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UPDATED MODELING ANALYSIS FOR THE TESLA POWER PLANT PROJECT

ALAMEDA COUNTY, CALIFORNIA

Prepared for
Midway Power, LLC

November 29, 2001

URS
500 12th Street, Suite 200
Oakland, California 94607

51-00167033.00

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INTRODUCTION

This updated modeling analysis is designed to supplement the analysis presented in the Tesla Power Plant (TPP) AFC. The modeling analysis was conducted using the methodology described in the AFC. The following updates are included in this analysis:

- Turbine shutdown emissions included in annual emission estimates;
- Emergency generator removed;
- Firewater pump engine emissions based on 26 hours of operation per year; and
- Three years (1997-1999) of Tracy meteorological data used in the analysis.

Electronic copies of all modeling analysis input and output files and meteorological data are included in CD format. Excerpts of the modeling output files are contained in the Appendix.

UPDATED EMISSION ESTIMATES

Facility emissions were updated to include the changes described above. Updated annual turbine operating conditions, including shutdown events are shown in Table 1. Turbine emissions during shutdown are shown in Table 2. Startup emissions were not updated and are the same as those reported in the AFC. Revised annual turbine emissions are shown in Table 3.

Table 1. Annual Operating Conditions per Generating Set (consisting of 2 CTG/HRSGs)

Number of Startups	45
Hot Starts	*27*
Warm Starts	*6*
Cold Starts	*12*
Number of Shutdowns	45
Startup/Shutdown Time (hrs)	141.0
Turbine Operation (hrs)	8,060
Duct Burner Operation (hrs)	5,260
Total CTG Operating Hours	8,201

Table 2. Shutdown Emission Rates per Generating Set (consisting of 2 CTG/HRSGs)

Pollutant	Lb./30 minute shutdown
NO_x	100
CO	350
VOC	34

Table 3. Annual Turbine/HRSG Emissions (all four turbines/HRSG)

Pollutant	Duct Burner Off (lbs)	Duct Burner On (lbs)	Startup/ Shutdown (lbs)	Annual Emissions (lbs/yr)	Annual Emissions (tpy)[a,b]
NO_x	143,461	309,133	46,913	499,507	249.75
CO	262,036	564,640	141,533	968,209	484.10
VOC	23,421	84,695	12,750	120,866	60.43
PM_{10}	109,643	264,731	5,521	379,896	189.95
SO_2	18,410	39,739	927	59,076	29.54

a Includes emissions from all four turbines/HRSGs.

b Emissions include 12 cold startups, 6 warm starts, 27 hot startups and 45 shutdowns, and 5,260 hours at 100% duct burner capacity with the balance of the time operating at 100% load at 62°F.

The emergency generator that was included in the TPP AFC has been removed. In addition, the firewater pump engine hours of operation have been revised to 26 hours per year, based on one-half hour of operation per week. Table 4 shows the updated firewater pump engine emissions. Total project annual emissions (including four turbines with duct firing, cooling tower and firewater pump engine) are shown in Table 5.

Table 4. Emissions for Firewater Pump Engine

Estimated BHP	368
Estimated kW	274
Hourly Emissions (lb/hr)	
NO_x	7.41
CO	1.75
POC	0.18
PM_{10}	0.13
SO_x	0.75
Annual Emissions (tpy)	
NO_x	0.0963
CO	0.0228
POC	0.0023
PM_{10}	0.0017
SO_x	0.0098

Table 5. Total Annual Emissions for TPP During Operation

Pollutant	Generator Set #1[c] (tpy)	Generator Set #2[c] (tpy)	Cooling Tower (tpy)	Fire Water Pump Engine (tpy)	Annual Emissions (tpy)[a,b]
NO_x	124.88	124.88	--	0.096	**249.85**
CO	242.05	242.05	--	0.023	**484.13**
POC	30.22	30.22	--	0.002	**60.44**
PM_{10}	94.97	94.97	6.10	0.002	**196.05**
SO_2	14.77	14.77	--	0.010	**29.55**

a Includes emissions from four turbines, cooling tower, and firewater pump engine.

b Emissions include 12 cold startups, 6 warm starts, 27 hot startups, and 45 shutdowns and 5,260 hours at 100% duct burner capacity with the balance of the time operating at 100% load at 62°F.

c Each generator set includes two CTG/HRSGs and associated duct burners

METEROLOGICAL DATA

In addition to the two years of meteorological data from Station 442 used in the AFC, three years of data from Tracy are being used in this additional analysis. An analysis of the Tracy and Station 442 meteorological data is included in the original AFC. The analysis shows similar wind patterns for Station 442, Tracy and other nearby meteorological stations. The Tracy and Station 442 data are considered representative of the conditions at the TPP site.

The Tracy meteorological data set used in the modeling analysis was generated using three years (1997-1999) of data from the Tracy monitoring station and concurrent sky cover and ceiling height data from the Stockton Airport NWS site. The Tracy meteorological data files are the same files used for the nearby East Altamont Energy Facility AFC. Windroses for the Tracy data are included in the AFC.

AIR QUALITY ANALYSIS RESULTS

Results of the additional air quality impacts analysis using Station 442 and Tracy meteorological data are included in the tables below. Table 6 contains a comparison of maximum predicted impacts from the Station 442 and Tracy data sets. The results indicate that no new violations of any AAQS are predicted. Construction parameters were unchanged from the AFC.

Table 6. TPP Project ISCST3 Modeling Results[a]

Pollutant	Averaging Period	Tracy Data Impact ($\mu g/m^3$)	Station 442 Data Impact ($\mu g/m^3$)	Background[b] ($\mu g/m^3$)	Total Predicted Concentration ($\mu g/m^3$)	AAQS ($\mu g/m^3$)	Location of Maximum Impact UTM Coordinates	
							East (m)	North (m)
Construction Impacts								
CO	1-hour	571	**571**	13,054	13,625	23,000	625,675	4,176,050
	8-hour	**307.8**	292.8	8,405	8,713	10,000	625,675	4,176,150
NO_2	1-hour[c]	**124.1**	124.1	199	323.1	470	626,675	4,176,050
	Annual[d]	15.9	**23.4**	45.2	68.6	100	626,250	4,176,150
PM_{10}	24-hour	**68.9**	42.46	150	218.9	50	625,927	4,176,120
	Annual	**11.33**	8.56	40.9	52.2	30	626,281	4,176,107
SO_2	1-hour	117.9	**117.9**	29.3	147	655	626,675	4,176,050
	3-hour	**81.0**	73.9	29.3	110	1,300	626,300	4,176,300
	24-hour	33.0	**47.2**	16	63.2	105	625,725	4,175,901
	Annual	2.09	**3.07**	8	11.1	80	626,250	4,176,150
Routine Plant Operation Impacts								
CO	1-hour	1,220	**1,714**	13,054	14,768	23,000	624,300	4,173,800
	8-hour	241.3	**249.0**	8,405	8,654	10,000	624,375	4,173,450
NO_2	1-hour[c]	**178.9**	170.4	199	378	470	626,469	4,175,945
	Annual[d]	**0.23**	0.19	45.2	45.4	100	619,475	4,175,500
PM_{10}	24-hour	**4.95**	4.86	150	155.0	50	621,950	4,176,050
	Annual	0.48	**0.84**	40.9	41.7	30	626,375	4,176,225
SO_2	1-hour	68.3	**68.4**	29.3	97.7	655	626,300	4,176,175
	3-hour	**13.1**	11.5	29.3	42.4	1,300	626,325	4,176,125
	24-hour	0.72	**0.72**	16	16.7	105	623,675	4,172,900
	Annual	**0.04**	0.04	8	8.0	80	619,475	4,179,250

a Bold results indicates maximum impacts.

b Background represents the maximum value measured at Tracy Patterson Pass Road, StocktonHazelton Street, and Modesto 14th Street, 1997-1999. SO_2 Data from Bakersfield, Chester Street and 5558 California Ave Stations, 1997 and 1999.

c Results used OLM to estimate NO_2 impacts

d Results used ARM with default ratio of 0.75.

e Results used first order decay to estimate NO_2 impacts.

Hourly CO and NO_2 impacts from commissioning were modeled using the methodology described in the AFC with Tracy meteorological data. Hourly CO and NO_2 impacts using the Tracy data were less than the facility impacts shown in Table 6. The values in Table 6

Cumulative impacts were estimated using the methodology in the AFC and the Tracy meteorological data. Results of the cumulative impacts assessment are shown in Table 7.

Table 7. Cumulative Impacts Analysis Results (Tracy Met Data)

Pollutant	Averaging Period	Maximum Modeled Impact ($\mu g/m^3$)	PSD Significant Impact Level[a] ($\mu g/m^3$)	Background[b] ($\mu g/m^3$)	Total Predicted Concentration ($\mu g/m^3$)	AAQS ($\mu g/m^3$)	UTM Coordinates	
							East (m)	North (m)
CO	1-hour	1,220.4	2,000	13,054	14,274	23,000	624,500	4,173,500
	8-hour	214.9	500	8,405	8,620	10,000	625,000	4,172,500
NO_2	1-hour	178.9[c]	NA	199	377.9	470	626,469	4,175,945
	Annual	0.28[d]	1	45.2	45.5	100	619,000	4,180,000
PM_{10}	24-hour	4.91	5	150	154.9	50	622,000	4,176,000
	Annual	0.58	1	40.9	41.5	30	626,625	4,176,225
SO_2	1-hour	68.3	NA	29.3	97.6	655	626,300	4,176,175
	3-hour	13.1	25	29.3	42.4	1,300	626,325	4,175,125
	24-hour	0.64	5	16	16.6	105	625,000	4,172,500
	Annual	0.043	1	8	8.0	80	619,000	4,180,000

a Source: 40 CFR 52.21

b Background represents the maximum value measured at Tracy Patterson Pass Road, StocktonHazelton Street, and Modesto 14th Street, 1997-1999. SO_2 Data from Bakersfield, Chester Street and 5558 California Ave Stations, 1997 and 1999.

c Results used OLM to estimate NO_2 impacts

d Results used ARM with default ratio of 0.75.

PUBLIC HEALTH IMPACTS

Public health impacts, including incremental cancer risk, chronic hazard index and acute hazard index were estimated using the methodology described in the AFC. The emergency generator was removed from the analysis and the Tracy meteorological data was used along with the Station 442 data. Copies of the ISCST3 and ACE2588 input and output files are included on the CD. Table 8 summarizes the results of the HRA using Station 442 and Tracy meteorological data.

Table 8. Estimated Cancer Risk and Acute and Chronic Total Hazard Indices (THIs)

Meteorological Data	Maximum Cancer Risk	Maximum Chronic THI	Maximum Acute THI
Station 442	3.75×10^{-6}	0.0191	0.0739
Tracy	2.26×10^{-6}	0.0135	0.0636
Significance Criteria	10×10^{-6}	1.0	1.0
Significance Determination	Insignificant	Insignificant	Insignificant

Construction Impacts Modeling Files

APPENDIX
Modeling File Excerpts

Project Operation Modeling Files

** ISCST3 - VERSION 00101 ***
** FPL Tesla ***
** Model Executed on 11/26/01 at 13:20:18 ***

[redacted]Line ISCST3 "BEEST" Version 8.10

[redacted]le - D:\Brent\Tesla\FineGridSupp\442MetFG_97_CO1.DTA
File - D:\Brent\Tesla\FineGridSupp\442MetFG_97_CO1.LST
[redacted]t File - D:\Brent\Tesla\442_97.ASC

Number of sources - 5
[redacted]mber of source groups - 3
Number of receptors - 1681

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.83538E+02	625968.8	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT2	0	0.83538E+02	626011.3	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT3	0	0.36061E+01	626095.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT4	0	0.36061E+01	626138.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
FWPUMP	0	0.11040E+00	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

ROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP ,
GT	GT1 , GT2 , GT3 , GT4 ,
[redacted]	FWPUMP ,

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

** CONC OF CO1 IN MICROGRAMS/M**3 **

ROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
LL	HIGH 1ST HIGH VALUE IS	1714.40649	ON 97101809: AT (	624300.00, 4173800.00, 277.20, 0.00)	DC
T	HIGH 1ST HIGH VALUE IS	1714.40649	ON 97101809: AT (	624300.00, 4173800.00, 277.20, 0.00)	DC
W	HIGH 1ST HIGH VALUE IS	3.51765	ON 97121213: AT (	625000.00, 4174000.00, 170.10, 0.00)	DC

[redacted]

*** ISCST3 - VERSION 00101 ***
*** FPL Tesla ***
*** Model Executed on 11/26/01 at 13:26:49 ***

BEE-Line ISCST3 "BEEST" Version 8.10

Input File - D:\Brent\Tesla\FineGridSupp\442MetFG_99_CO8.DTA
Output File - D:\Brent\Tesla\FineGridSupp\442MetFG_99_CO8.LST
Met File - D:\Brent\Tesla\442_99.ASC

Number of sources - 5
Number of source groups - 3
Number of receptors - 1681

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.20840E+02	625968.8	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT2	0	0.20840E+02	626011.3	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT3	0	0.20840E+02	626095.8	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT4	0	0.20840E+02	626138.3	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
FWPUMP	0	0.13860E-01	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP ,
GT	GT1 , GT2 , GT3 , GT4 ,
FW	FWPUMP ,

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

** CONC OF CO8 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
ALL	HIGH 1ST HIGH VALUE IS	248.99579	ON 99121516:	AT (624375.00, 4173450.00, 283.80, 0.00)	DC
GT	HIGH 1ST HIGH VALUE IS	248.92346	ON 99121516:	AT (624375.00, 4173450.00, 283.80, 0.00)	DC
FW	HIGH 1ST HIGH VALUE IS	0.09936	ON 99112816:	AT (623950.00, 4173500.00, 228.60, 0.00)	DC

```
** ISC3_OLM - VERSION 96113 ***    *** FPL Tesla                                                                ***
                                   *** Routine Operation                                                     ***         1
                                                                                                                          P
MODELOPTs: CONC                           RURAL  ELEV               GRDRIS

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Intermediate Terrain Processing is Selected

Model Is Setup For Calculation of Average CONCentration Values.

--  SCAVENGING/DEPOSITION LOGIC --
Model Uses NO DRY DEPLETION.  DDPLETE =  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 RURAL Dispersion.

Model Uses User-Specified Options:
        1. Gradual Plume Rise.
        2. Stack-tip Downwash.
        3. Buoyancy-induced Dispersion.
        4. 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 Assumes No FLAGPOLE Receptor Heights.
Model applies the Ozone Limiting Method        by source group.
Input ozone concentration file is in units     of PPB.

Model Calculates  1 Short Term Average(s) of:   1-HR
  and Calculates PERIOD Averages

This Run Includes:    5 Source(s);      3 Source Group(s); and   1200 Receptor(s)

The Model Assumes A Pollutant Type of:  NO2-OLM

Model Set To Continue RUNning After the Setup Testing.

Output Options Selected:
       Model Outputs Tables of PERIOD Averages by Receptor
       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. =   0.0000     ;    Rot. Angle =     0.0
               Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
               Output Units   = MICROGRAMS/M**3

Input Runstream File: T1h99NOa.dta                            ;  **Output Print File: T1h99NOa.io3
```

**MODELOPTs: CONC RURAL ELEV GRDRIS

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
GT1	0	0.18900E+02	625968.8	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT2	0	0.18900E+02	626011.4	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT3	0	0.19744E+01	626095.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT4	0	0.19744E+01	626138.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
FWPUMP	0	0.46683E+00	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	

MODELOPTs: CONC RURAL ELEV GRDRIS

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

** CONC OF NO2-OLM IN MICROGRAMS/M**3 **

OUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	N G
L	HIGH 1ST HIGH VALUE IS	178.85382	ON 99041722:	AT (626468.63, 4175945.50, 117.90, 0.00)	DC	
	HIGH 1ST HIGH VALUE IS	75.04361	ON 99060713:	AT (626675.00, 4176100.00, 146.50, 0.00)	DC	
	HIGH 1ST HIGH VALUE IS	178.85382	ON 99041722:	AT (626468.63, 4175945.50, 117.90, 0.00)	DC	

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

**MODELOPTs: CONC RURAL ELEV GRDRIS

*** Message Summary : ISC3_OLM Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 403 Informational Message(s)

A Total of 403 Calm Hours Identified

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

******** WARNING MESSAGES ********
SO W320 75 PPARM :Source Parameter May Be Out-of-Range for Parameter VS

****
*** ISC3_OLM Finishes Successfully ***
****

W HIGH 1ST HIGH VALUE IS 0.00124c ON 97011924: AT (622500.00, 4176375.00, 190.20, 0.00) DC

*** ISCST3 - VERSION 00101 ***
*** FPL Tesla ***
*** Model Executed on 11/14/01 at 18:19:44 ***

BEE-Line ISCST3 "BEEST" Version 8.10

Input File - D:\Brent\Tesla\442Met_99_PMANN.DTA
Output File - D:\Brent\Tesla\442Met_99_PMANN.LST
Met File - D:\Brent\Tesla\442_99.ASC

Number of sources - 27
Number of source groups - 4
Number of receptors - 2673

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.13658E+01	625968.8	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
GT2	0	0.13658E+01	626011.3	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
GT3	0	0.13658E+01	626095.8	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
GT4	0	0.13658E+01	626138.3	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
CT1	0	0.79758E-02	625945.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT2	0	0.79758E-02	625959.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT3	0	0.79758E-02	625973.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT4	0	0.79758E-02	625987.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT5	0	0.79758E-02	626001.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT6	0	0.79758E-02	626015.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT7	0	0.79758E-02	626029.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT8	0	0.79758E-02	626043.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT9	0	0.79758E-02	626057.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT10	0	0.79758E-02	626071.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT11	0	0.79758E-02	626085.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT12	0	0.79758E-02	626103.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT13	0	0.79758E-02	626117.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT14	0	0.79758E-02	626131.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT15	0	0.79758E-02	626145.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT16	0	0.79758E-02	626159.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT17	0	0.79758E-02	626173.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT18	0	0.79758E-02	626187.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT19	0	0.79758E-02	626201.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT20	0	0.79758E-02	626215.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT21	0	0.79758E-02	626229.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT22	0	0.79758E-02	626243.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
FWPUMP	0	0.48599E-04	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , CT1 , CT2 , CT3 , CT4 , CT5 , CT6 , CT7
	CT9 , CT10 , CT11 , CT12 , CT13 , CT14 , CT15 , CT16 , CT17 , CT18 , CT19
	CT21 , CT22 , FWPUMP ,
GT	GT1 , GT2 , GT3 , GT4 ,
CT	CT1 , CT2 , CT3 , CT4 , CT5 , CT6 , CT7 , CT8 , CT9 , CT10 , CT11
	CT13 , CT14 , CT15 , CT16 , CT17 , CT18 , CT19 , CT20 , CT21 , CT22 ,
FW	FWPUMP ,

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS 0.83659	AT (626375.00, 4176225.00, 129.20, 0.00)	DC	NA
	2ND HIGHEST VALUE IS 0.79235	AT (626350.00, 4176225.00, 127.50, 0.00)	DC	NA

** ISCST3 - VERSION 00101 ***
** FPL Tesla ***
** Model Executed on 11/26/01 at 13:14:11 ***

BEE-Line ISCST3 "BEEST" Version 8.10

[redacted]le - D:\Brent\Tesla\FineGridSupp\TracyMetFG_98_NOANN.DTA
utput File - D:\Brent\Tesla\FineGridSupp\TracyMetFG_98_NOANN.LST
Met File - D:\Brent\Tesla\tracy98.asc

Number of sources - 5
umber of source groups - 3
Number of receptors - 6561

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.17970E+01	625968.8	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
GT2	0	0.17970E+01	626011.3	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
GT3	0	0.17970E+01	626095.8	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
GT4	0	0.17970E+01	626138.3	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
FWPUMP	0	0.27700E-02	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

ROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP ,
GT	GT1 , GT2 , GT3 , GT4 ,
[redacted]	FWPUMP ,

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

ROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
LL	1ST HIGHEST VALUE IS	0.30828 AT (619475.00, 4179250.00, 289.60, 0.00)		DC	NA
	2ND HIGHEST VALUE IS	0.30642 AT (619525.00, 4179225.00, 277.90, 0.00)		DC	NA
	3RD HIGHEST VALUE IS	0.30605 AT (619500.00, 4179250.00, 283.00, 0.00)		DC	NA
	4TH HIGHEST VALUE IS	0.30598 AT (619475.00, 4179225.00, 290.90, 0.00)		DC	NA
	5TH HIGHEST VALUE IS	0.30566 AT (619475.00, 4179275.00, 286.00, 0.00)		DC	NA
	6TH HIGHEST VALUE IS	0.30514 AT (619750.00, 4179925.00, 266.80, 0.00)		DC	NA
	7TH HIGHEST VALUE IS	0.30466 AT (619500.00, 4179225.00, 284.80, 0.00)		DC	NA
	8TH HIGHEST VALUE IS	0.30454 AT (619450.00, 4179275.00, 292.40, 0.00)		DC	NA
	9TH HIGHEST VALUE IS	0.30439 AT (619450.00, 4179300.00, 287.30, 0.00)		DC	NA
	10TH HIGHEST VALUE IS	0.30349 AT (619425.00, 4179275.00, 297.40, 0.00)		DC	NA
T	1ST HIGHEST VALUE IS	0.30803 AT (619475.00, 4179250.00, 289.60, 0.00)		DC	NA
	2ND HIGHEST VALUE IS	0.30615 AT (619525.00, 4179225.00, 277.90, 0.00)		DC	NA
	3RD HIGHEST VALUE IS	0.30580 AT (619500.00, 4179250.00, 283.00, 0.00)		DC	NA
	4TH HIGHEST VALUE IS	0.30572 AT (619475.00, 4179225.00, 290.90, 0.00)		DC	NA
	5TH HIGHEST VALUE IS	0.30541 AT (619475.00, 4179275.00, 286.00, 0.00)		DC	NA
	6TH HIGHEST VALUE IS	0.30486 AT (619750.00, 4179925.00, 266.80, 0.00)		DC	NA
	7TH HIGHEST VALUE IS	0.30440 AT (619500.00, 4179225.00, 284.80, 0.00)		DC	NA
	8TH HIGHEST VALUE IS	0.30429 AT (619450.00, 4179275.00, 292.40, 0.00)		DC	NA
	9TH HIGHEST VALUE IS	0.30414 AT (619450.00, 4179300.00, 287.30, 0.00)		DC	NA
	10TH HIGHEST VALUE IS	0.30325 AT (619425.00, 4179275.00, 297.40, 0.00)		DC	NA
W	1ST HIGHEST VALUE IS	0.00055 AT (619700.00, 4180650.00, 144.20, 0.00)		DC	NA
	2ND HIGHEST VALUE IS	0.00055 AT (619725.00, 4180650.00, 144.20, 0.00)		DC	NA
	3RD HIGHEST VALUE IS	0.00054 AT (619700.00, 4180675.00, 144.00, 0.00)		DC	NA
	4TH HIGHEST VALUE IS	0.00054 AT (619725.00, 4180675.00, 143.40, 0.00)		DC	NA
[redacted]	5TH HIGHEST VALUE IS	0.00053 AT (619750.00, 4180750.00, 139.40, 0.00)		DC	NA
	6TH HIGHEST VALUE IS	0.00053 AT (619725.00, 4180700.00, 141.70, 0.00)		DC	NA
	7TH HIGHEST VALUE IS	0.00053 AT (619775.00, 4180750.00, 142.40, 0.00)		DC	NA
	8TH HIGHEST VALUE IS	0.00053 AT (619725.00, 4180775.00, 139.00, 0.00)		DC	NA
	9TH HIGHEST VALUE IS	0.00053 AT (619700.00, 4180700.00, 143.40, 0.00)		DC	NA
	10TH HIGHEST VALUE IS	0.00052 AT (619725.00, 4180725.00, 140.30, 0.00)		DC	NA

*** ISCST3 - VERSION 00101 ***
*** FPL Tesla ***
*** Model Executed on 11/26/01 at 16:03:39 ***

BEE-Line ISCST3 "BEEST" Version 8.10

Input File - D:\Brent\Tesla\FineGridSupp\TracyMetFG_97_PM24.DTA
Output File - D:\Brent\Tesla\FineGridSupp\TracyMetFG_97_PM24.LST
Met File - D:\Brent\Tesla\tracy97.asc

Number of sources - 27
Number of source groups - 4
Number of receptors - 1681

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.15930E+01	625968.8	4176031.0	118.9	60.96	358.71	16.81	5.79	YES	
GT2	0	0.15930E+01	626011.3	4176031.0	118.9	60.96	358.71	16.81	5.79	YES	
GT3	0	0.15930E+01	626095.8	4176031.0	118.9	60.96	358.71	16.81	5.79	YES	
GT4	0	0.15930E+01	626138.3	4176031.0	118.9	60.96	358.71	16.81	5.79	YES	
CT1	0	0.79758E-02	625945.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT2	0	0.79758E-02	625959.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT3	0	0.79758E-02	625973.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT4	0	0.79758E-02	625987.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT5	0	0.79758E-02	626001.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT6	0	0.79758E-02	626015.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT7	0	0.79758E-02	626029.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT8	0	0.79758E-02	626043.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT9	0	0.79758E-02	626057.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT10	0	0.79758E-02	626071.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT11	0	0.79758E-02	626085.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT12	0	0.79758E-02	626103.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT13	0	0.79758E-02	626117.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT14	0	0.79758E-02	626131.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT15	0	0.79758E-02	626145.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT16	0	0.79758E-02	626159.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT17	0	0.79758E-02	626173.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT18	0	0.79758E-02	626187.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT19	0	0.79758E-02	626201.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT20	0	0.79758E-02	626215.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT21	0	0.79758E-02	626229.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT22	0	0.79758E-02	626243.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
FWPUMP	0	0.34120E-03	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , CT1 , CT2 , CT3 , CT4 , CT5 , CT6 , CT7
	CT9 , CT10 , CT11 , CT12 , CT13 , CT14 , CT15 , CT16 , CT17 , CT18 , CT19
	CT21 , CT22 , FWPUMP ,
GT	GT1 , GT2 , GT3 , GT4 ,
CT	CT1 , CT2 , CT3 , CT4 , CT5 , CT6 , CT7 , CT8 , CT9 , CT10 , CT11
	CT13 , CT14 , CT15 , CT16 , CT17 , CT18 , CT19 , CT20 , CT21 , CT22 ,
FW	FWPUMP ,

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

** CONC OF PM24 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF T
ALL	HIGH 1ST HIGH VALUE IS	4.95036c	ON 97011924: AT (621950.00, 4176050.00, 253.70, 0.00)	DC
GT	HIGH 1ST HIGH VALUE IS	4.67429c	ON 97011924: AT (622075.00, 4175675.00, 258.70, 0.00)	DC
CT	HIGH 1ST HIGH VALUE IS	0.40851c	ON 97011924: AT (622375.00, 4176425.00, 221.40, 0.00)	DC

	3RD HIGHEST VALUE IS	0.78710 AT (	626300.00,	4176300.00,	140.30,	0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.76954 AT (	626350.00,	4176200.00,	126.10,	0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.76201 AT (	626375.00,	4176200.00,	128.40,	0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.74506 AT (	626300.00,	4176275.00,	133.50,	0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.73946 AT (	626325.00,	4176225.00,	126.20,	0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.72175 AT (	626325.00,	4176200.00,	124.20,	0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.71547 AT (	626375.00,	4176250.00,	128.30,	0.00)	DC	NA
	0TH HIGHEST VALUE IS	0.71338 AT (	626275.00,	4176300.00,	139.60,	0.00)	DC	NA
T	1ST HIGHEST VALUE IS	0.17681 AT (	621500.00,	4175500.00,	273.60,	0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.17459 AT (	621500.00,	4175000.00,	289.60,	0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.17156 AT (	621000.00,	4175500.00,	337.10,	0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.17085 AT (	621000.00,	4176000.00,	312.40,	0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.15261 AT (	621500.00,	4174500.00,	294.00,	0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.14633 AT (	621000.00,	4175000.00,	373.00,	0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.14486 AT (	620500.00,	4175000.00,	314.90,	0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.14268 AT (	623500.00,	4173000.00,	291.90,	0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.14126 AT (	622500.00,	4174000.00,	287.10,	0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.13894 AT (	624500.00,	4173500.00,	261.00,	0.00)	DC	NA
T	1ST HIGHEST VALUE IS	0.83210 AT (	626375.00,	4176225.00,	129.20,	0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.78906 AT (	626350.00,	4176225.00,	127.50,	0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.77172 AT (	626300.00,	4176300.00,	140.30,	0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.76710 AT (	626350.00,	4176200.00,	126.10,	0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.75860 AT (	626375.00,	4176200.00,	128.40,	0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.73927 AT (	626300.00,	4176275.00,	133.50,	0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.73696 AT (	626325.00,	4176225.00,	126.20,	0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.71992 AT (	626325.00,	4176200.00,	124.20,	0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.71051 AT (	626375.00,	4176250.00,	128.30,	0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.70968 AT (	626300.00,	4176250.00,	128.70,	0.00)	DC	NA

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

ROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
W 1ST HIGHEST VALUE IS	0.00159 AT (	626375.00,	4176025.00,	114.80,	0.00)	DC	NA
2ND HIGHEST VALUE IS	0.00159 AT (	626362.88,	4176034.50,	114.80,	0.00)	DC	NA
3RD HIGHEST VALUE IS	0.00156 AT (	626380.50,	4176019.50,	115.10,	0.00)	DC	NA
4TH HIGHEST VALUE IS	0.00138 AT (	626375.00,	4176050.00,	114.60,	0.00)	DC	NA
5TH HIGHEST VALUE IS	0.00132 AT (	626400.00,	4176050.00,	114.20,	0.00)	DC	NA
6TH HIGHEST VALUE IS	0.00129 AT (	626400.00,	4176025.00,	113.10,	0.00)	DC	NA
7TH HIGHEST VALUE IS	0.00125 AT (	626475.00,	4176100.00,	122.70,	0.00)	DC	NA
8TH HIGHEST VALUE IS	0.00124 AT (	626398.13,	4176004.75,	114.80,	0.00)	DC	NA
9TH HIGHEST VALUE IS	0.00124 AT (	626350.00,	4176050.00,	115.20,	0.00)	DC	NA
10TH HIGHEST VALUE IS	0.00122 AT (	626345.31,	4176049.25,	115.40,	0.00)	DC	NA

*** ISCST3 - VERSION 00101 ***
*** FPL Tesla ***
*** Model Executed on 11/15/01 at 13:02:33 ***

BEE-Line ISCST3 "BEEST" Version 8.10

Input File - D:\Brent\Tesla\442Met_97_SO1.DTA
Output File - D:\Brent\Tesla\442Met_97_SO1.LST
Met File - D:\Brent\Tesla\442_97.ASC

Number of sources - 5
Number of source groups - 1
Number of receptors - 2673

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.25330E+00	625968.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT2	0	0.25330E+00	626011.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT3	0	0.25330E+00	626095.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT4	0	0.25330E+00	626138.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
FWPUMP	0	0.47250E-01	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP ,

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

** CONC OF SO1 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
ALL	HIGH 1ST HIGH VALUE IS 68.41311	ON 97021507:	AT (626300.00, 4176175.00, 121.60, 0.00)	DC

** ISCST3 - VERSION 00101 ***
** FPL Tesla ***
** Model Executed on 11/15/01 at 12:34:40 ***

BEE-Line ISCST3 "BEEST" Version 8.10

[redacted]le - D:\Brent\Tesla\TracyMet_99_SO3.DTA
[redacted]le - D:\Brent\Tesla\TracyMet_99_SO3.LST
Met File - D:\Brent\Tesla\tracy99.asc

Number of sources - 5
umber of source groups - 1
Number of receptors - 2673

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.25330E+00	625968.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT2	0	0.25330E+00	626011.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT3	0	0.25330E+00	626095.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT4	0	0.25330E+00	626138.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
FWPUMP	0	0.15750E-01	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

ROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP ,

*** THE SUMMARY OF HIGHEST 3-HR RESULTS ***

[redacted]

** CONC OF SO3 IN MICROGRAMS/M**3 **

ROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
LL HIGH 1ST HIGH VALUE IS	13.07943	ON 99091106:	AT (626325.00, 4176125.00, 118.40, 0.00)	DC

[redacted]

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*** ISCST3 - VERSION 00101 ***
*** FPL Tesla                                                    ***
*** Model Executed on 11/26/01 at 13:47:28 ***

 BEE-Line ISCST3 "BEEST" Version 8.10

 Input File - D:\Brent\Tesla\FineGridSupp\442MetFG_99_SO24.DTA
Output File - D:\Brent\Tesla\FineGridSupp\442MetFG_99_SO24.LST
   Met File - D:\Brent\Tesla\442_99.ASC

      Number of sources -          5
Number of source groups -          3
    Number of receptors -       1681
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.25330E+00	625968.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT2	0	0.25330E+00	626011.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT3	0	0.25330E+00	626095.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT4	0	0.25330E+00	626138.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
FWPUMP	0	0.19660E-02	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP ,
GT	GT1 , GT2 , GT3 , GT4 ,
FW	FWPUMP ,

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

** CONC OF SO24 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
ALL	HIGH 1ST HIGH VALUE IS	0.72215c	ON 99121524:	AT (623675.00, 4172900.00, 304.80, 0.00)	DC
GT	HIGH 1ST HIGH VALUE IS	0.71948c	ON 99121524:	AT (623675.00, 4172900.00, 304.80, 0.00)	DC
FW	HIGH 1ST HIGH VALUE IS	0.00548c	ON 99112824:	AT (623950.00, 4173500.00, 228.60, 0.00)	DC

** ISCST3 - VERSION 00101 ***
** FPL Tesla ***
** Model Executed on 11/26/01 at 13:51:50 ***

BEE-Line ISCST3 "BEEST" Version 8.10

[redacted]le - D:\Brent\Tesla\FineGridSupp\TracyMetFG_98_SOANN.DTA
utput File - D:\Brent\Tesla\FineGridSupp\TracyMetFG_98_SOANN.LST
Met File - D:\Brent\Tesla\tracy98.asc

Number of sources - 5
umber of source groups - 3
Number of receptors - 6561

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.25330E+00	625968.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT2	0	0.25330E+00	626011.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT3	0	0.25330E+00	626095.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT4	0	0.25330E+00	626138.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
FWPUMP	0	0.28200E-03	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

ROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP ,
GT	GT1 , GT2 , GT3 , GT4 ,
[redacted]	FWPUMP ,

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

ROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
LL	1ST HIGHEST VALUE IS	0.04275 AT (619475.00, 4179250.00, 289.60, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.04247 AT (619475.00, 4179225.00, 290.90, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.04229 AT (619450.00, 4179275.00, 292.40, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.04225 AT (619500.00, 4179250.00, 283.00, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.04224 AT (619475.00, 4179275.00, 286.00, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.04224 AT (619425.00, 4179275.00, 297.40, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.04215 AT (619525.00, 4179225.00, 277.90, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.04209 AT (619450.00, 4179300.00, 287.30, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.04208 AT (619500.00, 4179225.00, 284.80, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.04205 AT (619425.00, 4179300.00, 293.40, 0.00)	DC	NA
[redacted]	1ST HIGHEST VALUE IS	0.04272 AT (619475.00, 4179250.00, 289.60, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.04245 AT (619475.00, 4179225.00, 290.90, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.04227 AT (619450.00, 4179275.00, 292.40, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.04222 AT (619500.00, 4179250.00, 283.00, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.04221 AT (619475.00, 4179275.00, 286.00, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.04221 AT (619425.00, 4179275.00, 297.40, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.04212 AT (619525.00, 4179225.00, 277.90, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.04206 AT (619450.00, 4179300.00, 287.30, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.04205 AT (619500.00, 4179225.00, 284.80, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.04203 AT (619425.00, 4179300.00, 293.40, 0.00)	DC	NA
[redacted]	1ST HIGHEST VALUE IS	0.00006 AT (619700.00, 4180650.00, 144.20, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.00006 AT (619725.00, 4180650.00, 144.20, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.00006 AT (619700.00, 4180675.00, 144.00, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.00006 AT (619725.00, 4180675.00, 143.40, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.00005 AT (619750.00, 4180750.00, 139.40, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.00005 AT (619725.00, 4180700.00, 141.70, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.00005 AT (619775.00, 4180750.00, 142.40, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.00005 AT (619725.00, 4180775.00, 139.00, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.00005 AT (619700.00, 4180700.00, 143.40, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.00005 AT (619725.00, 4180725.00, 140.30, 0.00)	DC	NA

```
**BEE-Line Software: BEEST for Windows data input file
**                   Date: 8/15/01  Time: 11:35:03 AM
NO ECHO


 *** 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   ********
SO W320    75 PPARM :Source Parameter May Be Out-of-Range for Parameter      VS

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

```
* ISCST3 - VERSION 00101 ***
* FPL Tesla                                                          ***
* Model Executed on 11/27/01 at 16:25:23 ***

EE-Line ISCST3 "BEEST" Version 8.10

[redacted]ile - D:\Brent\Tesla\Construction\TracyMet\TracyConstr_99_CO.DTA
tput File - D:\Brent\Tesla\Construction\TracyMet\TracyConstr_99_CO.LST
 Met File - D:\Brent\Tesla\tracy99.asc

    Number of sources -          3
mber of source groups -          1
  Number of receptors -       2673
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
EQ1	0	0.93618E+00	626093.3	4176026.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ2	0	0.93618E+00	625900.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ3	0	0.93618E+00	626275.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

OUP ID	SOURCE IDs
LL	EQ1 , EQ2 , EQ3 ,

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

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

[redacted]D		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
L	HIGH 1ST HIGH VALUE IS	571.42108	ON 99122708:	AT (626675.00, 4176050.00, 144.60, 0.00)	DC

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

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

OUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
L	HIGH 1ST HIGH VALUE IS	307.80432	ON 97121708:	AT (625675.00, 4176150.00, 142.40, 0.00)	DC

[redacted]

*** ISCST3 - VERSION 00101 ***
*** FPL Tesla ***
*** Model Executed on 11/27/01 at 16:17:06 ***

BEE-Line ISCST3 "BEEST" Version 8.10

Input File - D:\Brent\Tesla\Construction\TracyMet\TracyConstr_97_NOANN.DTA
Output File - D:\Brent\Tesla\Construction\TracyMet\TracyConstr_97_NOANN.LST
Met File - D:\Brent\Tesla\tracy97.asc

Number of sources - 3
Number of source groups - 1
Number of receptors - 2673

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
EQ1	0	0.51156E+00	626093.3	4176026.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ2	0	0.51156E+00	625900.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ3	0	0.51156E+00	626275.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	EQ1 , EQ2 , EQ3 ,

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS 21.19511	AT (626490.13, 4175918.50, 120.40, 0.00)	DC	NA
	2ND HIGHEST VALUE IS 19.21288	AT (626479.38, 4175932.00, 118.30, 0.00)	DC	NA
	3RD HIGHEST VALUE IS 18.89551	AT (626575.00, 4175950.00, 122.00, 0.00)	DC	NA
	4TH HIGHEST VALUE IS 17.79058	AT (626500.88, 4175905.25, 120.60, 0.00)	DC	NA
	5TH HIGHEST VALUE IS 16.83025	AT (626575.00, 4175975.00, 126.20, 0.00)	DC	NA
	6TH HIGHEST VALUE IS 16.79028	AT (626600.00, 4175950.00, 126.20, 0.00)	DC	NA
	7TH HIGHEST VALUE IS 16.68019	AT (626575.00, 4176050.00, 139.80, 0.00)	DC	NA
	8TH HIGHEST VALUE IS 16.62314	AT (626625.00, 4176025.00, 141.10, 0.00)	DC	NA
	9TH HIGHEST VALUE IS 16.59509	AT (626600.00, 4176000.00, 135.10, 0.00)	DC	NA
	10TH HIGHEST VALUE IS 16.46865	AT (626468.63, 4175945.50, 117.90, 0.00)	DC	NA

** ISCST3 - VERSION 00101 ***
** FPL Tesla ***
** Model Executed on 11/27/01 at 16:39:39 ***

BEE-Line ISCST3 "BEEST" Version 8.10

[redacted]File - D:\Brent\Tesla\Construction\TracyMet\TracyConstr_98_PM24.DTA
Output File - D:\Brent\Tesla\Construction\TracyMet\TracyConstr_98_PM24.LST
Met File - D:\Brent\Tesla\tracy98.asc

Number of sources - 4
Number of source groups - 1
Number of receptors - 2673

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
EQ1	0	0.31500E-01	626093.3	4176026.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ2	0	0.31500E-01	625900.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ3	0	0.31500E-01	626275.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
DUST	0	0.19917E-05	625825.0	4175820.0	118.9	1.50	8	0.00	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
[redacted]	DUST , EQ1 , EQ2 , EQ3 ,

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

** CONC OF PM24 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
ALL	HIGH 1ST HIGH VALUE IS	68.88816	ON 98011424:	AT (625927.19, 4176119.50, 120.90, 0.00)	DC

[redacted]

```
*** ISCST3 - VERSION 00101 ***
*** FPL Tesla                                                    ***
*** Model Executed on 11/27/01 at 16:07:29 ***

 BEE-Line ISCST3 "BEEST" Version 8.10

  Input File - D:\Brent\Tesla\Construction\TracyMet\TracyConstr_99_PMANN.DTA
Output File - D:\Brent\Tesla\Construction\TracyMet\TracyConstr_99_PMANN.LST
   Met File - D:\Brent\Tesla\tracy99.asc

      Number of sources -          4
Number of source groups -          1
    Number of receptors -       2673
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
EQ1	0	0.17174E-01	626093.3	4176026.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ2	0	0.17174E-01	625900.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ3	0	0.17174E-01	626275.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
DUST	0	0.14143E-05	625825.0	4175820.0	118.9	1.50	8	0.00	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	DUST , EQ1 , EQ2 , EQ3 ,

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	11.32859 AT	(626280.69,	4176107.50,	116.90,	0.00)	DC	NA
	2ND HIGHEST VALUE IS	11.10365 AT	(626292.38,	4176093.75,	116.80,	0.00)	DC	NA
	3RD HIGHEST VALUE IS	10.80085 AT	(626269.00,	4176121.50,	116.90,	0.00)	DC	NA
	4TH HIGHEST VALUE IS	10.37494 AT	(626300.00,	4176100.00,	117.30,	0.00)	DC	NA
	5TH HIGHEST VALUE IS	10.25943 AT	(626310.00,	4176079.00,	117.00,	0.00)	DC	NA
	6TH HIGHEST VALUE IS	10.15990 AT	(626275.00,	4176125.00,	117.40,	0.00)	DC	NA
	7TH HIGHEST VALUE IS	9.41870 AT	(626263.81,	4176133.00,	117.50,	0.00)	DC	NA
	8TH HIGHEST VALUE IS	9.37643 AT	(626325.00,	4176075.00,	116.30,	0.00)	DC	NA
	9TH HIGHEST VALUE IS	9.34849 AT	(626327.69,	4176064.00,	115.80,	0.00)	DC	NA
	10TH HIGHEST VALUE IS	9.13226 AT	(626300.00,	4176125.00,	118.40,	0.00)	DC	NA

```
** ISCST3 - VERSION 00101 ***
** FPL Tesla                                                    ***
** Model Executed on 11/27/01 at 16:27:39 ***

BEE-Line ISCST3 "BEEST" Version 8.10

[redacted]File - D:\Brent\Tesla\Construction\TracyMet\TracyConstr_98_SO2.DTA
utput File - D:\Brent\Tesla\Construction\TracyMet\TracyConstr_98_SO2.LST
  Met File - D:\Brent\Tesla\tracy98.asc

     Number of sources -          3
umber of source groups -          1
   Number of receptors -       2673
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
EQ1	0	0.19316E+00	626093.3	4176026.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ2	0	0.19316E+00	625900.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ3	0	0.19316E+00	626275.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

ROUP ID	SOURCE IDs
ALL	EQ1 , EQ2 , EQ3 ,

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

** CONC OF SO2 IN MICROGRAMS/M**3 **

[redacted]D	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
LL HIGH 1ST HIGH VALUE IS	117.87433	ON 98103107:	AT (626675.00, 4176050.00, 144.60, 0.00)	DC

*** THE SUMMARY OF HIGHEST 3-HR RESULTS ***

** CONC OF SO2 IN MICROGRAMS/M**3 **

ROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
LL HIGH 1ST HIGH VALUE IS	81.01842	ON 99010403:	AT (626300.00, 4176300.00, 140.30, 0.00)	DC

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

** CONC OF SO2 IN MICROGRAMS/M**3 **

ROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
LL HIGH 1ST HIGH VALUE IS	32.98062c	ON 98111024:	AT (625675.00, 4176025.00, 138.50, 0.00)	DC

[redacted]

```
*** ISCST3 - VERSION 00101 ***
*** FPL Tesla                                                                     ***
*** Model Executed on 11/27/01 at 16:20:07 ***


 BEE-Line ISCST3 "BEEST" Version 8.10

 Input File - D:\Brent\Tesla\Construction\TracyMet\TracyConstr_97_SO2ANN.DTA
Output File - D:\Brent\Tesla\Construction\TracyMet\TracyConstr_97_SO2ANN.LST
   Met File - D:\Brent\Tesla\tracy97.asc

      Number of sources -          3
Number of source groups -          1
    Number of receptors -       2673
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
EQ1	0	0.50400E-01	626093.3	4176026.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ2	0	0.50400E-01	625900.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ3	0	0.50400E-01	626275.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	EQ1 , EQ2 , EQ3 ,

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

** CONC OF SO2ANN IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	2.08819	AT (626490.13, 4175918.50, 120.40, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	1.89290	AT (626479.38, 4175932.00, 118.30, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	1.86163	AT (626575.00, 4175950.00, 122.00, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	1.75277	AT (626500.88, 4175905.25, 120.60, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	1.65815	AT (626575.00, 4175975.00, 126.20, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	1.65420	AT (626600.00, 4175950.00, 126.20, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	1.64337	AT (626575.00, 4176050.00, 139.80, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	1.63776	AT (626625.00, 4176025.00, 141.10, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	1.63499	AT (626600.00, 4176000.00, 135.10, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	1.62253	AT (626468.63, 4175945.50, 117.90, 0.00)	DC	NA

Construction 1-Hour NO_2 1st Order Decay

FIRST ORDER DECAY METHODOLOGY

Ambient NO_2 impacts from construction activities were remodeled using a methodology that accounts for the reaction time required for NO to be converted to NO_2 in the atmosphere. Results of the updated modeling indicate a maximum hourly NO_2 impact of 124 $\mu g/m^3$. When added to the background of 199 $\mu g/m^3$, the total impact is 323 $\mu g/m^3$, which is below the AAQS of 470 $\mu g/m^3$. No violation is predicted. The methodology used to estimate the NO_2 concentrations is described below. Excerpts of the construction ISCST3 modeling files are attached.

NO_2 impacts were estimated based on the assumption that the actual NO_2 emission rates are 10% of the total NO_x emitted. The NO_2/NO_x ratio of 10% is a conservative assumption for the actual ratio of NO_2 to total NO_x emissions for internal combustion engines (Flagan, 1988). In addition, it was assumed that the NO emitted from the construction activities would not have sufficient time to be converted to NO_2 near the facility boundaries where the maximum impacts occur. Transport times to the areas of maximum construction impacts are on the order of 5 to 6 minutes, while the half-life of NO in the atmosphere is estimated to be 5 days (Williamson, 1973). Assuming a first-order exponential decay, the portion of the directly emitted NO that converts from NO to NO_2 in 5 minutes can be estimated as follows:

Conversion equation: $NO/NO_o = \exp(-kt)$
NO/NO_o = ratio of NO remaining to original NO concentration, NO_o
k, rate constant = 9.63×10^{-5} min^{-1}
t, reaction time = 5 minutes
$NO/NO_o = \exp(-9.63 \times 10^{-5}\ min^{-1} * 5\ minutes) = 0.9995$
Amount of NO converted to NO_2 = 1 - NO/NO_o = 1 – 0.9995 = 0.0005

Impacts from the initial modeling results were multiplied by 0.1 to account for the NO_2 fraction (10%) that is directly emitted. The fraction of the directly emitted NO (90%) that is estimated to convert to NO_2 in the short travel time (5 min) to the point of maximum impact was then multiplied by the conversion fraction estimated above and added to the directly emitted NO_2 contribution. The table below shows the NO2 concentration at different distances from the construction area.

Receptor Location		ISCST3 NO_x	Distance from	Transit	NO_2/NO	Adjusted NO_2
UTM X	UTM Y	Conc. ($\mu g/m^3$)	Source (m)	Time (min.)	Ratio	Conc. ($\mu g/m^3$)
626,675	4,176,050	1230.5	585	9.76	9.39E-04	124.09
625,300	4,175,800	860.3	812	13.54	1.30E-03	87.04
625,100	4,175,800	660.6	1,010	16.83	1.62E-03	67.03
624,600	4,176,000	460.9	1,501	25.02	2.41E-03	47.09
627,600	4,175,400	206.9	1,594	26.57	2.56E-03	21.17

* ISCST3 - VERSION 00101 *** *** FPL Tesla ***

EE-Line ISCST3 "BEEST" Version 7.10

put File - E:\FPLEnergy\TESLA\Construction\UpdatedNO2\TRAC99NO.DTA
t File - E:\FPLEnergy\TESLA\Construction\UpdatedNO2\TRAC99NO.LST
t File - E:\FPLEnergy\TESLA\MetData\tracy99.asc

Number of sources - 3
mber of source groups - 1
Number of receptors - 2673

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
EQ1	0	0.20160E+01	626093.3	4176026.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ2	0	0.20160E+01	625900.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	
EQ3	0	0.20160E+01	626275.0	4175870.0	118.9	3.00	622.00	70.00	0.15	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

OUP ID	SOURCE IDs
LL	EQ1 , EQ2 , EQ3 ,

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

** CONC OF NO21H IN MICROGRAMS/M**3 **

R ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
	HIGH 1ST HIGH VALUE IS	1230.51648	ON 99122708:	AT (626675.00, 4176050.00, 144.60, 0.00)	DC

Commissioning Modeling Files

ISCST3 - VERSION 00101 ***
FPL Tesla ***
Model Executed on 11/27/01 at 15:34:10 ***

E-Line ISCST3 "BEEST" Version 8.10

t File - D:\Brent\Tesla\Commissioning\TracyMet\TracyComm_98_CO1.DTA
put File - D:\Brent\Tesla\Commissioning\TracyMet\TracyComm_98_CO1.LST
Met File - D:\Brent\Tesla\tracy98.asc

Number of sources - 4
ber of source groups - 2
Number of receptors - 2673

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.12020E+02	625968.8	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT2	0	0.12020E+02	626011.3	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT3	0	0.12020E+02	626095.8	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT4	0	0.12020E+02	626138.3	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

OUP ID	SOURCE IDs
LL	GT1 , GT2 , GT3 , GT4 ,
'	GT1 , GT2 , GT3 , GT4 ,

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

** CONC OF CO1 IN MICROGRAMS/M**3 **

OUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
,	HIGH 1ST HIGH VALUE IS	336.83850	ON 98081306:	AT (624500.00, 4173500.00, 261.00, 0.00)	DC
	HIGH 1ST HIGH VALUE IS	336.83850	ON 98081306:	AT (624500.00, 4173500.00, 261.00, 0.00)	DC

```
**BEE-Line Software: BEEST for Windows data input file
**                   Date: 8/15/01  Time: 11:35:01 AM
NO ECHO

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

ODELOPTs: CONC RURAL ELEV GRDRIS

*** MODEL SETUP OPTIONS SUMMARY ***

ntermediate Terrain Processing is Selected

odel Is Setup For Calculation of Average CONCentration Values.

- SCAVENGING/DEPOSITION LOGIC --
odel Uses NO DRY DEPLETION. DDPLETE = F
odel Uses NO WET DEPLETION. WDPLETE = F
O WET SCAVENGING Data Provided.
odel Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

odel Uses RURAL Dispersion.

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

odel Accepts Receptors on ELEV Terrain.

odel Assumes No FLAGPOLE Receptor Heights.
odel applies the Ozone Limiting Method by source group.
nput ozone concentration file is in units of PPB.

odel Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

his Run Includes: 4 Source(s); 1 Source Group(s); and 1200 Receptor(s)

he Model Assumes A Pollutant Type of: NO2-OLM

odel Set To Continue RUNning After the Setup Testing.

put Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

OTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

isc. Inputs: Anem. Hgt. (m) = 10.00 ; Decay Coef. = 0.0000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

nput Runstream File: T97NOb.dta ; **Output Print File: T97NOb.io3

**MODELOPTs: CONC RURAL ELEV GRDRIS

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
GT1	0	0.19593E+02	625968.8	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT2	0	0.19593E+02	626011.4	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT3	0	0.19593E+02	626095.8	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT4	0	0.19593E+02	626138.3	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	

ODELOPTs: CONC RURAL ELEV GRDRIS

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

** CONC OF NO2-OLM IN MICROGRAMS/M**3 **

UP	ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	N G
HIGH	1ST HIGH VALUE IS	159.62077	ON 97092318:	AT (627500.00, 4171500.00, 265.70, 0.00)	DC	

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

Cumulative Impacts Modeling Files

```
** ISCST3 - VERSION 00101 ***
** FPL Tesla                                                    ***
** Model Executed on 11/27/01 at 18:08:17 ***

BEE-Line ISCST3 "BEEST" Version 8.10

    : File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_98_CO1.DTA
utput File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_98_CO1.LST
  Met File - D:\Brent\Tesla\tracy98.asc

    Number of sources -          8
umber of source groups -          4
   Number of receptors -       2673
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.83540E+02	625968.8	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT2	0	0.83540E+02	626011.3	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT3	0	0.36060E+01	626095.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT4	0	0.36060E+01	626138.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
FWPUMP	0	0.11040E+00	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	
UNKGT	0	0.12708E+02	633100.0	4174603.0	54.0	30.48	727.59	36.58	5.18	NO	
EALTGT	0	0.26347E+02	625550.0	4184800.0	15.0	53.34	334.26	16.86	5.64	NO	
EALTBLR	0	0.63000E+00	625550.0	4184800.0	15.0	30.48	435.93	5.22	2.16	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

ROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP , UNKGT , EALTGT , EALTBLR ,
TESLA	GT1 , GT2 , GT3 , GT4 , FWPUMP ,
UNKNOWN	UNKGT ,
EASTALTM	EALTGT , EALTBLR ,

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

** CONC OF CO1 IN MICROGRAMS/M**3 **

ROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
LL	HIGH 1ST HIGH VALUE IS	1220.40149	ON 98081306:	AT (624500.00, 4173500.00, 261.00, 0.00)	DC
ESLA	HIGH 1ST HIGH VALUE IS	1220.40149	ON 98081306:	AT (624500.00, 4173500.00, 261.00, 0.00)	DC
NKNOWN	HIGH 1ST HIGH VALUE IS	49.47533	ON 98040104:	AT (631500.00, 4171500.00, 270.70, 0.00)	DC
ASTALTM	HIGH 1ST HIGH VALUE IS	85.57453	ON 98090502:	AT (621000.00, 4181000.00, 168.20, 0.00)	DC

```
*** ISCST3 - VERSION 00101 ***
*** FPL Tesla                                                    ***
*** Model Executed on 11/27/01 at 18:20:37 ***


 BEE-Line ISCST3 "BEEST" Version 8.10

 Input File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_99_CO8.DTA
Output File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_99_CO8.LST
   Met File - D:\Brent\Tesla\tracy99.asc

     Number of sources -          8
Number of source groups -          4
    Number of receptors -       2673
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.20840E+02	625968.8	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT2	0	0.20840E+02	626011.3	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT3	0	0.20840E+02	626095.8	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
GT4	0	0.20840E+02	626138.3	4176031.0	118.9	60.96	350.37	10.56	5.79	YES	
FWPUMP	0	0.13860E-01	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	
UNKGT	0	0.12708E+02	633100.0	4174603.0	54.0	30.48	727.59	36.58	5.18	NO	
EALTGT	0	0.26347E+02	625550.0	4184800.0	15.0	53.34	334.26	16.86	5.64	NO	
EALTBLR	0	0.63000E+00	625550.0	4184800.0	15.0	30.48	435.93	5.22	2.16	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP , UNKGT , EALTGT , EALTBLR ,
TESLA	GT1 , GT2 , GT3 , GT4 , FWPUMP ,
UNKNOWN	UNKGT ,
EASTALTM	EALTGT , EALTBLR ,

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

** CONC OF CO8 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
ALL HIGH 1ST HIGH VALUE IS	214.89384c	ON 99112724:	AT (625000.00, 4172500.00, 254.50, 0.00)	DC
TESLA HIGH 1ST HIGH VALUE IS	208.99776c	ON 99112724:	AT (625000.00, 4172500.00, 254.50, 0.00)	DC
UNKNOWN HIGH 1ST HIGH VALUE IS	28.10127c	ON 99112724:	AT (632000.00, 4171000.00, 268.40, 0.00)	DC
EASTALTM HIGH 1ST HIGH VALUE IS	37.06069c	ON 99112724:	AT (624000.00, 4179000.00, 139.90, 0.00)	DC

```
BEE-Line Software: BEEST for Windows data input file
                   Date: 8/15/01  Time: 11:35:01 AM
) ECHO

    essage Summary For ISC3 Model Setup ***

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

Total of             0 Fatal Error Message(s)
Total of             1 Warning Message(s)
Total of             0 Informational Message(s)


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


 ********   WARNING MESSAGES   ********
) W320     75 PPARM :Source Parameter May Be Out-of-Range for Parameter      VS

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

**MODELOPTs: CONC RURAL ELEV GRDRIS

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

**Model Is Setup For Calculation of Average CONCentration Values.

-- SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION. DDPLETE = 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 RURAL Dispersion.

**Model Uses User-Specified Options:
1. Gradual Plume Rise.
2. Stack-tip Downwash.
3. Buoyancy-induced Dispersion.
4. 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 Assumes No FLAGPOLE Receptor Heights.
**Model applies the Ozone Limiting Method by source group.
**Input ozone concentration file is in units of PPB.

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 8 Source(s); 4 Source Group(s); and 1200 Receptor(s)

**The Model Assumes A Pollutant Type of: NO2-OLM

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
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. = 0.0000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Input Runstream File: T99NOa.dta ; **Output Print File: T99NOa.io3

MODELOPTs: CONC RURAL ELEV GRDRIS

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
GT1	0	0.18900E+02	625968.8	4176031.0	118.9	60.96	358.71	16.81	5.79	YES	
GT2	0	0.18900E+02	626011.4	4176031.0	118.9	60.96	358.71	16.81	5.79	YES	
GT3	0	0.19744E+01	626095.8	4176031.0	118.9	60.96	358.71	16.81	5.79	YES	
GT4	0	0.19744E+01	626138.3	4176031.0	118.9	60.96	358.71	16.81	5.79	YES	
FWPUMP	0	0.46683E+00	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	
UNKGT	0	0.43445E+01	633100.0	4174603.0	54.0	30.48	727.59	36.58	5.18	NO	
EALTGT	0	0.75058E+01	625550.0	4184800.0	15.0	53.34	334.26	16.86	5.64	NO	
EALTBLR	0	0.18900E+00	625550.0	4184800.0	15.0	30.48	435.93	5.22	2.16	NO	

**MODELOPTs: CONC RURAL ELEV GRDRIS

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

** CONC OF NO2-OLM IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NG
ALL HIGH 1ST HIGH VALUE IS	178.85382	ON 99041722:	AT (626468.63, 4175945.50, 117.90, 0.00)	DC	
TESLA HIGH 1ST HIGH VALUE IS	178.85382	ON 99041722:	AT (626468.63, 4175945.50, 117.90, 0.00)	DC	
UNKNOWN HIGH 1ST HIGH VALUE IS	1.41369	ON 99041101:	AT (624500.00, 4174700.00, 164.90, 0.00)	DC	
EASTALTM HIGH 1ST HIGH VALUE IS	13.26158	ON 99082620:	AT (625850.00, 4176300.00, 135.70, 0.00)	DC	

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

```
** ISCST3 - VERSION 00101 ***
** FPL Tesla                                                    ***
** Model Executed on 11/27/01 at 19:08:46 ***

BEE-Line ISCST3 "BEEST" Version 8.10

    . File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_98_NOANN.DTA
utput File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_98_NOANN.LST
  Met File - D:\Brent\Tesla\tracy98.asc

     Number of sources -          8
umber of source groups -          4
   Number of receptors -       2673
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.17970E+01	625968.8	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
GT2	0	0.17970E+01	626011.3	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
GT3	0	0.17970E+01	626095.8	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
GT4	0	0.17970E+01	626138.3	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
FWPUMP	0	0.27700E-02	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	
UNKGT	0	0.43445E+01	633100.0	4174603.0	54.0	30.48	727.59	36.58	5.18	NO	
EALTGT	0	0.75058E+01	625550.0	4184800.0	15.0	53.34	334.26	16.86	5.64	NO	
EALTBLR	0	0.18900E+00	625550.0	4184800.0	15.0	30.48	435.93	5.22	2.16	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

ROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP , UNKGT , EALTGT , EALTBLR ,
TESLA	GT1 , GT2 , GT3 , GT4 , FWPUMP ,
UNKNOWN	UNKGT ,
EASTALTM	EALTGT , EALTBLR ,

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

ROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
LL	1ST HIGHEST VALUE IS	0.37638 AT	(619000.00, 4180000.00, 292.60, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.35235 AT	(620500.00, 4180500.00, 241.70, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.33973 AT	(620500.00, 4178500.00, 243.70, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.32929 AT	(618000.00, 4181000.00, 294.20, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.32470 AT	(630000.00, 4186000.00, 0.00, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.31810 AT	(618000.00, 4180000.00, 276.10, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.31639 AT	(629000.00, 4186000.00, 0.00, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.29239 AT	(620000.00, 4179000.00, 232.80, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.29128 AT	(620000.00, 4177000.00, 300.60, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.29071 AT	(630000.00, 4172500.00, 246.50, 0.00)	DC	NA
ESLA	1ST HIGHEST VALUE IS	0.27916 AT	(619000.00, 4180000.00, 292.60, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.25110 AT	(620500.00, 4178500.00, 243.70, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.24234 AT	(620500.00, 4180500.00, 241.70, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.23977 AT	(618000.00, 4181000.00, 294.20, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.23490 AT	(618000.00, 4180000.00, 276.10, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.21785 AT	(620000.00, 4177000.00, 300.60, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.20759 AT	(620000.00, 4179000.00, 232.80, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.20261 AT	(630000.00, 4172000.00, 264.80, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.19854 AT	(630000.00, 4172500.00, 246.50, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.19551 AT	(620000.00, 4180000.00, 228.60, 0.00)	DC	NA
NKNOWN	1ST HIGHEST VALUE IS	0.06880 AT	(620500.00, 4180500.00, 241.70, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.06518 AT	(619000.00, 4180000.00, 292.60, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.05980 AT	(618000.00, 4181000.00, 294.20, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.05893 AT	(616000.00, 4183000.00, 297.30, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.05821 AT	(620000.00, 4182000.00, 224.40, 0.00)	DC	NA

6TH HIGHEST VALUE IS	0.05733 AT (	620500.00,	4181000.00,	216.60,	0.00)	DC	NA
7TH HIGHEST VALUE IS	0.05686 AT (	620500.00,	4178500.00,	243.70,	0.00)	DC	NA
8TH HIGHEST VALUE IS	0.05424 AT (	618000.00,	4180000.00,	276.10,	0.00)	DC	NA
9TH HIGHEST VALUE IS	0.05316 AT (	618000.00,	4184000.00,	226.10,	0.00)	DC	NA
10TH HIGHEST VALUE IS	0.05088 AT (	620000.00,	4180000.00,	228.60,	0.00)	DC	NA

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
EASTALTM 1ST HIGHEST VALUE IS	0.32401 AT (	630000.00,	4186000.00,	0.00,	0.00)	DC	NA
2ND HIGHEST VALUE IS	0.31576 AT (	629000.00,	4186000.00,	0.00,	0.00)	DC	NA
3RD HIGHEST VALUE IS	0.28199 AT (	631000.00,	4186000.00,	0.00,	0.00)	DC	NA
4TH HIGHEST VALUE IS	0.23911 AT (	632000.00,	4186000.00,	0.00,	0.00)	DC	NA
5TH HIGHEST VALUE IS	0.21280 AT (	627000.00,	4185000.00,	7.00,	0.00)	DC	NA
6TH HIGHEST VALUE IS	0.20402 AT (	633000.00,	4186000.00,	0.00,	0.00)	DC	NA
7TH HIGHEST VALUE IS	0.19610 AT (	626000.00,	4183000.00,	24.30,	0.00)	DC	NA
8TH HIGHEST VALUE IS	0.19545 AT (	628000.00,	4185000.00,	2.10,	0.00)	DC	NA
9TH HIGHEST VALUE IS	0.17809 AT (	626000.00,	4182000.00,	34.10,	0.00)	DC	NA
10TH HIGHEST VALUE IS	0.17574 AT (	634000.00,	4186000.00,	0.00,	0.00)	DC	NA

** ISCST3 - VERSION 00101 ***
** FPL Tesla ***
** Model Executed on 11/27/01 at 19:14:27 ***

BEE-Line ISCST3 "BEEST" Version 8.10

i File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_97_PM24.DTA
utput File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_97_PM24.LST
Met File - D:\Brent\Tesla\tracy97.asc

Number of sources - 31
umber of source groups - 4
Number of receptors - 2673

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.15930E+01	625968.8	4176031.0	118.9	60.96	358.71	16.81	5.79	YES	
GT2	0	0.15930E+01	626011.3	4176031.0	118.9	60.96	358.71	16.81	5.79	YES	
GT3	0	0.15930E+01	626095.8	4176031.0	118.9	60.96	358.71	16.81	5.79	YES	
GT4	0	0.15930E+01	626138.3	4176031.0	118.9	60.96	358.71	16.81	5.79	YES	
CT1	0	0.79758E-02	625945.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT2	0	0.79758E-02	625959.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT3	0	0.79758E-02	625973.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT4	0	0.79758E-02	625987.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT5	0	0.79758E-02	626001.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT6	0	0.79758E-02	626015.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT7	0	0.79758E-02	626029.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT8	0	0.79758E-02	626043.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT9	0	0.79758E-02	626057.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT10	0	0.79758E-02	626071.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT11	0	0.79758E-02	626085.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT12	0	0.79758E-02	626103.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT13	0	0.79758E-02	626117.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT14	0	0.79758E-02	626131.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT15	0	0.79758E-02	626145.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT16	0	0.79758E-02	626159.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
[illegible]	0	0.79758E-02	626173.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
[illegible]	0	0.79758E-02	626187.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT19	0	0.79758E-02	626201.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT20	0	0.79758E-02	626215.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT21	0	0.79758E-02	626229.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT22	0	0.79758E-02	626243.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
FWPUMP	0	0.34120E-03	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	
UNKGT	0	0.24066E+01	633100.0	4174603.0	54.0	30.48	727.59	36.58	5.18	NO	
EALTGT	0	0.57708E+01	625550.0	4184800.0	15.0	53.34	334.26	16.86	5.64	NO	
EALTBLR	0	0.33390E+00	625550.0	4184800.0	15.0	30.48	435.93	5.22	2.16	NO	
EALTCT	0	0.30240E+00	625550.0	4184800.0	15.0	13.72	294.26	10.00	10.27	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

ROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , CT1 , CT2 , CT3 , CT4 , CT5 , CT6 , CT7
	CT9 , CT10 , CT11 , CT12 , CT13 , CT14 , CT15 , CT16 , CT17 , CT18 , CT19
	CT21 , CT22 , FWPUMP , UNKGT , EALTGT , EALTBLR , EALTCT ,
TESLA	GT1 , GT2 , GT3 , GT4 , CT1 , CT2 , CT3 , CT4 , CT5 , CT6 , CT7
	CT9 , CT10 , CT11 , CT12 , CT13 , CT14 , CT15 , CT16 , CT17 , CT18 , CT19
	CT21 , CT22 , FWPUMP ,
UNKNOWN	UNKGT ,
EASTALTM	EALTGT , EALTBLR , EALTCT ,

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

** CONC OF PM24 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
ALL	HIGH 1ST HIGH VALUE IS	4.90876c	ON 97011924: AT (622000.00, 4176000.00, 248.00, 0.00)		DC
TESLA	HIGH 1ST HIGH VALUE IS	4.23234c	ON 97011924: AT (622000.00, 4176000.00, 248.00, 0.00)		DC
UNKNOWN	HIGH 1ST HIGH VALUE IS	0.67643c	ON 97011924: AT (622000.00, 4176000.00, 248.00, 0.00)		DC
EASTALTM	HIGH 1ST HIGH VALUE IS	3.32024c	ON 97011924: AT (618000.00, 4185000.00, 150.90, 0.00)		DC

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** ISCST3 - VERSION 00101 ***
*** FPL Tesla                                                    ***
** Model Executed on 11/27/01 at 18:23:29 ***

BEE-Line ISCST3 "BEEST" Version 8.10

   Input File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_97_PMANN.DTA
  Output File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_97_PMANN.LST
     Met File - D:\Brent\Tesla\tracy97.asc

    Number of sources -        31
Number of source groups -        4
  Number of receptors -     2673
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*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.13660E+01	625968.8	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
GT2	0	0.13660E+01	626011.3	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
GT3	0	0.13660E+01	626095.8	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
GT4	0	0.13660E+01	626138.3	4176031.0	118.9	60.96	358.71	17.57	5.79	YES	
CT1	0	0.79758E-02	625945.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT2	0	0.79758E-02	625959.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT3	0	0.79758E-02	625973.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT4	0	0.79758E-02	625987.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT5	0	0.79758E-02	626001.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT6	0	0.79758E-02	626015.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT7	0	0.79758E-02	626029.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT8	0	0.79758E-02	626043.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT9	0	0.79758E-02	626057.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT10	0	0.79758E-02	626071.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT11	0	0.79758E-02	626085.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT12	0	0.79758E-02	626103.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT13	0	0.79758E-02	626117.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT14	0	0.79758E-02	626131.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT15	0	0.79758E-02	626145.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT16	0	0.79758E-02	626159.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT17	0	0.79758E-02	626173.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT18	0	0.79758E-02	626187.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT19	0	0.79758E-02	626201.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT20	0	0.79758E-02	626215.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT21	0	0.79758E-02	626229.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
CT22	0	0.79758E-02	626243.0	4176094.0	118.9	16.92	307.04	6.51	9.14	YES	
FWPUMP	0	0.48599E-04	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	
UNKGT	0	0.24066E+01	633100.0	4174603.0	54.0	30.48	727.59	36.58	5.18	NO	
EALTGT	0	0.57708E+01	625550.0	4184800.0	15.0	53.34	334.26	16.86	5.64	NO	
EALTBLR	0	0.33390E+00	625550.0	4184800.0	15.0	30.48	435.93	5.22	2.16	NO	
EALTCT	0	0.30240E+00	625550.0	4184800.0	15.0	13.72	294.26	10.00	10.27	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , CT1 , CT2 , CT3 , CT4 , CT5 , CT6 , CT7
	CT9 , CT10 , CT11 , CT12 , CT13 , CT14 , CT15 , CT16 , CT17 , CT18 , CT19
	CT21 , CT22 , FWPUMP , UNKGT , EALTGT , EALTBLR , EALTCT ,
TESLA	GT1 , GT2 , GT3 , GT4 , CT1 , CT2 , CT3 , CT4 , CT5 , CT6 , CT7
	CT9 , CT10 , CT11 , CT12 , CT13 , CT14 , CT15 , CT16 , CT17 , CT18 , CT19
	CT21 , CT22 , FWPUMP ,
UNKNOWN	UNKGT ,
EASTALTM	EALTGT , EALTBLR , EALTCT ,

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.57774 AT (	626625.00, 4176225.00, 135.80, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.57343 AT (	626625.00, 4176250.00, 138.50, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.57175 AT (	626650.00, 4176250.00, 140.90, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.56782 AT (	626675.00, 4176250.00, 142.20, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.56318 AT (	626650.00, 4176225.00, 138.00, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.55673 AT (	626675.00, 4176225.00, 140.10, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.53814 AT (	626650.00, 4176275.00, 141.70, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.53693 AT (	626675.00, 4176275.00, 141.90, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.52739 AT (	626625.00, 4176275.00, 139.70, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.51776 AT (	626700.00, 4176200.00, 140.20, 0.00)	DC	NA
TESLA	1ST HIGHEST VALUE IS	0.48068 AT (	626625.00, 4176225.00, 135.80, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.47584 AT (	626650.00, 4176250.00, 140.90, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.47560 AT (	626625.00, 4176250.00, 138.50, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.47166 AT (	626675.00, 4176250.00, 142.20, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.46804 AT (	626650.00, 4176225.00, 138.00, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.46115 AT (	626675.00, 4176225.00, 140.10, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.44176 AT (	626650.00, 4176275.00, 141.70, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.44058 AT (	626675.00, 4176275.00, 141.90, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.42900 AT (	626625.00, 4176275.00, 139.70, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.42248 AT (	626700.00, 4176200.00, 140.20, 0.00)	DC	NA
UNKNOWN	1ST HIGHEST VALUE IS	0.02401 AT (	620500.00, 4180500.00, 241.70, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.02391 AT (	619000.00, 4180000.00, 292.60, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.02281 AT (	618000.00, 4181000.00, 294.20, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.02126 AT (	620500.00, 4178500.00, 243.70, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.02086 AT (	620000.00, 4177000.00, 300.60, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.02084 AT (	622000.00, 4176000.00, 248.00, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.02082 AT (	621000.00, 4176000.00, 312.40, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.02013 AT (	621500.00, 4175500.00, 273.60, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.01995 AT (	621500.00, 4175000.00, 289.60, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.01970 AT (	622500.00, 4175500.00, 237.70, 0.00)	DC	NA

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
EASTALTM	1ST HIGHEST VALUE IS	0.39022 AT (	627000.00, 4185000.00, 7.00, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.38220 AT (	629000.00, 4186000.00, 0.00, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.37594 AT (	630000.00, 4186000.00, 0.00, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.32594 AT (	631000.00, 4186000.00, 0.00, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.28661 AT (	628000.00, 4185000.00, 2.10, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.27812 AT (	632000.00, 4186000.00, 0.00, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.23742 AT (	633000.00, 4186000.00, 0.00, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.22750 AT (	629000.00, 4185000.00, 0.00, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.21773 AT (	626000.00, 4183000.00, 24.30, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.20925 AT (	626000.00, 4185000.00, 9.10, 0.00)	DC	NA

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** ISCST3 - VERSION 00101 ***
** FPL Tesla                                                    ***
** Model Executed on 11/27/01 at 17:40:45 ***

BEE-Line ISCST3 "BEEST" Version 8.10

 Input File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_98_SO1.DTA
utput File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_98_SO1.LST
  Met File - D:\Brent\Tesla\tracy98.asc

    Number of sources -          8
umber of source groups -          4
   Number of receptors -       2673
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.25330E+00	625968.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT2	0	0.25330E+00	626011.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT3	0	0.25330E+00	626095.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT4	0	0.25330E+00	626138.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
FWPUMP	0	0.47250E-01	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	
UNKGT	0	0.12600E+00	633100.0	4174603.0	54.0	30.48	727.59	36.58	5.18	NO	
EALTGT	0	0.61236E+00	625550.0	4184800.0	15.0	53.34	334.26	16.86	5.64	NO	
EALTBLR	0	0.11340E-01	625550.0	4184800.0	15.0	30.48	435.93	5.22	2.16	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

ROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP , UNKGT , EALTGT , EALTBLR ,
TESLA	GT1 , GT2 , GT3 , GT4 , FWPUMP ,
UNKNOWN	UNKGT ,
EASTALTM	EALTGT , EALTBLR ,

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

** CONC OF SO1 IN MICROGRAMS/M**3 **

ROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
LL	HIGH 1ST HIGH VALUE IS	68.26703	ON 98112604: AT (626300.00, 4176175.00, 121.60, 0.00)		DC
TESLA	HIGH 1ST HIGH VALUE IS	68.26703	ON 98112604: AT (626300.00, 4176175.00, 121.60, 0.00)		DC
NKNOWN	HIGH 1ST HIGH VALUE IS	0.49053	ON 98040104: AT (631500.00, 4171500.00, 270.70, 0.00)		DC
ASTALTM	HIGH 1ST HIGH VALUE IS	1.97531	ON 98090502: AT (621000.00, 4181000.00, 168.20, 0.00)		DC

```
*** ISCST3 - VERSION 00101 ***
*** FPL Tesla                                                    ***
*** Model Executed on 11/27/01 at 17:53:20 ***


 BEE-Line ISCST3 "BEEST" Version 8.10

 Input File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_99_SO3.DTA
Output File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_99_SO3.LST
   Met File - D:\Brent\Tesla\tracy99.asc

     Number of sources -          8
Number of source groups -          4
    Number of receptors -       2673
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.25330E+00	625968.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT2	0	0.25330E+00	626011.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT3	0	0.25330E+00	626095.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT4	0	0.25330E+00	626138.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
FWPUMP	0	0.15750E-01	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	
UNKGT	0	0.12600E+00	633100.0	4174603.0	54.0	30.48	727.59	36.58	5.18	NO	
EALTGT	0	0.61236E+00	625550.0	4184800.0	15.0	53.34	334.26	16.86	5.64	NO	
EALTBLR	0	0.11340E-01	625550.0	4184800.0	15.0	30.48	435.93	5.22	2.16	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP , UNKGT , EALTGT , EALTBLR ,
TESLA	GT1 , GT2 , GT3 , GT4 , FWPUMP ,
UNKNOWN	UNKGT ,
EASTALTM	EALTGT , EALTBLR ,

*** THE SUMMARY OF HIGHEST 3-HR RESULTS ***

** CONC OF SO3 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
ALL	HIGH 1ST HIGH VALUE IS	13.07943	ON 99091106:	AT (626325.00, 4176125.00, 118.40, 0.00)	DC
TESLA	HIGH 1ST HIGH VALUE IS	13.07943	ON 99091106:	AT (626325.00, 4176125.00, 118.40, 0.00)	DC
UNKNOWN	HIGH 1ST HIGH VALUE IS	0.26725	ON 99112724:	AT (632000.00, 4171000.00, 268.40, 0.00)	DC
EASTALTM	HIGH 1ST HIGH VALUE IS	1.20655	ON 99092306:	AT (620000.00, 4184000.00, 145.40, 0.00)	DC

```
** ISCST3 - VERSION 00101 ***
** FPL Tesla                                                    ***
** Model Executed on 11/27/01 at 18:02:08 ***

BEE-Line ISCST3 "BEEST" Version 8.10

    . File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_99_SO24.DTA
utput File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_99_SO24.LST
  Met File - D:\Brent\Tesla\tracy99.asc

    Number of sources -          8
umber of source groups -          4
   Number of receptors -       2673
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.25330E+00	625968.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT2	0	0.25330E+00	626011.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT3	0	0.25330E+00	626095.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT4	0	0.25330E+00	626138.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
FWPUMP	0	0.19660E-02	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	
UNKGT	0	0.12600E+00	633100.0	4174603.0	54.0	30.48	727.59	36.58	5.18	NO	
EALTGT	0	0.61236E+00	625550.0	4184800.0	15.0	53.34	334.26	16.86	5.64	NO	
EALTBLR	0	0.11340E-01	625550.0	4184800.0	15.0	30.48	435.93	5.22	2.16	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

ROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP , UNKGT , EALTGT , EALTBLR ,
TESLA	GT1 , GT2 , GT3 , GT4 , FWPUMP ,
UNKNOWN	UNKGT ,
EASTALTM	EALTGT , EALTBLR ,

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

** CONC OF SO24 IN MICROGRAMS/M**3 **

ROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE
LL	HIGH 1ST HIGH VALUE IS	0.63683c	ON 99112724:	AT (625000.00, 4172500.00, 254.50, 0.00)	DC
ESLA	HIGH 1ST HIGH VALUE IS	0.58856c	ON 99112724:	AT (625000.00, 4172000.00, 334.80, 0.00)	DC
NKNOWN	HIGH 1ST HIGH VALUE IS	0.08798c	ON 99112724:	AT (632000.00, 4171000.00, 268.40, 0.00)	DC
ASTALTM	HIGH 1ST HIGH VALUE IS	0.26996c	ON 99112724:	AT (624000.00, 4179000.00, 139.90, 0.00)	DC

```
*** ISCST3 - VERSION 00101 ***
*** FPL Tesla                                                    ***
*** Model Executed on 11/27/01 at 17:31:45 ***


 BEE-Line ISCST3 "BEEST" Version 8.10

 Input File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_98_SOANN.DTA
Output File - D:\Brent\Tesla\Cumulative\Supplement\CumulativeT_98_SOANN.LST
   Met File - D:\Brent\Tesla\tracy98.asc

      Number of sources -          8
Number of source groups -          4
    Number of receptors -       2673
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RAT SCALAR VARY BY
GT1	0	0.25330E+00	625968.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT2	0	0.25330E+00	626011.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT3	0	0.25330E+00	626095.8	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
GT4	0	0.25330E+00	626138.3	4176031.0	118.9	60.96	358.71	18.86	5.79	YES	
FWPUMP	0	0.28200E-03	626217.2	4175917.0	118.9	3.00	622.00	75.00	0.13	YES	
UNKGT	0	0.12600E+00	633100.0	4174603.0	54.0	30.48	727.59	36.58	5.18	NO	
EALTGT	0	0.61236E+00	625550.0	4184800.0	15.0	53.34	334.26	16.86	5.64	NO	
EALTBLR	0	0.11340E-01	625550.0	4184800.0	15.0	30.48	435.93	5.22	2.16	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	GT1 , GT2 , GT3 , GT4 , FWPUMP , UNKGT , EALTGT , EALTBLR ,
TESLA	GT1 , GT2 , GT3 , GT4 , FWPUMP ,
UNKNOWN	UNKGT ,
EASTALTM	EALTGT , EALTBLR ,

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.04330 AT (619000.00, 4180000.00, 292.60, 0.00)		DC	NA
	2ND HIGHEST VALUE IS	0.03791 AT (620500.00, 4180500.00, 241.70, 0.00)		DC	NA
	3RD HIGHEST VALUE IS	0.03771 AT (620500.00, 4178500.00, 243.70, 0.00)		DC	NA
	4TH HIGHEST VALUE IS	0.03758 AT (618000.00, 4181000.00, 294.20, 0.00)		DC	NA
	5TH HIGHEST VALUE IS	0.03617 AT (618000.00, 4180000.00, 276.10, 0.00)		DC	NA
	6TH HIGHEST VALUE IS	0.03357 AT (620000.00, 4177000.00, 300.60, 0.00)		DC	NA
	7TH HIGHEST VALUE IS	0.03353 AT (630000.00, 4172000.00, 264.80, 0.00)		DC	NA
	8TH HIGHEST VALUE IS	0.03314 AT (630000.00, 4172500.00, 246.50, 0.00)		DC	NA
	9TH HIGHEST VALUE IS	0.03182 AT (620000.00, 4179000.00, 232.80, 0.00)		DC	NA
	10TH HIGHEST VALUE IS	0.03122 AT (628000.00, 4171500.00, 267.70, 0.00)		DC	NA
TESLA	1ST HIGHEST VALUE IS	0.03883 AT (619000.00, 4180000.00, 292.60, 0.00)		DC	NA
	2ND HIGHEST VALUE IS	0.03350 AT (620500.00, 4178500.00, 243.70, 0.00)		DC	NA
	3RD HIGHEST VALUE IS	0.03345 AT (618000.00, 4181000.00, 294.20, 0.00)		DC	NA
	4TH HIGHEST VALUE IS	0.03259 AT (620500.00, 4180500.00, 241.70, 0.00)		DC	NA
	5TH HIGHEST VALUE IS	0.03226 AT (618000.00, 4180000.00, 276.10, 0.00)		DC	NA
	6TH HIGHEST VALUE IS	0.03027 AT (620000.00, 4177000.00, 300.60, 0.00)		DC	NA
	7TH HIGHEST VALUE IS	0.02757 AT (620000.00, 4179000.00, 232.80, 0.00)		DC	NA
	8TH HIGHEST VALUE IS	0.02745 AT (630000.00, 4172000.00, 264.80, 0.00)		DC	NA
	9TH HIGHEST VALUE IS	0.02662 AT (630000.00, 4172500.00, 246.50, 0.00)		DC	NA
	10TH HIGHEST VALUE IS	0.02603 AT (620000.00, 4180000.00, 228.60, 0.00)		DC	NA
UNKNOWN	1ST HIGHEST VALUE IS	0.00200 AT (620500.00, 4180500.00, 241.70, 0.00)		DC	NA
	2ND HIGHEST VALUE IS	0.00189 AT (619000.00, 4180000.00, 292.60, 0.00)		DC	NA
	3RD HIGHEST VALUE IS	0.00173 AT (618000.00, 4181000.00, 294.20, 0.00)		DC	NA
	4TH HIGHEST VALUE IS	0.00171 AT (616000.00, 4183000.00, 297.30, 0.00)		DC	NA
	5TH HIGHEST VALUE IS	0.00169 AT (620000.00, 4182000.00, 224.40, 0.00)		DC	NA

6TH HIGHEST VALUE IS	0.00166 AT (	620500.00,	4181000.00,	216.60,	0.00)	DC	NA
7TH HIGHEST VALUE IS	0.00165 AT (	620500.00,	4178500.00,	243.70,	0.00)	DC	NA
8TH HIGHEST VALUE IS	0.00157 AT (	618000.00,	4180000.00,	276.10,	0.00)	DC	NA
9TH HIGHEST VALUE IS	0.00154 AT (	618000.00,	4184000.00,	226.10,	0.00)	DC	NA
10TH HIGHEST VALUE IS	0.00148 AT (	620000.00,	4180000.00,	228.60,	0.00)	DC	NA

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

ROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)			OF TYPE	NETWORK GRID-ID
ASTALTM 1ST HIGHEST VALUE IS	0.02576 AT (	630000.00,	4186000.00,	0.00,	0.00)	DC	NA
2ND HIGHEST VALUE IS	0.02495 AT (	629000.00,	4186000.00,	0.00,	0.00)	DC	NA
3RD HIGHEST VALUE IS	0.02250 AT (	631000.00,	4186000.00,	0.00,	0.00)	DC	NA
4TH HIGHEST VALUE IS	0.01912 AT (	632000.00,	4186000.00,	0.00,	0.00)	DC	NA
5TH HIGHEST VALUE IS	0.01633 AT (	633000.00,	4186000.00,	0.00,	0.00)	DC	NA
6TH HIGHEST VALUE IS	0.01609 AT (	627000.00,	4185000.00,	7.00,	0.00)	DC	NA
7TH HIGHEST VALUE IS	0.01557 AT (	626000.00,	4183000.00,	24.30,	0.00)	DC	NA
8TH HIGHEST VALUE IS	0.01534 AT (	628000.00,	4185000.00,	2.10,	0.00)	DC	NA
9TH HIGHEST VALUE IS	0.01426 AT (	626000.00,	4182000.00,	34.10,	0.00)	DC	NA
10TH HIGHEST VALUE IS	0.01408 AT (	634000.00,	4186000.00,	0.00,	0.00)	DC	NA

Health Risk Assessment Modeling Files

***** A C E 2 5 8 8 --- ASSESSMENT OF CHEMICAL EXPOSURE FOR AB 2588 --- VERSION 93288 *****

*** A MULTI-SOURCE, MULTI-POLLUTANT, MULTI-PATHWAY RISK ASSESSMENT MODEL
DEVELOPED BY APPLIED MODELING INC. AND SANTA BARBARA COUNTY APCD ***

Distributed and Maintained by CAPCOA

*** INPUT MODELING PARAMETERS ***

DISPERSION MODELING OPTION =	1
RISK ASSESSMENT OPTION =	0
NONCANCER ACUTE OPTION =	1
DIAGNOSTIC PRINT OUTPUT OPTION =	1
NUMBER OF RECEPTORS =	2673
NUMBER OF SOURCES =	3
NUMBER OF POLLUTANTS =	26
NUMBER OF DISPERSION MODELING HOURS =	8760
NUMBER OF DISPERSION MODELING DAYS =	365

IDODIS = 1 ==> ISCST DISPERSION MODELING WITH SEQUENTIAL METEOROLOGY
ANNUAL CONCENTRATIONS COMPUTED AS AVERAGES OF 1-HOUR CONC.

IDORISK = 0 ==> FULL MODEL RUN FOR RISK ASSESSMENT FROM ALL SOURCES AT ALL RECEPTORS

IDOACU = 1 ==> NONCANCER ACUTE EXPOSURE PERFORMED

IDOPRT = 1 ==> DIAGNOSTIC PRINT OUTPUT CREATED

IDENTIFICATION NUMBERS OF MODELED POLLUTANTS:

110	130	158	20	1	3	13	70	159	134	135	145	151	9	160
10	19	22	36	38	161	85	87	111	141	152				

*** POLLUTANT-SPECIFIC DATA ***

NAME	SYMBOL	NUM	UNIT RISK (ug/m3)-1	POTENCY (mg/kg-d)-1	ACUTE AEL (ug/m3)	CHRONIC AEL (ug/m3)	ORAL DOSE (mg/kg-d)	CHRONIC TOX ENDPOINTS CV	CN	IM	KI	LI	RP	RE	SK	ACUTE TO CV	CN	IM	K
Naphthalene	NAPTH	110	0.00E+00	0.00E+00	0.00E+00	9.00E+00	4.00E-03	0	0	0	0	0	0	1	0	0	0	0	0
Polycyclic arom. HC	PAH	130	1.10E-03	1.20E+01	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0
Ethylbenzene	ETHLB	158	0.00E+00	0.00E+00	0.00E+00	2.00E+03	0.00E+00	0	0	0	1	1	1	0	0	0	0	0	0
Butadiene-1,3	BUTAD	20	1.70E-04	0.00E+00	0.00E+00	2.00E+01	0.00E+00	0	0	0	0	0	1	0	0	0	0	0	0
Acetaldehyde	ACETA	1	2.70E-06	0.00E+00	0.00E+00	9.00E+00	0.00E+00	0	0	0	0	0	0	1	0	0	0	0	0
Acrolein	ACROL	3	0.00E+00	0.00E+00	1.90E-01	6.00E-02	0.00E+00	0	0	0	0	0	0	1	0	0	0	0	0
Benzene	BENZE	13	2.90E-05	0.00E+00	1.30E+03	6.00E+01	0.00E+00	1	1	0	0	0	1	0	0	1	0	1	0
Formaldehyde	HCHO	70	6.00E-06	0.00E+00	9.40E+01	3.00E+00	0.00E+00	0	0	0	0	0	0	1	0	0	0	0	0
N-hexane	NHEX	159	0.00E+00	0.00E+00	0.00E+00	7.00E+03	0.00E+00	0	1	0	0	0	0	0	0	0	0	0	0
Propylene	PROPL	134	0.00E+00	0.00E+00	0.00E+00	3.00E+03	0.00E+00	0	0	0	0	0	0	1	0	0	0	0	0
Propylene oxide	PROX	135	3.70E-06	2.40E-01	3.10E+03	3.00E+01	0.00E+00	0	0	0	0	0	0	1	0	0	0	0	0
Toluene	TOL	145	0.00E+00	0.00E+00	3.70E+04	3.00E+02	0.00E+00	0	1	0	0	0	1	1	0	0	1	0	0
Xylene	XYLEN	151	0.00E+00	0.00E+00	2.20E+04	7.00E+02	0.00E+00	0	1	0	0	0	0	1	0	0	0	0	0
Ammonia	NH3	9	0.00E+00	0.00E+00	3.20E+03	2.00E+02	0.00E+00	0	0	0	0	0	0	1	0	0	0	0	0
DieselExhaust	DIESL	160	3.00E-04	0.00E+00	0.00E+00	5.00E+00	0.00E+00	0	0	0	0	0	0	1	0	0	0	0	0
Arsenic	As	10	3.30E-03	1.50E+00	1.90E-01	3.00E-02	3.00E-04	1	1	0	0	0	1	0	0	0	0	0	0
Bromine	Br	19	0.00E+00	0.00E+00	0.00E+00	1.70E+00	0.00E+00	0	0	0	0	0	0	1	0	0	0	0	0
Cadmium	Cd	22	4.20E-03	0.00E+00	0.00E+00	2.00E-02	5.00E-04	0	0	0	1	0	0	1	0	0	0	0	0
Chromium (hex.)	Cr	36	1.50E-01	4.20E-01	0.00E+00	2.00E-01	2.00E-02	0	0	0	0	0	0	1	0	0	0	0	0
Copper	Cu	38	0.00E+00	0.00E+00	1.00E+02	2.40E+00	0.00E+00	0	0	0	0	0	0	1	0	0	0	0	0
Fluoride and Cmpnds	FLRID	161	0.00E+00	0.00E+00	2.40E+02	5.90E+00	0.00E+00	0	0	0	0	0	0	1	1	0	0	0	0
Manganese	Mn	85	0.00E+00	0.00E+00	0.00E+00	2.00E-01	0.00E+00	0	1	0	0	0	0	0	0	0	0	0	0
Mercury	Hg	87	0.00E+00	0.00E+00	1.80E+00	9.00E-02	3.00E-04	1	1	0	1	1	1	1	0	0	1	0	1
Nickel	Ni	111	2.60E-04	0.00E+00	6.00E+00	5.00E-02	0.00E+00	0	0	1	1	0	0	1	0	0	0	1	0
Sulfates	SO4	141	0.00E+00	0.00E+00	1.20E+02	2.50E+01	0.00E+00	0	0	0	0	0	0	1	0	0	0	0	0
Zinc	Zn	152	0.00E+00	0.00E+00	0.00E+00	3.50E+01	0.00E+00	1	0	0	0	0	0	1	0	0	0	0	0

TOTAL NUMBER OF MODELED POLLUTANTS = 26

NUMBER OF CARCINOGENIC POLLUTANTS = 11

130 20 1 13 70 135 160 10 22 36
111

NUMBER OF MULTIPATHWAY POLLUTANTS = 7

110 130 135 10 22 36 87

NUMBER OF POLLUTANTS WITH ACUTE NON-CANCER RISK = 13

3 13 70 135 145 151 9 10 38 161
87 111 141

MAXIMUM NUMBER OF ACUTE TOXICOLOGICAL ENDPOINTS = 4

NUMBER OF POLLUTANTS WITH CHRONIC NON-CANCER RISK = 25

110	158	20	1	3	13	70	159	134	135
145	151	9	160	10	19	22	36	38	161
85	87	111	141	152					

MAXIMUM NUMBER OF CHRONIC TOXICOLOGICAL ENDPOINTS = 6

REQUIRED TOTAL ARRAY SIZE = 557256 WORDS

*** INPUT SOURCE EMISSION RATES ****

FOR SOURCE # 1 Gas Turbines
OPERATING HOURS = 8760.00 SURFACE AREA (m2) = 1.000E+00 DEPOSITION ADJUST. FACTOR = 1.00000

POLLUTANT NAME	POLLUTANT NUMBER	1-HOUR RATE (g/s)	1-HOUR RATE (lb/hr)	ANNUAL RATE (g/s)	ANNUAL RATE (lb/yr)
NAPTH	110	1.860E-03	1.476E-02	1.560E-03	1.085E+02
PAH	130	1.840E-04	1.460E-03	1.540E-04	1.071E+01
ETHLB	158	1.350E-02	1.071E-01	1.130E-02	7.856E+02
BUTAD	20	3.150E-05	2.500E-04	2.630E-05	1.828E+00
ACETA	1	1.210E-01	9.603E-01	1.010E-01	7.022E+03
ACROL	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00
BENZE	13	1.120E-02	8.889E-02	9.340E-03	6.494E+02
HCHO	70	2.170E-01	1.722E+00	1.810E-01	1.258E+04
NHEX	159	9.030E-02	7.167E-01	7.560E-02	5.256E+03
PROPL	134	4.730E-01	3.754E+00	3.960E-01	2.753E+04
PROX	135	1.390E-02	1.103E-01	1.160E-02	8.065E+02
TOL	145	3.970E-02	3.151E-01	3.320E-02	2.308E+03
XYLEN	151	1.480E-02	1.175E-01	1.240E-02	8.621E+02
NH3	9	1.830E+00	1.452E+01	1.500E+00	1.043E+05
DIESL	160	0.000E+00	0.000E+00	0.000E+00	0.000E+00
As	10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Br	19	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cd	22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cr	36	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cu	38	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FLRID	161	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Mn	85	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Hg	87	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ni	111	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SO4	141	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Zn	152	0.000E+00	0.000E+00	0.000E+00	0.000E+00

FOR SOURCE # 2 Cooling Towers
OPERATING HOURS = 8760.00 SURFACE AREA (m2) = 1.000E+00 DEPOSITION ADJUST. FACTOR = 1.00000

POLLUTANT NAME	POLLUTANT NUMBER	1-HOUR RATE (g/s)	1-HOUR RATE (lb/hr)	ANNUAL RATE (g/s)	ANNUAL RATE (lb/yr)
NAPTH	110	0.000E+00	0.000E+00	0.000E+00	0.000E+00
PAH	130	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ETHLB	158	0.000E+00	0.000E+00	0.000E+00	0.000E+00
BUTAD	20	0.000E+00	0.000E+00	0.000E+00	0.000E+00

ACETA	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ACROL	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00
BENZE	13	0.000E+00	0.000E+00	0.000E+00	0.000E+00
HCHO	70	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NHEX	159	0.000E+00	0.000E+00	0.000E+00	0.000E+00
PROPL	134	0.000E+00	0.000E+00	0.000E+00	0.000E+00
PROX	135	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOL	145	0.000E+00	0.000E+00	0.000E+00	0.000E+00
XYLEN	151	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NH3	9	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DIESL	160	0.000E+00	0.000E+00	0.000E+00	0.000E+00
As	10	1.700E-07	1.349E-06	1.700E-07	1.182E-02
Br	19	1.780E-05	1.413E-04	1.780E-05	1.238E+00
Cd	22	3.400E-07	2.698E-06	3.400E-07	2.364E-02
Cr	36	2.120E-07	1.683E-06	2.120E-07	1.474E-02
Cu	38	4.240E-07	3.365E-06	4.240E-07	2.948E-02
FLRID	161	7.640E-06	6.063E-05	7.640E-06	5.312E-01
Mn	85	5.940E-07	4.714E-06	5.940E-07	4.130E-02
Hg	87	6.790E-08	5.389E-07	6.790E-08	4.721E-03
Ni	111	1.700E-07	1.349E-06	1.700E-07	1.182E-02
SO4	141	3.650E-03	2.897E-02	3.650E-03	2.538E+02
Zn	152	7.640E-07	6.063E-06	7.640E-07	5.312E-02

FOR SOURCE # 3 FW Pump Eng
OPERATING HOURS = 8760.00 SURFACE AREA (m2) = 1.000E+00 DEPOSITION ADJUST. FACTOR = 1.00000

POLLUTANT NAME	POLLUTANT NUMBER	1-HOUR RATE (g/s)	1-HOUR RATE (lb/hr)	ANNUAL RATE (g/s)	ANNUAL RATE (lb/yr)
NAPTH	110	0.000E+00	0.000E+00	0.000E+00	0.000E+00
PAH	130	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ETHLB	158	0.000E+00	0.000E+00	0.000E+00	0.000E+00
BUTAD	20	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ACETA	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ACROL	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00
BENZE	13	0.000E+00	0.000E+00	0.000E+00	0.000E+00
HCHO	70	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NHEX	159	0.000E+00	0.000E+00	0.000E+00	0.000E+00
PROPL	134	0.000E+00	0.000E+00	0.000E+00	0.000E+00
PROX	135	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOL	145	0.000E+00	0.000E+00	0.000E+00	0.000E+00
XYLEN	151	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NH3	9	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DIESL	160	8.190E-03	6.500E-02	4.860E-05	3.379E+00
As	10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Br	19	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cd	22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cr	36	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cu	38	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FLRID	161	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Mn	85	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Hg	87	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ni	111	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SO4	141	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Zn	152	0.000E+00	0.000E+00	0.000E+00	0.000E+00

*** INPUT FACILITY-WIDE EMISSION RATES ***

POLLUTANT NAME	POLLUTANT NUMBER	1-HOUR RATE (g/s)	1-HOUR RATE (lb/hr)	ANNUAL RATE (g/s)	ANNUAL RATE (lb/yr)
NAPTH	110	1.860E-03	1.476E-02	1.560E-03	1.085E+02
PAH	130	1.840E-04	1.460E-03	1.540E-04	1.071E+01
ETHLB	158	1.350E-02	1.071E-01	1.130E-02	7.856E+02
BUTAD	20	3.150E-05	2.500E-04	2.630E-05	1.828E+00
ACETA	1	1.210E-01	9.603E-01	1.010E-01	7.022E+03
ACROL	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00
BENZE	13	1.120E-02	8.889E-02	9.340E-03	6.494E+02
HCHO	70	2.170E-01	1.722E+00	1.810E-01	1.258E+04
NHEX	159	9.030E-02	7.167E-01	7.560E-02	5.256E+03
PROPL	134	4.730E-01	3.754E+00	3.960E-01	2.753E+04
PROX	135	1.390E-02	1.103E-01	1.160E-02	8.065E+02
TOL	145	3.970E-02	3.151E-01	3.320E-02	2.308E+03
XYLEN	151	1.480E-02	1.175E-01	1.240E-02	8.621E+02
NH3	9	1.830E+00	1.452E+01	1.500E+00	1.043E+05
DIESL	160	8.190E-03	6.500E-02	4.860E-05	3.379E+00
As	10	1.700E-07	1.349E-06	1.700E-07	1.182E-02
Br	19	1.780E-05	1.413E-04	1.780E-05	1.238E+00
Cd	22	3.400E-07	2.698E-06	3.400E-07	2.364E-02
Cr	36	2.120E-07	1.683E-06	2.120E-07	1.474E-02
Cu	38	4.240E-07	3.365E-06	4.240E-07	2.948E-02
FLRID	161	7.640E-06	6.063E-05	7.640E-06	5.312E-01
Mn	85	5.940E-07	4.714E-06	5.940E-07	4.130E-02
Hg	87	6.790E-08	5.389E-07	6.790E-08	4.721E-03
Ni	111	1.700E-07	1.349E-06	1.700E-07	1.182E-02
SO4	141	3.650E-03	2.897E-02	3.650E-03	2.538E+02
Zn	152	7.640E-07	6.063E-06	7.640E-07	5.312E-02

*** 70-YEAR LIFETIME CANCER RISK BY SOURCE FOR PEAK RECEPTOR # 938 ***

SOURCE	INHALE	DERMAL	SOIL	WATER	PLANTS	ANIMAL	MOTHER MILK	SUM
1	5.872E-09	1.494E-09	1.270E-09	0.000E+00	1.470E-08	0.000E+00	0.000E+00	2.334E-08
2	3.530E-06	6.581E-09	9.340E-08	0.000E+00	3.858E-08	0.000E+00	0.000E+00	3.668E-06
3	5.460E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.460E-08
SUM	3.590E-06	8.075E-09	9.467E-08	0.000E+00	5.328E-08	0.000E+00	0.000E+00	3.746E-06

RECEPTOR RISK OF 3.746E-06 IS BELOW SIGNIFICANT RISK LEVEL OF 1.000E-05

RECEPTOR RISK OF 3.746E-06 EXCEEDS IMPACT ZONE RISK LEVEL OF 1.000E-06
RECEPTOR POPULATION = 0
RECEPTOR BURDEN = 0.000E+00

*** 70-YEAR LIFETIME CANCER RISK BY POLLUTANT FOR PEAK RECEPTOR # 938 ***

POLLUTANT	INHALE	DERMAL	SOIL	WATER	PLANTS	ANIMAL	MOTHER MILK	SUM
PAH	5.387E-10	5.122E-10	8.068E-10	0.000E+00	5.866E-09	0.000E+00	0.000E+00	7.724E-09
BUTAD	1.422E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.422E-11
ACETA	8.673E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.673E-10
BENZE	8.614E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.614E-10
HCHO	3.454E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.454E-09
PROX	1.365E-10	9.814E-10	4.637E-10	0.000E+00	8.837E-09	0.000E+00	0.000E+00	1.042E-08
DIESL	5.460E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.460E-08
As	5.853E-08	1.465E-09	6.923E-08	0.000E+00	2.885E-08	0.000E+00	0.000E+00	1.581E-07
Cd	1.490E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.490E-07
Cr	3.318E-06	5.116E-09	2.417E-08	0.000E+00	9.729E-09	0.000E+00	0.000E+00	3.357E-06
Ni	4.611E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.611E-09
SUM	3.590E-06	8.075E-09	9.467E-08	0.000E+00	5.328E-08	0.000E+00	0.000E+00	3.746E-06

RECEPTOR RISK OF 3.746E-06 IS BELOW SIGNIFICANT RISK LEVEL OF 1.000E-05

RECEPTOR RISK OF 3.746E-06 EXCEEDS IMPACT ZONE RISK LEVEL OF 1.000E-06
RECEPTOR POPULATION = 0
RECEPTOR BURDEN = 0.000E+00

*** 70-YEAR LIFETIME DOSE (mg/kg/d) BY POLLUTANT FOR PEAK RECEPTOR # 938 ***

POLLUTANT	INHALE	DERMAL	SOIL	WATER	PLANTS	ANIMAL	MOTHER MILK	SUM
PAH	1.399E-10	4.269E-11	6.723E-11	0.000E+00	4.888E-10	0.000E+00	0.000E+00	7.387E-10
BUTAD	2.390E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.390E-11
ACETA	9.177E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.177E-08
BENZE	8.487E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.487E-09
HCHO	1.645E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.645E-07
PROX	1.054E-08	4.089E-09	1.932E-09	0.000E+00	3.682E-08	0.000E+00	0.000E+00	5.338E-08
DIESL	5.200E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.200E-08
As	5.067E-09	9.768E-10	4.615E-08	0.000E+00	1.923E-08	0.000E+00	0.000E+00	7.143E-08
Cd	1.013E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.013E-08
Cr	6.319E-09	1.218E-08	5.755E-08	0.000E+00	2.316E-08	0.000E+00	0.000E+00	9.922E-08
Ni	5.067E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.067E-09

*** MAXIMUM ACUTE HAZARD INDEX BY POLLUTANT ***

POLLUTANT	PEAK CONC (ug/m3)	BACKGR (ug/m3)	TOTAL (ug/m3)	AEL (ug/m3)	HAZARD INDEX	RECEPTOR
ACROL	0.000E+00	0.000E+00	0.000E+00	1.900E-01	0.000E+00	0
BENZE	2.658E-01	0.000E+00	2.658E-01	1.300E+03	2.044E-04	1973
HCHO	5.149E+00	0.000E+00	5.149E+00	9.400E+01	5.478E-02	1973
PROX	3.298E-01	0.000E+00	3.298E-01	3.100E+03	1.064E-04	1973
TOL	9.421E-01	0.000E+00	9.421E-01	3.700E+04	2.546E-05	1973
XYLEN	3.512E-01	0.000E+00	3.512E-01	2.200E+04	1.596E-05	1973
NH3	4.343E+01	0.000E+00	4.343E+01	3.200E+03	1.357E-02	1973
As	2.091E-04	0.000E+00	2.091E-04	1.900E-01	1.101E-03	713
Cu	5.216E-04	0.000E+00	5.216E-04	1.000E+02	5.216E-06	713
FLRID	9.398E-03	0.000E+00	9.398E-03	2.400E+02	3.916E-05	713
Hg	8.352E-05	0.000E+00	8.352E-05	1.800E+00	4.640E-05	713
Ni	2.091E-04	0.000E+00	2.091E-04	6.000E+00	3.485E-05	713
SO4	4.490E+00	0.000E+00	4.490E+00	1.200E+02	3.742E-02	713

*** MAXIMUM CHRONIC EXPOSURE BY POLLUTANT FROM ALL SOURCES ***

POL.	PATHWAY DOSE (mg/kg-d) INHALE	DERMAL	SOIL	WATER	PLANTS	ANIMAL	MOT MILK	NON-INH DOSE SUM	ACCEPTABL ORAL DOSE	INH CONC (ug/m3)	BACKGR (ug/m3)	AEL (ug/m3)	H
NAPTH	5.77E-08	1.76E-08	2.77E-08	0.00E+00	2.02E-07	0.00E+00	0.00E+00	2.47E-07	4.00E-03	2.02E-04	0.00E+00	9.00E+00	8.4
ETHLB	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	2.00E+03	7.3
BUTAD	9.73E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-06	0.00E+00	2.00E+01	1.7
ACETA	3.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-02	0.00E+00	9.00E+00	1.4
ACROL	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-02	0.0
BENZE	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	6.00E+01	2.0
HCHO	6.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-02	0.00E+00	3.00E+00	7.8
NHEX	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-03	0.00E+00	7.00E+03	1.4
PROPL	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-02	0.00E+00	3.00E+03	1.7
PROX	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	0.00E+00	3.00E+01	5.0
TOL	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-03	0.00E+00	3.00E+02	1.4
XYLEN	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	0.00E+00	7.00E+02	2.2
NH3	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-01	0.00E+00	2.00E+02	9.7
DIESL	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	5.00E+00	3.1
As	5.07E-09	9.77E-10	4.62E-08	0.00E+00	1.92E-08	0.00E+00	0.00E+00	6.64E-08	3.00E-04	1.77E-05	0.00E+00	3.00E-02	8.1
Br	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	0.00E+00	1.70E+00	1.0
Cd	1.01E-08	3.91E-09	9.23E-08	0.00E+00	9.92E-08	0.00E+00	0.00E+00	1.95E-07	5.00E-04	3.55E-05	0.00E+00	2.00E-02	2.1
Cr	6.32E-09	1.22E-08	5.76E-08	0.00E+00	2.32E-08	0.00E+00	0.00E+00	9.29E-08	2.00E-02	2.21E-05	0.00E+00	2.00E-01	1.1
Cu	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	2.40E+00	1.8
FLRID	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	0.00E+00	5.90E+00	1.3
Mn	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	2.00E-01	3.1
Hg	2.02E-09	3.90E-09	1.84E-08	0.00E+00	2.28E-08	0.00E+00	0.00E+00	4.52E-08	3.00E-04	7.08E-06	0.00E+00	9.00E-02	2.2
Ni	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	5.00E-02	3.5
SO4	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-01	0.00E+00	2.50E+01	1.5
Zn	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	0.00E+00	3.50E+01	2.2

*** SUMMARY OF MAXIMUM PREDICTED RISKS ***

CANCER RISK ASSESSMENT

SIGNIFICANT RISK LEVEL = 1.000E-05
IMPACT ZONE RISK LEVEL = 1.000E-06
MAXIMUM PEAK RISK = 3.746E-06
PREDICTED AT RECEPTOR # 938
TOTAL EXCESS BURDEN = 0.000E+00

0 RECEPTORS WITH RISK EXCEEDING SIGNIFICANT RISK LEVEL OF 1.000E-05

ACUTE EXPOSURE TO NON-CANCER POLLUTANTS

SIGNIFICANT HAZARD INDEX = 1.0000
MAXIMUM HAZARD INDEX FOR AN ENDPOINT = 0.0739
PREDICTED AT RECEPTOR # 1973

0 RECEPTORS WITH HAZARD INDEX .GE. 1.0000 FOR ONE OR MORE TOXICOLOGICAL ENDPOINTS

CHRONIC EXPOSURE TO NON-CANCER POLLUTANTS

SIGNIFICANT HAZARD INDEX = 1.0000
MAXIMUM HAZARD INDEX FOR AN ENDPOINT = 0.0191
PREDICTED AT RECEPTOR # 938

0 RECEPTORS WITH HAZARD INDEX .GE. 1.0000 FOR ONE OR MORE TOXICOLOGICAL ENDPOINTS