Harding Lawson Associates

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June 6, 1995

26005.F21.816

Mr. C.H. Fancy, P.E.
Chief
Bureau of Air Regulation
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Request for Permit Amendment
Foamex L.P.
Permit No. AC48-214902

Dear Mr. Fancy:

This letter is to request an amendment to Construction Permit AC48-214902, recently issued to Foamex L.P. This letter presents a summary of the requested changes to the Specific Conditions 2, 3 and 4 issued by FDEP.

As discussed in the following comments and as stated in these attachments, the calculated maximum ground level concentrations for methylene chloride, toluene diisocayanate, or 1,1,1-trichloroethane based on the requested changes in Specific Conditions 2, 3 and 4 remain below the FDEP Acceptable Ambient Air Concentrations (AAAC). In addition, the requested changes do not result in any increase in annual emissions as calculated in the original application.

Should you have any questions or comments regarding this information, please do not hesitate to contact Ms. Kay Rykowski or Mr. Joe Tessitore at (407) 851-1484.

I told her everything is OK
Isopropyl alcohol OK
using very little of it b/c

Yours Very Truly,

HARDING LAWSON ASSOCIATES

Patricia Kay Rykowski

Patricia Kay Rykowski
Senior Engineer

Joseph L. Tessitore, P.E.
Managing Principal

cc: Mr. Arthur Pereira, Foamex L.P.
Mr. Doug Terrill, Foamex, L.P.

Attachments:
A - Revised Pages of Volume I of Original Permit Application
B - Revised Pages of Volume II: Dispersion Modeling Analysis of Original Permit Application
C - Output Listings from Revised Modeling (appendixes D, E, G, H, & J of Volume II of Original Permit Application

PKR/JLT/slw
SC071795.KR1

Isopropyl Alc
18.X8 = 14.8 lbs/mo
1776 lbs/yr
< 1 TPY incr.

COMMENT 1

Foamex requests an increase in the amount of isopropyl alcohol allowed for use as a cleanup solvent. The requested change in Specific Condition 2 is provided below:

From:

2. The chemicals used at this facility shall not exceed the following quantities during any 12 month period: 513,090 lbs/yr (256.6 TPY) methylene chloride; 1,000,000 lbs/yr (500 TPY) polymer; 15,000,000 lbs/yr (7,500 TPY) polyol; and 10,000,000 lb/yr (5,000 TPY) toluene diisocyanate. Cleanup solvent losses shall not exceed: 2 gallons/month isopropyl alcohol; 5,770 lbs/yr 1,1,1-trichloroethane with silicone lubricant; and, 1,000 lbs/yr mineral spirits.

To: only Δ is 2 to 20 isopropyl

2. The chemicals used at this facility shall not exceed the following quantities during any 12 month period: 513,090 lbs/yr (256.6 TPY) methylene chloride; 1,000,000 lbs/yr (500 TPY) polymer; 15,000,000 lbs/yr (7,500 TPY) polyol; and 10,000,000 lbs/yr (5,000 TPY) toluene diisocyanate. Cleanup solvent losses shall not exceed: 20 gallons/month isopropyl alcohol; 5,770 lbs/yr 1,1,1-trichloroethane with silicone lubricant; and 1,000 lbs/yr mineral spirits.

There is no other increase in em from this facility

COMMENT 2

Foamex requests a change in the maximum operating times stated in Specific Condition 3 for the Slabstock Process, Rebond Process and Foam Fabrication Operations at the facility. The daily Slabstock Process operation is requested to be increased from 3 hrs/day to 6 hrs/day and the daily Foam Fabrication operation is requested to be increased from 16 hrs/day to 24 hrs/day. The weekly Slabstock Process operation is requested to be increased from 5 days/wk to 7 days/wk, the weekly Foam Fabrication operations is requested to be increased from 6 days/wk to 7 days/wk, and the weekly Rebond Process operation is requested to be increased from 6 days/wk to 7 days/day. These changes are requested to provide for greater flexibility in production scheduling, and to allow for production of high density foam grades.

Incr. in TDI

The requested increases in operating times for the Slabstock Process and Rebond Process result in an increase of the annual emission rates of TDI for each process. The requested increase in operating time for the Foam Fabrication Operations does not result any increase in annual emissions.

The requested increase in the operating time for Slabstock Process results in an increase in the 8-hour and 24-hour average emission rates of TDI from the Foam Line Stack and Long Bun Storage Room Stack (Source Numbers 1 and 2, respectively) used in the dispersion modeling analysis. The requested increase in the operating time for Foam Fabrication Operations results in an increase in the 24-hour average emission rates of methylene chloride and 1,1,1-trichloroethane from facility exhaust fans (Source Number 3 through 21) used in the dispersion modeling analysis.

In addition to the requested increases in operating hours Foamex has increased the daily methylene chloride usage for the Slabstock Process from 4,779 lb/day to 14,000 lb/day. This increase results in an increase in the 8-hour and 24-hour average emission rates of methylene chloride used in the dispersion

polyurethane foam manuf. in Orlando

modeling analysis. This increase in daily methylene chloride usage has no impact on the annual methylene chloride limit of 513,090 lb/yr.

HLA/CTA has revised the dispersion modeling analysis to account for the increased emission rates. The revised pages of "Volume II: Dispersion Modeling Analysis" of the permit application along with the output listings from the revised modeling analysis (Appendixes D, E, G, H, and J of Volume II) are attached. The results of the revised analysis, presented below, show that the maximum ground level concentrations for each pollutant are all at least 10% below the applicable FDEP AAAC's.

Compound	Averaging Time	Revised Maximum ISCST2 Ground Level Concentration ($\mu g/m^3$)	FDEP AAAC ($\mu g/m^3$)
Methylene Chloride	8-hour	1,514.6	1,740
	24-hour	247.8	417.6
	Annual	1.9*	2.1
Toluene Diisocyanate	8-hour	0.29	0.36
	24-hour	0.04	0.0864
1,1,1,-Trichloroethane	8-hour	7.5*	38,200
	24-hour	4.6	9,168

*Not affected by proposed changes

The requested change in Specific Condition 3 is provided below.

From:

3. Maximum operation times for each operation at this facility are:

Operation	hr/day	days/week	weeks/year	hrs/year
Slabstock Process	3	5	52	780
Rebond Process	24	6	52	7488
Foam Fabrication Operations	16	6	52	4992
Tank Storage	24	7	52	8760
Steam Boiler	24	7	52	8760
Environmental Heating				400

The permittee shall maintain a log to show compliance with this condition. The log shall be kept for a minimum of 5 years and made available for Department inspection upon request.

To:

3. Maximum operation times for each operation at this facility are:

Operation	hr/day	days/week	weeks/year	hrs/year
Slabstock Process	6	7	52	2184
Rebond Process	24	7	52	8760
Foam Fabrication Operations	24	7	52	8760
Tank Storage	24	7	52	8760
Steam Boiler	24	7	52	8760
Environmental Heating				400

The permittee shall maintain a log to show compliance with this condition. The log shall be kept for a minimum of 5 years and made available for Department inspection upon request.

COMMENT 3

As a result of the issues addressed in Comment 1, Foamex requests a modification of the estimated emissions stated in Specific Condition 4. The requested changes in Specific Condition 4 are provided below:

From:

4. For inventory purposes, the estimated emissions from this facility (based on the emissions factors listed in the application, the limitations on operation time, and chemical usage) are:

AVERAGE EMISSIONS FROM SIX OPERATIONS:

	lbs/hr	TPY
methylene chloride	1,519.11	261.03
1,1,1-trichloroethane	2.5	1.86
toluene diisocyanate	0.3746	0.157

MAXIMUM POTENTIAL EMISSIONS FROM INDIVIDUAL OPERATIONS ARE ESTIMATED TO BE:

Operation/chemical		Emissions lbs/hr	Emissions TPY
I.	Slabstock Polyurethane Foam Production		
	a) toluene diisocyanate	0.37	0.14
	b) Foam Line Stack		
	methylene chloride	955.8	153.93
	c) Long Bun Storage Room Stack		
	methylene chloride	557.55	89.79
II.	Foam Fabric Operations	5.1	14.41
	methylene chloride	2.5	1.86
	1,1,1-trichloroethane		
III.	Rebond Polyurethane Foam Production		
	toluene diisocyanate	0.0046	0.017
IV.	Tank Storage (Tank No. 10)		
	methylene chloride	0.66	2.92
V.	Steam Boiler	Trace amounts of the normal production products of combustion (less than 1 lb/hr of all pollutants)	
VI.	Environmental Heating	Trace amounts of the normal products of combustion (less than 1 lb/hr of all pollutants)	

OK

To:

4. For inventory purposes, the estimated emissions from this facility (based on the emissions factors listed in the application, the limitations on operation time, and chemical usage) are:

AVERAGE EMISSIONS FROM SIX OPERATIONS:

	lbs/hr	TPY
methylene chloride	2,222.43	261.03
1,1,1-trichloroethane	2.5	1.86
toluene diisocyanate	0.3746	0.424
	2225.3	

MAXIMUM POTENTIAL EMISSIONS FROM INDIVIDUAL OPERATIONS ARE ESTIMATED TO BE:

Operation/chemical		Emissions lbs/hr	Emissions TPY
I.	Slabstock Polyurethane Foam Production		
	a) toluene diisocyanate	0.37	0.404
	b) Foam Line Stack methylene chloride	1,400	153.93
	c) Long Bun Storage Room Stack methylene chloride	816.67	89.79
II.	Foam Fabric Operations		
	methylene chloride	5.1	14.41
	1,1,1-trichloroethane	2.5	1.86
III.	Rebond Polyurethane Foam Production		
	toluene diisocyanate	0.0046	0.02
IV.	Tank Storage (Tank No. 10)		
	methylene chloride	0.66	2.92
V.	Steam Boiler	Trace amounts of the normal production products of combustion (less than 1 lb/hr of all pollutants)	
VI.	Environmental Heating	Trace amounts of the normal products of combustion (less than 1 lb/hr of all pollutants)	

2225.3

product is then bonded to a polyethylene film. Finally the foam sheet product is cut to length and packaged into rolls, per customer order.

The TDI emissions from the Rebond process are currently vented to the atmosphere through two identical 1,000 CFM exhaust fans located in the ceiling directly above the process. These two exhaust fans will be increased in size to 15,000 CFM each and will be fitted with extensions to increase the their stack heights to 53 feet above ground level.

2.2.3 Tank Storage

The Foamex facility includes eleven above ground storage tanks for receiving and holding of the various raw materials used in the foam production processes. Table 3.3 provides a summary of the tanks, dimensions and products stored. Only one tank, Tank 10, is used for storage of methylene chloride. Foamex proposes to install a pressure relief valve on Tank 10 to minimize standing losses of methylene chloride. No physical or operational changes to the remaining storage tanks are proposed.

2.2.4 Steam Boiler

Foamex operates a natural gas fired industrial boiler rated at 100 HP. This boiler is used to convert an average of 1,570 gallons of water to steam each day for use in the Rebond process. No changes to the operation of the steam boiler are proposed.

2.2.5 Environmental Heating

There are thirteen indirect natural gas fired heaters existing at the Foamex facility. Of these, nine are used as needed during the winter months for heating the manufacturing and administrative areas of the facility. It is estimated that these heaters operate less than 400 hours per year. The remaining four heaters are not operational. Table 3.4 provides a listing of the individual heaters and the rated capacity of each heater.

2.2.6 Foam Fabrication Operations

During foam fabrication operations, the foam buns manufactured during the Slabstock process are cut to size, assembled, and glued according to customer specifications. The fabrication operations take place throughout the facility, except for the long bun storage room. Approximately 3.1 lbs/hr of glue is used during these operations. Foamex primarily uses methylene chloride based glue in the foam fabrication operations, but may also occasionally use 1,1,1-trichloroethane based glue. The methylene chloride based glue has a maximum methylene chloride content of 70% by weight. The 1,1,1-trichloroethane based glue has a maximum concentration of 1,1,1-trichloroethane of 81% by weight. The emissions from the gluing process are vented to the atmosphere through the seventeen exhaust fans located in the ceiling throughout the facility, which will be modified as part of the proposed enhanced collection and dispersion system as described in Section 2.2.1.

2.3 Requested Permitted Operating Time

For the processes and supporting operations discussed above, the requested hours of operation in the permit application are as follows:

- Slabstock Polyurethane Foam Production: 6 hrs/day; 7 days/wk; 52 wks/yr;

- Rebond Polyurethane Foam Production: 24 hrs/day, 7 days/wk, 52 wks/yr;
- Tank Storage: 24 hrs/day, 7 days/wk, 52 wks/yr;
- Steam Boiler: 24 hrs/day, 7 days/wk, 52 wks/yr;
- Environmental Heating: 400 hrs/yr; and
- Foam Fabrication Operations: 24 hrs/day, 7 days/wk, 52 wks/yr.

Table 2.1. Summary of Emission Sources
Foamex, L.P. - Orlando, Florida

Process Emission Source	Emission Point Number	Description
Slabstock Polyurethane Foam Production	1	Foam Line Stack
Slabstock Polyurethane Foam Production	2	Long Bun Storage Room Stack
Slabstock Foam Production/Foam Fabrication Operations	3	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	4	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	5	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	6	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	7	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	8	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	9	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	10	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	11	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	12	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	13	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	14	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	15	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	16	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	17	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	18	Exhaust Fan
Slabstock Foam Production/Foam Fabrication Operations	19	Exhaust Fan
Rebond Polyurethane Foam Production	20	Rebond Exhaust Fan
Rebond Polyurethane Foam Production	21	Rebond Exhaust Fan
Tank Storage	22	Tank #10
Steam Boiler	23	Boiler Stack
Environmental Heating	24	Natural Gas Heaters

3.0 PROCESS RATE AND EMISSION CALCULATIONS

3.1 Process Input Rate/Product Weight

3.1.1 Slabstock Foam Production

The Slabstock process, as described in Section 2.2.1 of this application, involves the mixture of various raw materials, the exact proportions of which are determined according to the desired product specifications. This process is a batch operation; each batch is referred to as a "pour". Pours can be of various durations, ranging up to six hours each. A summary of the process input and production rates for a typical pour are provided in Table 3.1.

Table 3.1. Slabstock Polyurethane Foam Production Process Rates
Foamex, L.P. - Orlando, Florida

Substance	Process Input Rate (lbs/hr)	Production Rate (lbs/hr)
Process Chemicals:		
Polyol	24,000	0
TDI	13,420	0
Amine Catalyst	79	0
Tin Catalyst	58	0
Water	1,068	0
Surfactant	180	0
Blowing Agent:		
Methylene Chloride	1,320	1,320 *
Product:		
Foam Product	0	36,199
Other Emissions:		
Carbon Dioxide	0	2,606

* 95% emitted throughout pour and cure periods; remaining 5% is emitted after foam buns leave the Long Bun Storage Room during foam fabrication operations.

It is important to note that the process input rate of primary importance from a regulatory standpoint is that of methylene chloride. While the values stated above represent a typical pour, the following analysis provides the basis for the maximum short term (hourly) methylene chlroide usage.

To calculate the maximum hourly usage rate of methylene chloride it is necessary to define the "worst case" maximum daily usage of methylene chloride. The "worst case" maximum daily methylene chloride usage is 14,000 lbs/day.

The maximum hourly usage rate of methylene chloride is then calculated as follows:

Maximum hourly usage = 14,000 lb/day ÷ 6 hr/day = 2,333.33 lb/hr

The maximum annual usage of methylene chloride at the facility will be limited to 513,090 lbs/yr.

3.1.2 Rebond Polyurethane Foam Production

A summary of the typical material input and production rates for the Rebond process are provided in Table 3.2.

Table 3.2. Rebond Polyurethane Foam Production Process Rates
Foamex, L.P. - Orlando, Florida

Substance	Process Input Rate (lbs/hr)	Production Rate (lbs/hr)
Raw Materials:		
Scrap Foam	5,608	0
Polyol	459	0
TDI	164	0
Product:		
Rebond Foam Product	0	6,231

3.1.3 Tank Storage

As stated previously in Section 2.2.3 of this application, the Foamex facility includes eleven above ground storage tanks. The current estimated maximum annual material throughput for each tank is shown in Table 3.3 below.

Maximum annual methylene chloride emissions = 513,090 lbs/yr ÷ 2,000 lbs/ton
= 256.55 tons/yr

The values shown above represent the total methylene chloride emissions from the slabstock foam production process. However, these emissions are distributed between each of the two stacks serving the process, the Foam Line Stack and the Long Bun Storage Room Stack, and the seventeen exhaust ceiling exhaust fans serving the Foam Fabrication Operations area. Both short term and long term emission rates must be calculated for the Foam Line Stack and Long Bun Storage Room Stack. Emissions calculations for the Foam Fabrication Operations are included under that heading in Section 3.2.6. Long term or annual emissions from the Foam Line and Long Bun Storage Room can be calculated by multiplying the distribution factors for each (60% and 35%, respectively) by the total maximum annual emissions specified above.

Foam Line Stack:

Maximum annual methylene chloride emissions = 513,090 lbs/yr x 0.60
= 307,854 lb/yr

Maximum annual methylene chloride emissions = 307,854 lbs/yr ÷ 2,000 lbs/ton
= 153.93 tons/yr

Long Bun Storage Room Stack:

Maximum annual methylene chloride emissions = 513,090 lbs/yr x 0.35
= 179,581.5 lb/yr

Maximum annual methylene chloride emissions = 179,581.5 lbs/yr ÷ 2,000 lbs/ton
= 89.79 tons/yr

The first step in developing an estimate of the maximum hourly emission rate for the Foam Line and Long Bun Storage Room is to define the "worst case" maximum daily methylene chloride usage. For this purpose, the "worst case" daily usage of methylene chloride, as defined in Section 3.1.1 of this application, is 14,000 lbs/day over six hours of operation (2,333.33 lb/hr). Assuming that 60% of this quantity is released during the pour period in the foam line enclosure as the foam travels along the process line conveyor before it reaches the Long Bun Storage Room, the Foam Line Stack emits a total of 8,400 pounds of methylene chloride over the six hour pour period. As the buns enter the Long Bun Storage Room, the remaining methylene chloride which is contained in the foam material begins to be released. Assuming that 35% of the methylene chloride used during the pour is released in the Long Bun Storage Room during the cure period, a total of 4,900 pounds of methylene chloride is emitted from the Long Bun Storage Room Stack. The 5% (700 pounds) of the methylene chloride remaining after the cure period in the foam product after it is removed from the Long Bun Storage Room is emitted seventeen exahust fans located throughout the rest of the facility during the foam fabrication operations.

As stated previously, the Long Bun Storage Room emissions decay at an exponential rate over the foam cure period. Appendix A provides a detailed analysis of the actual emission rate profile for the Long Bun Storage Room. However, for emission calculation purposes, a more simple approach representing a worst case scenario is used. This approach ignores the decay profile and the foam cure period and instead assumes that the total quantity of emissions is released at a steady rate during the pour period only. Because the length of the pour period is shorter than the cure period, the resulting maximum short term emission rate is higher.

Thus, this approach represents a worst case scenario. The following provides a simple summary of this mass balance.

Maximum methylene chloride usage	= 14,000 lbs
Maximum Foam Line Stack methylene chloride emissions	= 8,400 lbs
Maximum Long Bun Storage Room Stack methylene chloride emissions	= 4,900 lbs
Maximum methylene chloride emissions from seventeen exhaust fans	= 700 lbs
Maximum Total methylene chloride emissions	= 14,000 lbs

Using the worst case assumption that the total emissions for both the Foam Line Stack and Long Bun Storage Room Stack occur during the three hour pour period, the maximum hourly emission rates are calculated as follows:

Foam Line Stack:

Maximum hourly methylene chloride emissions	= 8,400 lbs ÷ 6 hrs = 1,400 lb/hr

Long Bun Storage Room Stack:

Maximum hourly methylene chloride emissions	= 4,900 lbs ÷ 6 hrs = 816.67 lb/hr

As stated above, emissions from the seventeen exhuast fans during foam fabrication operations are included under the heading Foam Fabrication Operations in Section 3.2.6.

3.2.1.2 Toluene Diisocyanate

As stated above, the Slabstock process involves the mixture of various process chemicals along with an auxiliary blowing agent to produce polyurethane foam. The calculations presented above provide an estimate of the emissions of the auxiliary blowing agent, methylene chloride. All of the methylene chloride used is volatilized and thus emitted from the process. The remaining process chemicals listed in the mass balance, shown in Section 3.1.1, combine to form the foam product. In 1991, Foamex conducted a stack test for emissions of methylene chloride and toluene diisocyanate (TDI). The test results, included in Appendix B, revealed that a small quantity of TDI is emitted from the process. Table 3.5 provides a summary of the test results.

Table 3.5. TDI Emissions Test Summary
Foamex, L.P. - Orlando, Florida

	TDI Isomer Emissions (lb/hr)		
	2,4-TDI	2,6-TDI	Total
Run 1	0.10	0.27	0.37
Run 2	0.04	0.10	0.14
Run 3	0.07	0.15	0.22
Average	0.07	0.17	0.24

Based on the highest results for a single run, the maximum TDI emissions are 0.37 lbs/hr. The maximum operating schedule of the Slabstock process is specified in Section 2.3 of this application as 6 hrs/day, 7 days/wk, 52 wks/yr. Therefore, the maximum annual hours during which TDI emissions occur based on the hours of operation is 2,184 hrs/yr. Therefore, the annual emissions of TDI are be calculated as follows:

Maximum hourly emission rate = 0.37 lbs/hr ✓

Maximum annual emissions = (0.37 lbs/hr) x (2,184 hrs/yr) ÷ (2000 lbs/ton)
= 0.404 tons/yr

3.2.2 Rebond Polyurethane Foam Production

The TDI emissions estimated above for the Slabstock process are due to due evaporation of the chemical during its use. Although no testing has been conducted, it is assumed that similar emissions are generated from the Rebond process. To estimate the quantity of TDI emissions from the Rebond process, an emission factor was developed based on the maximum hourly emission rate and the typical TDI usage rate specified in section 3.2.1 for the Slabstock process. This emission factor can then be applied to the TDI usage rate for the Rebond process to obtain the emission rate. This emission rate is calculated as follows:

TDI emission factor = (0.37 lbs/hr emissions) ÷ (13,420 lbs/hr usage)
= 0.000028 lbs/lb

Maximum hourly Rebond process TDI emission rate = 0.000028 lbs/lb x 164 lbs/hr
= 0.0046 lbs/hr ✓

Using the maximum operating schedule for the Rebond process of 24 hrs/day, 7 days/wk, 52 wks/yr (8,760 hrs/yr), the maximum annual emissions are calculated as follows:

Maximum annual Rebond process TDI emissions = 0.0046 lbs/hr x 8,760 hrs/yr
= 40.296 lbs/yr
= 0.02 tons/yr

3.2.3 Tank Storage

Appendix C provides detailed reports of emissions calculations for Tank 10, the methylene chloride storage tank. These reports were generated using EPA's TANKS Storage Tank Emissions Calculation Software,

Table 3.8. Emissions Summary
Foamex, L.P. Orlando Facility

Contaminant	Emission Source	Emissions[1] Maximum (lbs/yr)	Emissions[1] Actual (T/yr)	Allowed[2] Emission Rate per Rule 17-2	Allowable[3] Emissions (lbs/hr)	Potential[4] Emissions (lbs/hr)	Potential[4] Emissions (T/yr)
Methylene Chloride	Slabstock Process	2216.67	243.72	N/A	N/A	2216.67	243.72
	Tank Storage	0.66	2.9	N/A	N/A	0.66	2.9
	Foam Fabrication	5.1	14.41	N/A	N/A	5.1	14.41
	Subtotal	2222.43	261.03	N/A	N/A	2222.43	261.03
1,1,1-Trichloroethane	Foam Fabrication	2.5	1.86	N/A	N/A	2.5	1.86
	Subtotal	2.5	1.86	N/A	N/A	2.5	1.86
Toluene Diisocyanate	Slabstock Process	0.37	0.404	N/A	N/A	0.37	0.404
	Rebond Process	0.0046	0.02	N/A	N/A	0.0046	0.02
	Subtotal	0.3746	0.424	N/A	N/A	0.3746	0.424
Particulate	Steam Boiler	0.021	0.092	N/A	N/A	0.021	0.092
	Environmental Heating	0.00925	0.00185	N/A	N/A	0.00925	0.00185
	Subtotal	0.03025	0.09385	N/A	N/A	0.03025	0.09385
Sulfur Dioxide	Steam Boiler	0.0025	0.011	N/A	N/A	0.0025	0.011
	Environmental Heating	0.00111	0.000222	N/A	N/A	0.00111	0.000222
	Subtotal	0.00361	0.011222	N/A	N/A	0.00361	0.011222
Nitrogen Oxides	Steam Boiler	0.59	2.58	N/A	N/A	0.59	2.58
	Environmental Heating	0.259	0.0518	N/A	N/A	0.259	0.0518
	Subtotal	0.849	2.6318	N/A	N/A	0.849	2.6318
Carbon Monoxide	Steam Boiler	0.147	0.64	N/A	N/A	0.147	0.64
	Environmental Heating	0.06475	0.01295	N/A	N/A	0.06475	0.01295
	Subtotal	0.21175	0.65295	N/A	N/A	0.21175	0.65295
Total Hydrocarbons	Steam Boiler	0.013	0.055	N/A	N/A	0.013	0.055
	Environmental Heating	0.00555	0.00111	N/A	N/A	0.00555	0.00111
	Subtotal	0.01855	0.05611	N/A	N/A	0.01855	0.05611

1. See Section V, Item 2 (Application Section 3.2)
2. Reference applicable emission standards and units (e.g. Rule 17-2.6000(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)
3. Calculated from operating data and applicable standard.
4. Emission, if source operated without control (See Section V Item 3).

2.5 Environmental Heating

There are thirteen indirect natural gas fired heaters existing at the Foamex facility. Of these, nine are used as needed during the winter months for heating the manufacturing and administrative areas of the facility. It is estimated that these heaters operate less than 400 hours per year. The remaining four heaters are not operational. Table 2 provides a listing of the individual heaters and the rated capacity of each heater. Emissions from the heaters are not addressed in this dispersion modeling analysis.

2.6 Foam Fabrication Operations

During foam fabrication operations, the foam buns manufactured during the Slabstock process are cut to size, assembled, and glued according to customer specifications. The fabrication operations take place throughout the facility, except for the long bun storage room. Approximately 3.1 lbs/hr of glue is used during these operations. Foamex primarily uses methylene chloride based glue in the foam fabrication operations, but may also occasionally use 1,1,1-trichloroethane based glue. The methylene chloride based glue has a maximum methylene chloride content of 70% by weight. The 1,1,1-trichloroethane based glue has a maximum concentration of 1,1,1-trichloroethane of 81% by weight. The emissions of methylene chloride and 1,1,1-trichloroethane from the gluing process are analyzed in this dispersion modeling analysis. The emissions from the gluing process are vented to the atmosphere through the seventeen exhaust fans located in the ceiling throughout the facility, which will be modified as part of the proposed enhanced collection and dispersion system as described in Section 2.1.

2.7 Requested Permitted Operating Time

For the processes and supporting operations discussed above, the requested hours of operation in the permit application are as follows:

- Slabstock Polyurethane Foam Production: 6 hrs/day; 7 days/wk; 52 wks/yr;
- Rebond Polyurethane Foam Production: 24 hrs/day, 7 days/wk, 52 wks/yr;
- Tank Storage: 24 hrs/day, 7 days/wk, 52 wks/yr;
- Steam Boiler: 24 hrs/day, 7 days/wk, 52 wks/yr;
- Environmental Heating: 400 hrs/yr; and
- Foam Fabrication Operations: 24 hrs/day, 7 days/wk, 52 wks/yr.

13.0 EMISSION RATES

Maximum hourly and daily usage rates were used to calculate the 8-hour and 24-hour average emission rates for each compound listed in Table 6. The maximum annual usage of methylene chloride was used to calculate the annual average emission rates of methylene chloride from the facility. The calculation of the emission rates used in the analysis is shown below and summarized in Table 7.

Compounds modeled:

Methylene Chloride
Toluene Diisocyanate (TDI)
1,1,1-Trichloroethane

Slabstock Foam Production Methylene Chloride emission distribution:

Foam Line Stack	=	60%
Long Bun Storage Room Stack	=	35%
17 Exhaust Fans	=	5%

It is assumed that the 17 exhaust fans' emissions are equally distributed among all 17 exhaust fans.

Maximum daily slabstock foam production hours of operation = 6.0 hr/day

Maximum daily slabstock foam production methylene chloride usage = 14,000 lb/day

8-hour average slabstock foam production methylene chloride emission rate = 14,000 lb/day ÷ 8 hr/day
= 1,750.0 lb/hr

Distributed 8-hour average slabstock foam production methylene chloride emission rates:

Foam Line Stack	=	1,750.0 lb/hr x 60%	=	1,050.0 lb/hr
Long Bun Storage Room Stack	=	1,750.0 lb/hr x 35%	=	612.5 lb/hr
17 Exhaust Fans	=	1,750.0 lb/hr x 5%	=	87.5 lb/hr

Maximum hourly glue usage rate = 3.1 lb/hr

Maximum methylene chloride content of glue = 70%

Maximum hourly gluing process methylene chloride emission rate = 3.1 lb/hr x 70% = 2.17 lb/hr

Maximum daily foam fabrication hours of operation = 24.0 hr/day

8-hour average gluing process methylene chloride emission rate:

17 Exhaust Fans	=	2.17 lb/hr x 8 hr/day ÷ 8 hr/day	=	2.17 lb/hr

Distributed 8-hour average total methylene chloride emission rates:

Foam Line Stack	=	1,050.0 lb/hr		
Long Bun Storage Room Stack	=	612.5 lb/hr		
17 Exhaust Fans	=	87.5 lb/hr + 2.17 lb/hr	=	89.67 lb/hr
Each Exhaust Fan	=	89.67 lb/hr ÷ 17	=	5.2747 lb/hr

24-hour average slabstock foam production methylene chloride emission rate = 14,000 lb/day ÷ 24 hr/day
= 583.333 lb/hr

Distributed 24-hour average slabstock foam production methylene chloride emission rates:

Foam Line Stack	=	583.333 lb/hr x 60%	=	350.0 lb/hr
Long Bun Storage Room Stack	=	583.333 lb/hr x 35%	=	204.167 lb/hr
17 Exhaust Fans	=	583.333 lb/hr x 5%	=	29.167 lb/hr

24-hour average gluing process methylene chloride emission rate:

17 Exhaust Fans	=	2.17 lb/hr x 24 hr/day ÷ 24 hr/day	=	2.17 lb/hr

Distributed 24-hour average total methylene chloride emission rates:

Foam Line Stack	=	350.0 lb/hr		
Long Bun Storage Room Stack	=	204.167 lb/hr		
17 Exhaust Fans	=	29.167 lb/hr + 2.17 lb/hr	=	31.337 lb/hr
Each Exhaust Fan	=	31.337 lb/hr ÷ 17	=	1.843 lb/hr

Maximum annual slabstock foam production methylene chloride usage = 513,090 lb/yr

Annual slabstock foam production average methylene chloride emission rate = 513,090 lb/yr ÷ 8,760 hr/yr
= 58.572 lb/hr

Distributed annual slabstock foam production average methylene chloride emission rates:

Foam Line Stack	=	58.572 lb/hr x 60%	=	35.1432 lb/hr
Long Bun Storage Room Stack	=	58.572 lb/hr x 35%	=	20.5002 lb/hr
17 Exhaust Fans	=	58.572 lb/hr x 5%	=	2.9286 lb/hr

Maximum annual glue usage = 4,600 lb/yr

Annual gluing process average methylene chloride emission rate = 4,600 lb/yr x 70% ÷ 8,760 hr/yr
= 0.3676 lb/hr

Distributed annual average total methylene chloride emission rates:

Foam Line Stack	=	35.1432 lb/hr	
Long Bun Storage Room Stack	=	20.5002 lb/hr	
17 Exhaust Fans	=	2.9286 lb/hr + 0.3676 lb/hr	= 3.2962 lb/hr
Each Exhaust Fan	=	3.2962 lb/hr ÷ 17	= 0.19389 lb/hr

Maximum slabstock foam production TDI emission rate = 0.37 lb/hr

Maximum daily slabstock foam production hours of operation = 6.0 hr/day

Maximum daily slabstock foam production TDI emissions = 0.37 lb/hr x 6.0 hr/day = 2.22 lb/day

TDI emission factor = 0.000028 lb emitted/lb used

Maximum hourly rebond process TDI usage rate = 164 lb/hr

Maximum hourly rebond process TDI emission rate = 164 lb/hr x 0.000028 lb/lb = 0.0046 lb/hr

Maximum daily rebond process hours of operation = 24.0 hr/day

8-hour average TDI emission rates:

Foam Line Stack	=	2.22 lb/day ÷ 8 hr/day	= 0.2775 lb/hr
2 Rebond Exhaust Fans	=	0.0046 lb/hr x 8 hr/day ÷ 8 hr/day	= 0.0046 lb/hr
Each Rebond Exhaust Fan	=	0.0046 lb/hr ÷ 2	= 0.0023 lb/hr

24-hour average TDI emission rates:

Foam Line Stack	=	2.22 lb/day ÷ 24 hr/day	= 0.0925 lb/hr
2 Rebond Exhaust Fans	=	0.0046 lb/hr x 24 hr/day ÷ 24 hr/day	= 0.0046 lb/hr
Each Rebond Exhaust Fan	=	0.0023 lb/hr ÷ 2	= 0.0023 lb/hr

Maximum hourly glue usage rate = 3.1 lb/hr

Maximum 1,1,1-trichloroethane content of glue = 81%

Maximum hourly 1,1,1-trichloroethane emission rate = 3.1 lb/hr x 81% = 2.5 lb/hr

Maximum daily foam fabrication hours of operation = 24.0 hr/day

8-hour average 1,1,1-trichloroethane emission rates:

17 Exhaust Fans	=	2.5 lb/hr x 8 hr/day ÷ 8 hr/day	= 2.5 lb/hr
Each Exhaust Fan	=	2.5 lb/hr ÷ 17	= 0.14706 lb/hr

24-hour average 1,1,1-trichloroethane emission rates:

17 Exhaust Fans	=	2.5 lb/hr x 24 hr/day ÷ 24 hr/day	= 2.5 lb/hr
Each Exhaust Fan	=	2.5 lb/hr ÷ 17	= 0.14706 lb/hr

Table 7. Emission Rates
Foamex, L.P. - Orlando, Florida

		Emission Rates for Compounds Modeled						
		Methylene Chloride			Toluene Diisocyanate		1,1,1-Trichloroethane	
Source Number	Source Description	8-hour (lb/hr)	24-hour (lb/hr)	Annual (lb/hr)	8-hour (lb/hr)	24-hour (lb/hr)	8-hour (lb/hr)	24-hour (lb/hr)
1	Foam Line Stack	1,050.0	350.0	35.1432	0.2775	0.0925	0.0	0.0
2	Long Bun Storage Room Stack	612.5	204.167	20.5002	0.0	0.0	0.0	0.0
3	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
4	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
5	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
6	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
7	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
8	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
9	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
10	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
11	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
12	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
13	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
14	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
15	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
16	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
17	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
18	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
19	Exhaust Fan	5.2747	1.843	0.19389	0.0	0.0	0.14706	.14706
20	Rebond Exhaust Fan	0.0	0.0	0.0	0.0023	0.0023	0.0	0.0
21	Rebond Exhaust Fan	0.0	0.0	0.0	0.0023	0.0023	0.0	0.0

14.0 RESULTS

The ISCST2 modeling was conducted for each compound and each averaging using the emission rates presented in Section 13.0. The overall maximum ground level concentrations from the ISCST2 modeling for each case are presented in Table 8 below. The output listings for each case are presented in Appendixes D through J. For comparison, Table 8 also shows the applicable FDEP AAAC's for each compound and averaging time. For the 8-hour and 24-hour averaging times for each compound the maximum ground level concentrations are less than 90% of the applicable FDEP AAAC's. The resulting maximum annual ground level concentration for methylene chloride is 1.9 $\mu g/m^3$, which is approximately 10% below the FDEP annual AAAC for methylene chloride of 2.1 $\mu g/m^3$. Therefore, based on the results of this dispersion modeling analysis, the emissions from the Foamex facility comply with FDEP's request that concentrations resulting from facility emissions be approximately 10% below FDEP's AAAC's.

Table 8. ISCST2 Modeling Results and Comparison with FDEP AAAC's
Foamex, L.P. - Orlando, Florida

Compound	Averaging Time	Maximum ISCST2 Ground Level Concentration ($\mu g/m^3$)	FDEP AAAC ($\mu g/m^3$)
Methylene Chloride	8-hour	1,514.6	1,740
	24-hour	247.8	417.6
	Annual	1.9	2.1
Toluene Diisocyanate	8-hour	0.29	0.36
	24-hour	0.04	0.0864
1,1,1-Trichloroethane	8-hour	7.5	38,200
	24-hour	4.6	9,168

APPENDIX D

ISCST2 OUTPUT LISTING

METHYLENE CHLORIDE 8-HOUR AVERAGE EMISSIONS

RUN: FMXMC8

ISCST2 - (DATED 93109)

IBM-PC VERSION (2.11) ISCST2F
(C) COPYRIGHT 1992, TRINITY CONSULTANTS, INC.
SERIAL NUMBER 10573 SOLD TO CROSS, TESSITORE & ASSOC.

Run Began on 4/25/1995 at 11:03:51

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*** TRINITY SOURCE FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXSRC.PNT
*** TRINITY DOWNWASH FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXBPIP.WAK
*** TRINITY RECEPTOR FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXREC.REC
CO STARTING
CO TITLEONE Foamex - 125 ft Foam Line & LBSR Stacks (GEP), 53 ft Exhaust Stacks
CO TITLETWO Methlyene Chloride 8-hr Average Emissions
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME 8
CO POLLUTID MC_8
CO TERRHGTS FLAT
CO ELEVUNIT FEET
CO RUNORNOT RUN
CO FINISHED
SO STARTING
SO LOCATION FOAMLINE POINT     175.87     119.79       0.00
SO SRCPARAM FOAMLINE 132.2976    38.10     299.82    24.5307      0.857
SO LOCATION LONGBUN POINT      152.40      17.07       0.00
SO SRCPARAM LONGBUN 77.17362     38.10     299.82    24.5307      0.857
SO LOCATION EXFAN_3 POINT      108.51      97.23       0.00
SO SRCPARAM EXFAN_3 0.664600     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_4 POINT      108.51     110.64       0.00
SO SRCPARAM EXFAN_4 0.664600     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_5 POINT      108.51     119.79       0.00
SO SRCPARAM EXFAN_5 0.664600     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_6 POINT      108.51     135.64       0.00
SO SRCPARAM EXFAN_6 0.664600     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_7 POINT      108.51     152.71       0.00
SO SRCPARAM EXFAN_7 0.664600     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_8 POINT      108.51     168.86       0.00
SO SRCPARAM EXFAN_8 0.664600     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_9 POINT      108.51     183.79       0.00
SO SRCPARAM EXFAN_9 0.664600     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_10 POINT     108.51     192.94       0.00
SO SRCPARAM EXFAN_10 0.664600    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_11 POINT     147.52      97.23       0.00
SO SRCPARAM EXFAN_11 0.664600    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_12 POINT     147.52     110.64       0.00
SO SRCPARAM EXFAN_12 0.664600    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_13 POINT     147.52     119.79       0.00
SO SRCPARAM EXFAN_13 0.664600    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_14 POINT     147.52     135.64       0.00
SO SRCPARAM EXFAN_14 0.664600    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_15 POINT     147.52     152.71       0.00
SO SRCPARAM EXFAN_15 0.664600    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_16 POINT     147.52     168.86       0.00
SO SRCPARAM EXFAN_16 0.664600    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_17 POINT     147.52     183.79       0.00
SO SRCPARAM EXFAN_17 0.664600    16.15     299.82    24.6109      1.105
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SO LOCATION EXFAN_18 POINT     147.52     192.94       0.00
SO SRCPARAM EXFAN_18 0.664600      16.15     299.82    24.6109       1.105
SO LOCATION EXFAN_19 POINT     182.88     102.56       0.00
SO SRCPARAM EXFAN_19 0.664600      16.15     299.82    24.6109       1.105
SO BUILDHGT FOAMLINE    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT FOAMLINE    12.19    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT FOAMLINE    12.19    12.19    15.24    15.24    15.24    12.19
SO BUILDHGT FOAMLINE    12.19    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT FOAMLINE    12.19    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT FOAMLINE    12.19    12.19    15.24    15.24    15.24    15.24
SO BUILDWID  FOAMLINE      80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  FOAMLINE      39.97    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  FOAMLINE      37.02    33.83    93.48    88.29    80.42    12.19
SO BUILDWID  FOAMLINE      18.62    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  FOAMLINE      39.97    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  FOAMLINE      37.02    33.83    93.48    88.29    80.42    70.11
SO BUILDHGT LONGBUN    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT LONGBUN    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT LONGBUN    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT LONGBUN    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT LONGBUN    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT LONGBUN    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  LONGBUN       80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  LONGBUN       85.56    76.71    65.53    76.71    85.56    91.81
SO BUILDWID  LONGBUN       95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDWID  LONGBUN       80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  LONGBUN       85.56    76.71    65.53    76.71    85.56    91.81
SO BUILDWID  LONGBUN       95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_3    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_3    12.19    12.19    12.19    15.24    15.24    15.24
SO BUILDHGT EXFAN_3    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDHGT EXFAN_3    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_3    12.19    12.19    12.19    15.24    15.24    15.24
SO BUILDHGT EXFAN_3    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_3      116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_3      101.55   104.18   103.63    76.71    85.56    91.81
SO BUILDWID  EXFAN_3       95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDWID  EXFAN_3      116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_3       39.97    39.64    38.10    76.71    85.56    91.81
SO BUILDWID  EXFAN_3       95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_4    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_4    10.67    12.19    12.19    12.19    15.24    15.24
SO BUILDHGT EXFAN_4    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDHGT EXFAN_4    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_4    10.67    12.19    12.19    12.19    15.24    15.24
SO BUILDHGT EXFAN_4    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_4      116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_4      146.50   104.18   103.63   114.23    85.56    91.81
SO BUILDWID  EXFAN_4       95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDWID  EXFAN_4      116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_4      146.50    39.64    38.10    39.64    85.56    91.81
SO BUILDWID  EXFAN_4       95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_5    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_5    10.67    10.67    12.19    12.19    15.24    15.24
SO BUILDHGT EXFAN_5    10.67    10.67    10.67    12.19    12.19    10.67
SO BUILDHGT EXFAN_5    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_5    10.67    10.67    12.19    12.19    15.24    15.24
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SO BUILDHGT EXFAN_5    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_5     116.96   132.83   144.67   152.11   154.93   153.04
SO [illegible]DWID  EXFAN_5     146.50   135.51   103.63   114.23    85.56    91.81
SO [illegible]DWID  EXFAN_5     150.26   148.19   141.62   101.32    87.04    97.54
SO BUILDWID  EXFAN_5     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_5     146.50   135.51    38.10    39.64    85.56    91.81
SO BUILDWID  EXFAN_5      95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    12.19    10.67    10.67
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    12.19    12.19    15.24
SO BUILDHGT EXFAN_6    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_6     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_6     146.50   135.51   120.40   114.23   140.77   147.76
SO BUILDWID  EXFAN_6     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_6     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_6     146.50   135.51   120.40    39.64    39.97    91.81
SO BUILDWID  EXFAN_6      95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_7     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_7     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_7     150.26   148.19   141.62   130.75   115.90    97.54
SO [illegible]DWID  EXFAN_7     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_7     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_7      95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_8     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_8     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_8     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_8     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_8     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_8     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_9     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_9     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_9     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_9     116.96   132.83   144.67   152.11   154.93   153.04
SO [illegible]LDWID  EXFAN_9     146.50   135.51   120.40   129.50   140.77   147.76
SO [illegible]LDWID  EXFAN_9     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_10   10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_10   10.67    10.67    10.67    10.67    10.67    10.67
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SO BUILDHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO [illegible]DHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO [illegible]DHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_10    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_10    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_10    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_10    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_10    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_10    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_11    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    12.19    12.19    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    12.19    12.19    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_11     80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  EXFAN_11     85.56   104.18   103.63    76.71    85.56    91.81
SO BUILDWID  EXFAN_11     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDWID  EXFAN_11     80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  EXFAN_11     85.56    39.64    38.10    76.71    85.56    91.81
SO BUILDWID  EXFAN_11     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_12    15.24    15.24    15.24    15.24    15.24    12.19
SO BUILDHGT EXFAN_12    12.19    12.19    12.19    12.19    12.19    15.24
SO BUILDHGT EXFAN_12    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_12    15.24    15.24    15.24    15.24    15.24    12.19
SO BUILDHGT EXFAN_12    12.19    12.19    12.19    12.19    12.19    15.24
SO BUILDHGT EXFAN_12    15.24    15.24    15.24    15.24    15.24    15.24
SO [illegible]DWID  EXFAN_12     80.42    88.29    93.48    95.83    95.26    39.09
SO BUILDWID  EXFAN_12     39.97    39.64   103.63   114.23    39.97    91.81
SO BUILDWID  EXFAN_12     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDWID  EXFAN_12     80.42    88.29    93.48    95.83    95.26    39.09
SO BUILDWID  EXFAN_12     39.97    39.64    38.10    39.64    39.97    91.81
SO BUILDWID  EXFAN_12     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_13    15.24    15.24    15.24    15.24    10.67    10.67
SO BUILDHGT EXFAN_13    10.67    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT EXFAN_13    15.24    15.24    15.24    15.24    12.19    12.19
SO BUILDHGT EXFAN_13    15.24    15.24    15.24    15.24    10.67    10.67
SO BUILDHGT EXFAN_13    10.67    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT EXFAN_13    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_13     80.42    88.29    93.48    95.83   154.93   153.04
SO BUILDWID  EXFAN_13    146.50    39.64   103.63   114.23   121.36   124.80
SO BUILDWID  EXFAN_13     95.26    95.83    93.48    88.29    87.04    70.11
SO BUILDWID  EXFAN_13     80.42    88.29    93.48    95.83   154.93   153.04
SO BUILDWID  EXFAN_13    146.50    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  EXFAN_13     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_14    15.24    15.24    15.24    10.67    10.67    10.67
SO BUILDHGT EXFAN_14    10.67    10.67    10.67    10.67    12.19    12.19
SO BUILDHGT EXFAN_14    12.19    15.24    10.67    12.19    12.19    12.19
SO BUILDHGT EXFAN_14    12.19    12.19    15.24    10.97    10.97    10.67
SO BUILDHGT EXFAN_14    10.67    10.67    10.67    10.67    12.19    12.19
SO BUILDHGT EXFAN_14    12.19    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_14     80.42    88.29    93.48   152.11   154.93   153.04
SO [illegible]LDWID  EXFAN_14    146.50   135.51   120.40   129.50   121.36   124.80
SO [illegible]LDWID  EXFAN_14    124.45    95.83   141.62   101.32    87.04    70.11
SO BUILDWID  EXFAN_14     80.42    88.29    93.48    24.97    24.41   153.04
SO BUILDWID  EXFAN_14    146.50   135.51   120.40   129.50    39.97    39.09
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SO BUILDWID  EXFAN_14     37.02    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_15    15.24    15.24    10.67    10.67    10.67    10.67
SO [illegible]DHGT EXFAN_15    10.67    10.67    10.67    10.67    10.67    10.67
SO [illegible]DHGT EXFAN_15    12.19    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_15    12.19    12.19    10.67    10.97    10.97    10.97
SO BUILDHGT EXFAN_15    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_15    12.19    12.19    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_15     80.42    88.29   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_15    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_15    124.45   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_15     80.42    88.29   144.67    24.97    24.41    23.11
SO BUILDWID  EXFAN_15    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_15     37.02    33.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_16    12.19    12.19    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_16    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_16    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_16    10.67    10.67    10.67    10.67    10.97    10.97
SO BUILDHGT EXFAN_16    10.97    10.97    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_16    10.67    12.19    12.19    12.19    12.19    12.19
SO BUILDWID  EXFAN_16     80.42    88.29   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_16    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_16    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_16    116.96   132.83   144.67   152.11    24.41    23.11
SO BUILDWID  EXFAN_16     21.10    18.45   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_16    150.26    33.83    29.61    24.49    87.04    70.11
SO BUILDHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO [illegible]DHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_17    10.97    10.97    10.97    10.97    10.97    10.67
SO BUILDHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_17     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_17     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_17     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_17     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_17      21.10    18.45    15.24    18.45    21.10   147.76
SO BUILDWID  EXFAN_17     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_18    10.67    10.67    10.97    10.97    10.97    10.97
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_18     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_18     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_18     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_18     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_18     146.50   135.51    15.24    18.45    21.10    23.11
SO BUILDWID  EXFAN_18     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_19    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_19    15.24    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT EXFAN_19    12.19    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_19    15.24    15.24    15.24    15.24    15.24    15.24
SO [illegible]LDHGT EXFAN_19    15.24    12.19    12.19    12.19    12.19    12.19
SO [illegible]LDHGT EXFAN_19    12.19    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_19     80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  EXFAN_19     85.56    39.64    38.10    39.64    39.97    39.09
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SO BUILDWID  EXFAN_19      37.02    95.83    93.48    88.29    80.42    70.11
SO BUILDWID  EXFAN_19      80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  EXFAN_19      85.56    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  EXFAN_19      37.02    95.83    93.48    88.29    80.42    70.11
SO EMISUNIT 1000000.000000 GRAMS/SEC MICROGRAMS/M**3
SO SRCGROUP ALL
SO FINISHED
RE STARTING
RE GRIDPOLR POLAR_1  STA
RE GRIDPOLR POLAR_1  ORIG 106.68 110.64
RE GRIDPOLR POLAR_1  DIST 150.00 200.00 250.00 300.00
RE GRIDPOLR POLAR_1  DIST 350.00 400.00 450.00 500.00
RE GRIDPOLR POLAR_1  DIST 550.00 600.00 650.00 700.00
RE GRIDPOLR POLAR_1  DIST 750.00 800.00 850.00 900.00
RE GRIDPOLR POLAR_1  DIST 950.00 1000.00
RE GRIDPOLR POLAR_1  GDIR 36 10.00 10.00
RE GRIDPOLR POLAR_1  END
RE DISCCART 0.00 0.00
RE DISCCART 15.24 0.00
RE DISCCART 30.48 0.00
RE DISCCART 45.72 0.00
RE DISCCART 60.96 0.00
RE DISCCART 76.20 0.00
RE DISCCART 91.44 0.00
RE DISCCART 106.68 0.00
RE DISCCART 121.92 0.00
RE DISCCART 137.16 0.00
RE DISCCART 152.40 0.00
RE DISCCART 167.64 0.00
RE DISCCART 182.88 0.00
RE DISCCART 198.12 0.00
RE DISCCART 213.36 0.00
RE DISCCART 213.36 15.24
RE DISCCART 213.36 30.48
RE DISCCART 213.36 45.72
RE DISCCART 213.36 60.96
RE DISCCART 213.36 76.20
RE DISCCART 213.36 91.44
RE DISCCART 213.36 106.68
RE DISCCART 213.36 121.92
RE DISCCART 213.36 137.16
RE DISCCART 213.36 152.40
RE DISCCART 213.36 167.64
RE DISCCART 213.36 182.88
RE DISCCART 213.36 198.12
RE DISCCART 213.36 213.36
RE DISCCART 213.36 220.98
RE DISCCART 198.12 220.98
RE DISCCART 182.88 220.98
RE DISCCART 167.64 220.98
RE DISCCART 152.40 220.98
RE DISCCART 137.16 220.98
RE DISCCART 121.92 220.98
RE DISCCART 106.68 220.98
RE DISCCART 91.44 220.98
RE DISCCART 76.20 220.98
RE DISCCART 60.96 220.98
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RE DISCCART 45.72 220.98
RE DISCCART 30.48 220.98
RE DISCCART 15.24 220.98
RE DISCCART 0.00 220.98
RE DISCCART 0.00 213.36
RE DISCCART 0.00 198.12
RE DISCCART 0.00 182.88
RE DISCCART 0.00 167.64
RE DISCCART 0.00 152.40
RE DISCCART 0.00 137.16
RE DISCCART 0.00 121.92
RE DISCCART 0.00 106.68
RE DISCCART 0.00 91.44
RE DISCCART 0.00 76.20
RE DISCCART 0.00 60.96
RE DISCCART 0.00 45.72
RE DISCCART 0.00 30.48
RE DISCCART 0.00 15.24
RE FINISHED
ME STARTING
ME INPUTFIL D:\MODELDAT\ISCST2\FMXTEMP\ORLPRE86.BIN UNFORM
ME ANEMHGHT   10.000 METERS
ME SURFDATA 12815 1986 ORLANDO
ME UAIRDATA 12842 1986 TAMPA
ME STARTEND 1986 1 1 1 1986 12 31 24
ME FINISHED
OU STARTING
OU RECTABLE 8 FIRST
OU RECTABLE 8 50
OU FINISHED

**************************************
*** SETUP Finishes Successfully ***
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*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

- -

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

**Model Uses RURAL Dispersion.

**Model Uses Regulatory DEFAULT Options:
1. Final Plume Rise.
2. Stack-tip Downwash.
3. Buoyancy-induced Dispersion.
4. Use Calms Processing Routine.
5. Not Use Missing Data Processing Routine.
6. Default Wind Profile Exponents.
7. Default Vertical Potential Temperature Gradients.
8. "Upper Bound" Values for Supersquat Buildings.
9. No Exponential Decay for RURAL Mode

**Model Assumes Receptors on FLAT Terrain.

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates 1 Short Term Average(s) of: 8-HR

**This Run Includes: 19 Source(s); 1 Source Group(s); and 706 Receptor(s)

**The Model Assumes A Pollutant Type of: MC_8

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

**Output Options Selected:
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: D:\MODELDAT\ISCST2\FMXTEMP\FMXMC8.DAT ; **Output Print File: D:\MODELDAT\ISCST2\FMXTEMP\FMXMC8.LST

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	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
FOAMLINE	0	0.13230E+03	175.9	119.8	0.0	38.10	299.82	24.53	0.86	YES	
LONGBUN	0	0.77174E+02	152.4	17.1	0.0	38.10	299.82	24.53	0.86	YES	
EXFAN_3	0	0.66460E+00	108.5	97.2	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_4	0	0.66460E+00	108.5	110.6	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_5	0	0.66460E+00	108.5	119.8	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_6	0	0.66460E+00	108.5	135.6	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_7	0	0.66460E+00	108.5	152.7	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_8	0	0.66460E+00	108.5	168.9	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_9	0	0.66460E+00	108.5	183.8	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_10	0	0.66460E+00	108.5	192.9	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_11	0	0.66460E+00	147.5	97.2	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_12	0	0.66460E+00	147.5	110.6	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_13	0	0.66460E+00	147.5	119.8	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_14	0	0.66460E+00	147.5	135.6	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_15	0	0.66460E+00	147.5	152.7	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_16	0	0.66460E+00	147.5	168.9	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_17	0	0.66460E+00	147.5	183.8	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_18	0	0.66460E+00	147.5	192.9	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_19	0	0.66460E+00	182.9	102.6	0.0	16.15	299.82	24.61	1.11	YES	

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: FOAMLINE

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	15.2,	91.8,	0
7	12.2,	40.0,	0	8	12.2,	39.6,	0	9	12.2,	38.1,	0	10	12.2,	39.6,	0	11	12.2,	40.0,	0	12	12.2,	39.1,	0
13	12.2,	37.0,	0	14	12.2,	33.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	12.2,	12.2,	0
19	12.2,	18.6,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	15.2,	91.8,	0
25	12.2,	40.0,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	12.2,	37.0,	0	32	12.2,	33.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: LONGBUN

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	15.2,	91.8,	0
7	15.2,	85.6,	0	8	15.2,	76.7,	0	9	15.2,	65.5,	0	10	15.2,	76.7,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	15.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	15.2,	91.8,	0
25	15.2,	85.6,	0	26	15.2,	76.7,	0	27	15.2,	65.5,	0	28	15.2,	76.7,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_3

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	12.2,	101.6,	0	8	12.2,	104.2,	0	9	12.2,	103.6,	0	10	15.2,	76.7,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	12.2,	40.0,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	15.2,	76.7,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_4

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	12.2,	104.2,	0	9	12.2,	103.6,	0	10	12.2,	114.2,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_5

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	12.2,	103.6,	0	10	12.2,	114.2,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	12.2,	101.3,	0	17	12.2,	87.0,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_6

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	12.2,	114.2,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_7

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_8

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_9

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_10

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_11

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	15.2,	91.8,	0
7	15.2,	85.6,	0	8	12.2,	104.2,	0	9	12.2,	103.6,	0	10	15.2,	76.7,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	15.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	15.2,	91.8,	0
25	15.2,	85.6,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	15.2,	76.7,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_12

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	12.2,	39.1,	0
7	12.2,	40.0,	0	8	12.2,	39.6,	0	9	12.2,	103.6,	0	10	12.2,	114.2,	0	11	12.2,	40.0,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	15.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	12.2,	39.1,	0
25	12.2,	40.0,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_13

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	12.2,	39.6,	0	9	12.2,	103.6,	0	10	12.2,	114.2,	0	11	12.2,	121.4,	0	12	12.2,	124.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	12.2,	87.0,	0	18	12.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_14

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	12.2,	121.4,	0	12	12.2,	124.8,	0
13	12.2,	124.5,	0	14	15.2,	95.8,	0	15	10.7,	141.6,	0	16	12.2,	101.3,	0	17	12.2,	87.0,	0	18	12.2,	70.1,	0
19	12.2,	80.4,	0	20	12.2,	88.3,	0	21	15.2,	93.5,	0	22	11.0,	25.0,	0	23	11.0,	24.4,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	12.2,	37.0,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_15

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	12.2,	124.5,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	12.2,	80.4,	0	20	12.2,	88.3,	0	21	10.7,	144.7,	0	22	11.0,	25.0,	0	23	11.0,	24.4,	0	24	11.0,	23.1,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	12.2,	37.0,	0	32	12.2,	33.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_16

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	12.2,	80.4,	0	2	12.2,	88.3,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	11.0,	24.4,	0	24	11.0,	23.1,	0
25	11.0,	21.1,	0	26	11.0,	18.4,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	12.2,	33.8,	0	33	12.2,	29.6,	0	34	12.2,	24.5,	0	35	12.2,	87.0,	0	36	12.2,	70.1,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_17

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	11.0,	21.1,	0	26	11.0,	18.4,	0	27	11.0,	15.2,	0	28	11.0,	18.4,	0	29	11.0,	21.1,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_18

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	11.0,	15.2,	0	28	11.0,	18.4,	0	29	11.0,	21.1,	0	30	11.0,	23.1,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_19

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	15.2,	91.8,	0
7	15.2,	85.6,	0	8	12.2,	39.6,	0	9	12.2,	38.1,	0	10	12.2,	39.6,	0	11	12.2,	40.0,	0	12	12.2,	39.1,	0
13	12.2,	37.0,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	15.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	15.2,	91.8,	0
25	15.2,	85.6,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	12.2,	37.0,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

*** ORIGIN FOR POLAR NETWORK ***
X-ORIG = 106.68 ; Y-ORIG = 110.64 (METERS)

*** DISTANCE RANGES OF NETWORK ***
(METERS)

150.0, 200.0, 250.0, 300.0, 350.0, 400.0, 450.0, 500.0, 550.0, 600.0,
650.0, 700.0, 750.0, 800.0, 850.0, 900.0, 950.0, 1000.0,

*** DIRECTION RADIALS OF NETWORK ***
(DEGREES)

10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0,
110.0, 120.0, 130.0, 140.0, 150.0, 160.0, 170.0, 180.0, 190.0, 200.0,
210.0, 220.0, 230.0, 240.0, 250.0, 260.0, 270.0, 280.0, 290.0, 300.0,
310.0, 320.0, 330.0, 340.0, 350.0, 360.0,

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

(0.0,	0.0,	0.0,	0.0);	(15.2,	0.0,	0.0,	0.0);
(30.5,	0.0,	0.0,	0.0);	(45.7,	0.0,	0.0,	0.0);
(61.0,	0.0,	0.0,	0.0);	(76.2,	0.0,	0.0,	0.0);
(91.4,	0.0,	0.0,	0.0);	(106.7,	0.0,	0.0,	0.0);
(121.9,	0.0,	0.0,	0.0);	(137.2,	0.0,	0.0,	0.0);
(152.4,	0.0,	0.0,	0.0);	(167.6,	0.0,	0.0,	0.0);
(182.9,	0.0,	0.0,	0.0);	(198.1,	0.0,	0.0,	0.0);
(213.4,	0.0,	0.0,	0.0);	(213.4,	15.2,	0.0,	0.0);
(213.4,	30.5,	0.0,	0.0);	(213.4,	45.7,	0.0,	0.0);
(213.4,	61.0,	0.0,	0.0);	(213.4,	76.2,	0.0,	0.0);
(213.4,	91.4,	0.0,	0.0);	(213.4,	106.7,	0.0,	0.0);
(213.4,	121.9,	0.0,	0.0);	(213.4,	137.2,	0.0,	0.0);
(213.4,	152.4,	0.0,	0.0);	(213.4,	167.6,	0.0,	0.0);
(213.4,	182.9,	0.0,	0.0);	(213.4,	198.1,	0.0,	0.0);
(213.4,	213.4,	0.0,	0.0);	(213.4,	221.0,	0.0,	0.0);
(198.1,	221.0,	0.0,	0.0);	(182.9,	221.0,	0.0,	0.0);
(167.6,	221.0,	0.0,	0.0);	(152.4,	221.0,	0.0,	0.0);
(137.2,	221.0,	0.0,	0.0);	(121.9,	221.0,	0.0,	0.0);
(106.7,	221.0,	0.0,	0.0);	(91.4,	221.0,	0.0,	0.0);
(76.2,	221.0,	0.0,	0.0);	(61.0,	221.0,	0.0,	0.0);
(45.7,	221.0,	0.0,	0.0);	(30.5,	221.0,	0.0,	0.0);
(15.2,	221.0,	0.0,	0.0);	(0.0,	221.0,	0.0,	0.0);
(0.0,	213.4,	0.0,	0.0);	(0.0,	198.1,	0.0,	0.0);
(0.0,	182.9,	0.0,	0.0);	(0.0,	167.6,	0.0,	0.0);
(0.0,	152.4,	0.0,	0.0);	(0.0,	137.2,	0.0,	0.0);
(0.0,	121.9,	0.0,	0.0);	(0.0,	106.7,	0.0,	0.0);
(0.0,	91.4,	0.0,	0.0);	(0.0,	76.2,	0.0,	0.0);
(0.0,	61.0,	0.0,	0.0);	(0.0,	45.7,	0.0,	0.0);
(0.0,	30.5,	0.0,	0.0);	(0.0,	15.2,	0.0,	0.0);

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

* SOURCE-RECEPTOR COMBINATIONS LESS THAN 1.0 METER OR 3*ZLB *
IN DISTANCE. CALCULATIONS MAY NOT BE PERFORMED.

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
LONGBUN	121.9	0.0	34.93
LONGBUN	137.2	0.0	22.88
LONGBUN	152.4	0.0	17.07
LONGBUN	167.6	0.0	22.88
LONGBUN	182.9	0.0	34.93
EXFAN_10	121.9	221.0	31.08
EXFAN_10	106.7	221.0	28.10
EXFAN_18	152.4	221.0	28.46
EXFAN_18	137.2	221.0	29.89
EXFAN_19	213.4	91.4	32.45
EXFAN_19	213.4	106.7	30.76
EXFAN_19	213.4	121.9	36.11

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 86 1 1 1
AND END DATE: 86 12 31 24

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
B	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
C	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
D	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
E	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00
F	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00

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

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

FILE: D:\MODELDAT\ISCST2\FMXTEMP\ORLPRE86.BIN FORMAT: UNFORM
SURFACE STATION NO.: 12815 UPPER AIR STATION NO.: 12842
NAME: ORLANDO NAME: TAMPA
YEAR: 1986 YEAR: 1986

YEAR	MONTH	DAY	HOUR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN
86	1	1	1	1.0	3.60	289.3	4	639.0	639.0
86	1	1	2	168.0	5.14	288.7	4	639.0	639.0
86	1	1	3	124.0	3.09	288.2	4	639.0	639.0
86	1	1	4	353.0	2.57	288.2	4	639.0	639.0
86	1	1	5	333.0	2.57	288.7	4	639.0	639.0
86	1	1	6	332.0	2.57	288.7	4	639.0	639.0
86	1	1	7	335.0	3.09	288.7	4	639.0	639.0
86	1	1	8	3.0	3.60	289.3	4	639.0	639.0
86	1	1	9	347.0	3.60	289.8	4	639.0	639.0
86	1	1	10	1.0	5.14	292.0	4	639.0	639.0
86	1	1	11	14.0	4.63	292.6	4	639.0	639.0
86	1	1	12	16.0	4.12	294.3	4	639.0	639.0
86	1	1	13	73.0	3.09	295.4	4	639.0	639.0
86	1	1	14	49.0	3.60	297.0	4	639.0	639.0
86	1	1	15	142.0	2.06	296.5	4	639.0	639.0
86	1	1	16	144.0	2.06	295.9	4	639.0	639.0
86	1	1	17	261.0	2.06	295.4	4	639.0	639.0
86	1	1	18	257.0	2.06	292.6	4	644.0	644.0
86	1	1	19	274.0	3.60	291.5	4	655.0	655.0
86	1	1	20	227.0	3.09	290.9	4	666.0	666.0
86	1	1	21	230.0	3.09	290.9	4	678.0	678.0
86	1	1	22	252.0	2.57	290.4	5	689.0	477.0
86	1	1	23	290.0	2.06	290.4	4	700.0	700.0
86	1	1	24	290.0	1.00	290.4	4	712.0	712.0

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF MC_8 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 150.00	200.00	250.00	300.00	350.00
10.0	467.80795 (86071316)	839.84351 (86071316)	1186.14526 (86071316)	1370.84949 (86071316)	1394.11548 (86071316)
20.0	382.49103 (86071316)	642.76019 (86071316)	849.87451 (86071316)	914.62170 (86071316)	874.65741 (86010216)
30.0	287.05066 (86060816)	509.26520 (86060816)	668.65405 (86060816)	681.94666 (86080616)	772.87286 (86010216)
40.0	248.42003 (86060816)	370.00537 (86053116)	649.82428 (86053116)	889.47931 (86080416)	1111.13928 (86080416)
50.0	175.35704 (86060816)	365.83279 (86053116)	569.19824 (86053116)	808.80591 (86072616)	1018.69971 (86072616)
60.0	155.01828 (86053116)	265.27298 (86053116)	458.67258 (86072616)	689.15277 (86072616)	830.09125 (86072616)
70.0	107.90281 (86053116)	221.59613 (86071516)	429.56100 (86072016)	734.27856 (86072016)	977.47461 (86072016)
80.0	94.10939 (86012716)	182.87732 (86071516)	338.01385 (86091216)	665.11932 (86091216)	918.41565 (86091216)
90.0	102.32682 (86012724)	135.07843 (86071516)	333.96942 (86071516)	561.17932 (86091216)	786.32672 (86091216)
100.0	120.20651 (86012724)	133.77615 (86012724)	282.22348 (86050816)	491.92596 (86050816)	695.66260 (86071916)
110.0	141.35661 (86012724)	183.59584 (86042916)	344.61423 (86050816)	591.01929 (86050816)	794.79492 (86042916)
120.0	131.27574 (86042616)	245.81355 (86042616)	453.80286 (86042616)	710.35883 (86090216)	907.45953 (86090216)
130.0	126.60799 (86042616)	235.56964 (86042616)	461.53833 (86042616)	778.19385 (86042616)	1048.98413 (86042616)
140.0	118.52532 (86042316)	170.49365 (86042316)	322.20251 (86050316)	561.06714 (86042816)	824.64874 (86042816)
150.0	141.86208 (86011116)	217.73465 (86101616)	413.66943 (86101616)	684.96478 (86101616)	977.74243 (86101616)
160.0	148.87495 (86032216)	323.37408c(86082316)	487.32990 (86110316)	659.30347 (86110316)	747.89313 (86110316)
170.0	217.46613 (86032216)	454.43573c(86082316)	731.97571c(86082316)	936.06659c(86082316)	1148.71777 (86110316)
180.0	219.79152c(86082316)	485.63007c(86082316)	790.80304c(86082316)	1076.58411c(86082316)	1232.34546c(86082316)
190.0	306.36725c(86082316)	549.37286c(86082316)	800.52667c(86082316)	1003.39319c(86082316)	1109.74341c(86082316)
200.0	413.14069c(86082316)	716.06451c(86082316)	1005.21808c(86082316)	1187.69910c(86082316)	1225.92444c(86082316)
210.0	452.67221c(86082316)	804.68268c(86082316)	1129.55139c(86082316)	1351.69409c(86082316)	1429.48853c(86082316)
220.0	388.18683c(86082316)	697.60419c(86082316)	966.79486c(86082316)	1155.24268c(86082316)	1247.65662c(86082316)
230.0	379.08670 (86051716)	633.68250 (86051116)	869.07074 (86062616)	1038.26245 (86062616)	1097.33936 (86062616)
240.0	408.36349 (86051716)	606.16711 (86062616)	877.76331 (86062616)	1071.76453 (86062616)	1157.44897 (86062616)
250.0	403.08566 (86051716)	588.13037 (86062616)	810.44946 (86062616)	972.74170 (86062616)	1072.42053 (86062616)
260.0	362.31717 (86051716)	485.84775 (86062616)	668.98584 (86062616)	797.09253 (86051316)	859.85254 (86062616)
270.0	435.47092 (86043016)	659.96075 (86043016)	795.58661 (86043016)	856.72473 (86043016)	900.01886 (86070716)
280.0	535.67590 (86043016)	833.80615 (86043016)	1004.30878 (86043016)	1056.00244 (86043016)	1033.71680 (86043016)
290.0	536.39056 (86043016)	846.61121 (86040616)	1107.41260 (86040616)	1224.52686 (86040616)	1242.37109 (86040616)
300.0	500.08847 (86081016)	918.90021 (86040616)	1250.54541 (86040616)	1425.35974 (86040616)	1479.02783 (86040616)
310.0	515.99084 (86062416)	877.68896 (86040616)	1168.36182 (86040616)	1286.99622 (86040616)	1285.93298 (86040616)
320.0	507.86401 (86071716)	792.07611 (86052916)	1023.40063 (86052916)	1097.24170 (86052916)	1052.19873 (86052916)
330.0	458.24863 (86071716)	674.78577 (86052916)	811.13074 (86082516)	983.46515 (86082516)	1097.72729 (86082516)
340.0	503.47501 (86080516)	718.63226 (86080516)	875.75256 (86082716)	1037.10181 (86082716)	1100.86011 (86082716)
350.0	534.78888 (86080516)	826.10266 (86080516)	1002.10901 (86071316)	1170.90332 (86071316)	1263.89661 (86100916)
360.0	479.08731 (86071316)	850.05432 (86071316)	1208.22144 (86071316)	1418.38379 (86071316)	1476.61426 (86071316)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF MC_8 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 400.00	450.00	500.00	550.00	600.00
10.0	1315.51550 (86071316)	1193.44604 (86071316)	1057.95142 (86071316)	981.56256 (86080316)	934.62653 (86080316)
20.0	971.05023 (86010216)	1017.77710 (86010216)	1025.98218 (86010216)	1006.13641 (86010216)	968.98297 (86010216)
30.0	862.59790 (86080416)	902.02637 (86080416)	902.72974 (86080416)	872.83447 (86080416)	826.22882 (86080416)
40.0	1207.14270 (86080416)	1205.15222 (86080416)	1151.70935 (86080416)	1065.93958 (86080416)	969.12634 (86080416)
50.0	1112.88574 (86072616)	1118.88416 (86072616)	1076.45715 (86072616)	1004.29034 (86072616)	920.31305 (86072616)
60.0	1131.35046 (86100416)	1345.89331 (86100416)	1471.13745 (86100416)	1514.55920 (86100416)	1497.76831 (86100416)
70.0	1111.59839 (86072016)	1158.24329 (86072016)	1188.82446 (86081816)	1271.08459 (86081816)	1300.53345 (86081816)
80.0	1045.41858 (86091216)	1064.67822 (86091216)	1021.39954 (86091216)	946.21637 (86022616)	908.28992 (86022616)
90.0	920.10431 (86091216)	968.80664 (86091216)	962.72034 (86091216)	922.17236 (86071916)	870.93018 (86071916)
100.0	853.27869 (86071916)	935.02161 (86071916)	963.33154 (86071916)	950.34521 (86071916)	911.60577 (86071916)
110.0	1048.76819 (86042916)	1237.57996 (86042916)	1353.22327 (86042916)	1402.56763 (86042916)	1402.44397 (86042916)
120.0	1034.11206 (86042816)	1115.73193 (86042816)	1213.38440 (86042916)	1270.53479 (86042916)	1273.55310 (86042916)
130.0	1209.44495 (86042616)	1265.95410 (86042616)	1252.09143 (86042616)	1197.76160 (86012816)	1242.40271 (86012816)
140.0	987.20178 (86042816)	1048.55078 (86042816)	1039.96082 (86042816)	995.25757 (86042616)	929.98230 (86042616)
150.0	1221.68176 (86101616)	1384.34314 (86101616)	1463.76477 (86101616)	1477.02197 (86101616)	1443.84033 (86101616)
160.0	956.95831 (86101616)	1152.38269 (86101616)	1288.79590 (86101616)	1370.70459 (86101616)	1406.06189 (86101616)
170.0	1316.47290 (86110316)	1380.43872 (86110316)	1362.81445 (86110316)	1300.49146 (86110316)	1211.85999 (86110316)
180.0	1242.61633c(86082316)	1235.11890 (86110316)	1321.57886 (86110316)	1353.55493 (86110316)	1343.71948 (86110316)
190.0	1119.23743c(86082316)	1054.08276c(86082316)	949.56641c(86082316)	908.21844 (86102116)	875.36011 (86102116)
200.0	1159.65723c(86082316)	1226.65710 (86120416)	1309.01978 (86120416)	1336.51001 (86120416)	1323.34839 (86120416)
210.0	1384.87476c(86082316)	1264.17896c(86082316)	1111.30896c(86082316)	1060.19446 (86111316)	1011.71893 (86111316)
220.0	1254.37524c(86082316)	1196.42419c(86082316)	1097.70044c(86082316)	1119.94580 (86060516)	1141.03857 (86060516)
230.0	1085.04126 (86062616)	1030.47583 (86062616)	978.62573 (86091616)	932.98181 (86091616)	874.40155 (86091616)
240.0	1156.54639 (86062616)	1100.88013 (86062616)	1064.95288 (86091516)	1020.52966 (86091516)	957.95435 (86091516)
250.0	1114.60535 (86062616)	1116.98425 (86091516)	1145.99353 (86091516)	1148.39624 (86091516)	1130.61938 (86091516)
260.0	888.51703 (86062616)	884.14484 (86062616)	858.34601 (86062616)	848.22833 (86121416)	841.40826 (86121416)
270.0	938.95038 (86062316)	932.77948 (86062316)	893.23071 (86062316)	835.97876 (86062316)	773.81152c(86082616)
280.0	1098.88806 (86062316)	1147.95032 (86062316)	1168.14038 (86062316)	1167.27246 (86062316)	1151.28528 (86062316)
290.0	1200.06750 (86040616)	1121.19226 (86040616)	1028.28296 (86040616)	1013.62067 (86062316)	995.49506 (86062316)
300.0	1456.10742 (86040616)	1381.43127 (86040616)	1283.47400 (86040616)	1178.79614 (86040616)	1076.23572 (86040616)
310.0	1224.80029 (86040616)	1127.42749 (86040616)	1073.58411 (86112516)	1055.62195 (86112516)	1022.81171 (86112516)
320.0	1105.67065 (86112516)	1117.94348 (86112516)	1090.59827 (86112516)	1040.41479 (86112516)	978.86725 (86112516)
330.0	1158.24536 (86082516)	1173.03540 (86082516)	1152.89380 (86082516)	1110.34229 (86082516)	1054.84314 (86082516)
340.0	1140.08105 (86031216)	1254.98071 (86031216)	1326.09290 (86031216)	1360.46655 (86031216)	1366.36743 (86031216)
350.0	1345.89526 (86100916)	1361.28955 (86100916)	1327.87720 (86100916)	1266.34436 (86100916)	1191.27295 (86100916)
360.0	1430.84998 (86071316)	1333.89294 (86071316)	1315.92383 (86112616)	1358.98547 (86112616)	1372.27295 (86112616)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF MC_8 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 650.00	700.00	750.00	800.00	850.00
10.0	881.34631 (86080316)	825.82190 (86080316)	770.70361 (86080316)	717.60254 (86080316)	695.48138 (86073008)
20.0	922.10767 (86010216)	922.39679 (86072316)	919.07037 (86072316)	905.21661 (86072316)	884.01953 (86072316)
30.0	771.89783 (86080416)	760.28876 (86062916)	739.62469 (86062916)	712.92029 (86062916)	715.73895 (86021116)
40.0	872.92450 (86080416)	782.90320 (86080416)	737.81226 (86030416)	741.61798 (86030416)	735.62836 (86030416)
50.0	892.91022 (86100416)	864.86285 (86100416)	827.97540 (86100416)	786.61719 (86100416)	788.87927 (86112016)
60.0	1443.87183 (86100416)	1369.48413 (86100416)	1285.62292 (86100416)	1199.20679 (86100416)	1114.37305 (86100416)
70.0	1292.47498 (86081816)	1259.68347 (86081816)	1211.73108 (86081816)	1155.37451 (86081816)	1095.19409 (86081816)
80.0	855.98706 (86022616)	798.20282 (86022616)	739.98724 (86022616)	684.03094 (86022616)	631.64020 (86022616)
90.0	809.61346 (86071916)	746.01489 (86071916)	684.30487 (86071916)	626.51666 (86071916)	600.17950 (86041616)
100.0	859.64948 (86071916)	802.31641 (86071916)	744.26221 (86071916)	688.10742 (86071916)	635.21558 (86071916)
110.0	1369.61401 (86042916)	1316.87952 (86042916)	1253.25037 (86042916)	1184.75378 (86042916)	1115.26685 (86042916)
120.0	1241.60657 (86042916)	1189.16101 (86042916)	1126.11401 (86042916)	1058.85803 (86042916)	991.33752 (86042916)
130.0	1248.07642 (86012816)	1226.75330 (86012816)	1187.97815 (86012816)	1138.79309 (86012816)	1084.14172 (86012816)
140.0	855.99170 (86042616)	781.77289 (86042616)	711.48352 (86042616)	646.89301 (86042616)	608.83881 (86090316)
150.0	1381.91699 (86101616)	1304.36926 (86101616)	1220.03284 (86101616)	1134.55127 (86101616)	1051.34546 (86101616)
160.0	1407.70215 (86101616)	1386.45581 (86101616)	1350.40039 (86101616)	1305.28748 (86101616)	1255.10364 (86101616)
170.0	1113.52844 (86110316)	1015.08997 (86110316)	921.56757 (86110316)	875.62292 (86012408)	919.26282 (86012408)
180.0	1306.96716 (86110316)	1254.17334 (86110316)	1192.80542 (86110316)	1127.80603 (86110316)	1062.35144 (86110316)
190.0	830.80414 (86102116)	781.28864 (86102116)	730.92023 (86102116)	682.03564 (86102116)	635.85199 (86102116)
200.0	1283.22290 (86120416)	1226.88110 (86120416)	1162.01819 (86120416)	1093.82166 (86120416)	1025.62744 (86120416)
210.0	955.28589 (86111316)	895.85645 (86111316)	836.54492 (86111316)	779.21783 (86111316)	772.38049 (86032716)
220.0	1141.39001 (86060516)	1125.90320 (86060516)	1098.82239 (86060516)	1063.66931 (86060516)	1023.29309 (86060516)
230.0	848.87018 (86102216)	846.77399 (86102216)	839.81744 (86102216)	829.33972 (86102216)	816.44855 (86102216)
240.0	888.02203 (86091516)	892.31067 (86033116)	916.94983 (86111416)	962.83722 (86111416)	998.41742 (86111416)
250.0	1098.60620 (86091516)	1057.30139 (86091516)	1010.54016 (86091516)	961.14020 (86091516)	911.08795 (86091516)
260.0	825.76825 (86121416)	804.00250 (86121416)	778.15265 (86121416)	749.74835 (86121416)	719.90405 (86121416)
270.0	795.10742 (86040416)	816.57892 (86040416)	826.88086 (86040416)	827.67535 (86040416)	820.76178 (86040416)
280.0	1124.68445 (86062316)	1090.88342 (86062316)	1052.46399 (86062316)	1011.36096 (86062316)	969.00433 (86062316)
290.0	969.42261 (86062316)	938.38312 (86062316)	904.46613 (86062316)	869.13037 (86062316)	833.39038 (86062316)
300.0	980.08032 (86040616)	892.07819 (86040616)	857.10620 (86030916)	846.95135 (86030916)	837.90741 (86122316)
310.0	981.06726 (86112516)	934.57983 (86112516)	886.20947 (86112516)	837.84088 (86112516)	790.67163 (86112516)
320.0	913.20721 (86112516)	847.75696 (86112516)	784.93616 (86112516)	725.98328 (86112516)	671.41791 (86112516)
330.0	993.03131 (86082516)	929.30585 (86082516)	866.45020 (86082516)	806.12360 (86082516)	749.23529 (86082516)
340.0	1351.32813 (86031216)	1321.54041 (86031216)	1281.82910 (86031216)	1235.84070 (86031216)	1186.26843 (86031216)
350.0	1111.89258 (86100916)	1033.58496 (86100916)	959.22162 (86100916)	890.13586 (86100916)	826.76178 (86100916)
360.0	1363.55444 (86112616)	1339.05640 (86112616)	1303.61084 (86112616)	1260.96899 (86112616)	1213.92212 (86112616)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF MC_8 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 900.00	950.00	1000.00
10.0	701.55292 (86113016)	711.99652 (86113016)	715.71143 (86113016)
20.0	857.94061 (86072316)	828.31122 (86072316)	796.72504 (86072316)
30.0	717.94263 (86021116)	713.84106 (86021116)	703.97845 (86021116)
40.0	722.66766 (86030416)	704.23193 (86030416)	680.49060 (86030416)
50.0	791.68365 (86112016)	786.74506 (86112016)	774.47461 (86112016)
60.0	1033.44739 (86100416)	957.61328 (86100416)	887.34729 (86100416)
70.0	1034.19348 (86081816)	974.28064 (86081816)	916.60742 (86081816)
80.0	583.32825 (86022616)	539.17169 (86022616)	536.85217 (86020716)
90.0	576.80127 (86070316)	571.87927 (86070316)	564.95367 (86070316)
100.0	586.19391 (86071916)	541.20679 (86071916)	500.16852 (86071916)
110.0	1047.18579 (86042916)	981.91687 (86042916)	920.21820 (86042916)
120.0	925.87244 (86042916)	863.73828 (86042916)	807.03271 (86012816)
130.0	1027.37500 (86012816)	970.68909 (86012816)	915.47363 (86012816)
140.0	588.40149 (86090316)	566.71759 (86090316)	546.27704 (86122916)
150.0	972.35345 (86101616)	898.68622 (86101616)	830.44415 (86101616)
160.0	1202.56531 (86101616)	1149.75696 (86101616)	1192.14514 (86111508)
170.0	946.97064 (86012408)	961.01666 (86012408)	963.77301 (86012408)
180.0	998.40991 (86110316)	937.14557 (86110316)	879.19031 (86110316)
190.0	619.47491 (86111324)	606.61597 (86111324)	608.09979 (86122616)
200.0	959.47589 (86120416)	896.53772 (86120416)	841.59369 (86020908)
210.0	766.46887 (86032716)	757.68127 (86032716)	743.02631 (86032716)
220.0	980.09027 (86060516)	935.07739 (86060516)	888.60718 (86060516)
230.0	801.41492 (86102216)	792.04498 (86101916)	798.25946 (86050924)
240.0	1024.23645 (86111416)	1039.30371 (86111416)	1043.43848 (86111416)
250.0	861.72876 (86091516)	813.93365 (86091516)	768.23541 (86091516)
260.0	689.47626 (86121416)	664.56226 (86091016)	656.60925 (86091016)
270.0	807.83276 (86040416)	801.74896 (86051516)	803.07397 (86031008)
280.0	926.48895 (86062316)	883.90308 (86062316)	841.08252 (86062316)
290.0	819.16290 (86030924)	818.41840 (86030924)	808.02600 (86030924)
300.0	853.26410 (86122316)	858.03912 (86122316)	852.91559 (86122316)
310.0	745.42542 (86112516)	702.50232 (86112516)	662.09210 (86112516)
320.0	621.34253 (86112516)	582.24506c(86083116)	558.55316c(86083116)
330.0	696.20630 (86082516)	651.14258 (86031308)	641.06232 (86031308)
340.0	1135.17603 (86031216)	1083.63806 (86031216)	1032.11670 (86031216)
350.0	797.75952 (86052008)	789.98108 (86052008)	777.23975 (86052008)
360.0	1164.67712 (86112616)	1113.12341 (86112616)	1061.87756 (86112616)

**MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF MC_8 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
0.00	0.00	389.21826	(86051116)	15.24	0.00	352.29568c	(86082316)
30.48	0.00	330.07516c	(86082316)	45.72	0.00	293.04819c	(86082316)
60.96	0.00	243.62285c	(86082316)	76.20	0.00	187.61575c	(86082316)
91.44	0.00	134.99295c	(86082316)	106.68	0.00	142.32684	(86111324)
121.92	0.00	141.05029	(86032216)	137.16	0.00	217.05721	(86032216)
152.40	0.00	139.36569	(86032216)	167.64	0.00	107.23518	(86011116)
182.88	0.00	136.65936	(86011116)	198.12	0.00	110.64213	(86042316)
213.36	0.00	120.04622	(86042316)	213.36	15.24	107.05627	(86042616)
213.36	30.48	99.04636	(86042616)	213.36	45.72	90.62361	(86022516)
213.36	60.96	120.88385	(86012724)	213.36	76.20	136.80106	(86012724)
213.36	91.44	90.21629	(86012724)	213.36	106.68	66.63586	(86012724)
213.36	121.92	64.81264	(86012724)	213.36	137.16	62.61386	(86012724)
213.36	152.40	71.05780	(86022716)	213.36	167.64	85.03729	(86022716)
213.36	182.88	113.83447	(86060816)	213.36	198.12	157.28479	(86060816)
213.36	213.36	202.40253	(86060816)	213.36	220.98	226.33618	(86060816)
198.12	220.98	234.45854	(86060816)	182.88	220.98	226.80139	(86060816)
167.64	220.98	205.07106	(86071316)	152.40	220.98	233.15746	(86071316)
137.16	220.98	248.50334	(86071316)	121.92	220.98	253.11069	(86071316)
106.68	220.98	258.11713	(86061416)	91.44	220.98	307.46613	(86080516)
76.20	220.98	338.16730	(86080516)	60.96	220.98	346.15167	(86080516)
45.72	220.98	338.84906	(86080516)	30.48	220.98	397.74115	(86071716)
15.24	220.98	468.73093	(86071716)	0.00	220.98	531.92999	(86071716)
0.00	213.36	500.43253	(86071716)	0.00	198.12	452.42294	(86062416)
0.00	182.88	398.92194	(86062416)	0.00	167.64	340.62695	(86062416)
0.00	152.40	288.42563	(86043016)	0.00	137.16	261.65427	(86043016)
0.00	121.92	229.44492	(86043016)	0.00	106.68	201.90088	(86051716)
0.00	91.44	215.60432	(86051716)	0.00	76.20	244.98061	(86051716)
0.00	60.96	278.46341	(86051716)	0.00	45.72	307.38184	(86051716)
0.00	30.48	329.28650	(86051716)	0.00	15.24	345.09204	(86051716)

MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE MAXIMUM 50 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

** CONC OF MC_8 IN MICROGRAMS/M**3 **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	1514.55920	(86100416)	AT (	582.99,	385.64)	GP	26.	1372.27295	(86112616)	AT (	106.68,	710.64)	GP
2.	1497.76831	(86100416)	AT (	626.30,	410.64)	GP	27.	1370.84949	(86071316)	AT (	158.77,	406.08)	GP
3.	1479.02783	(86040616)	AT (	-196.43,	285.64)	GP	28.	1370.70459	(86101616)	AT (	294.79,	-406.19)	GP
4.	1477.02197	(86101616)	AT (	381.68,	-365.67)	GP	29.	1369.61401	(86042916)	AT (	717.48,	-111.67)	GP
5.	1476.61426	(86071316)	AT (	106.68,	460.64)	GP	30.	1369.48413	(86100416)	AT (	712.90,	460.64)	GP
6.	1471.13745	(86100416)	AT (	539.69,	360.64)	GP	31.	1366.36743	(86031216)	AT (	-98.53,	674.46)	GP
7.	1463.76477	(86101616)	AT (	356.68,	-322.37)	GP	32.	1363.55444	(86112616)	AT (	106.68,	760.64)	GP
8.	1456.10742	(86040616)	AT (	-239.73,	310.64)	GP	33.	1362.81445	(86110316)	AT (	193.50,	-381.76)	GP
9.	1443.87183	(86100416)	AT (	669.60,	435.64)	GP	34.	1361.28955	(86100916)	AT (	28.54,	553.80)	GP
10.	1443.84033	(86101616)	AT (	406.68,	-408.98)	GP	35.	1360.46655	(86031216)	AT (	-81.43,	627.47)	GP
11.	1430.84998	(86071316)	AT (	106.68,	510.64)	GP	36.	1358.98547	(86112616)	AT (	106.68,	660.64)	GP
12.	1429.48853c	(86082316)	AT (	-68.32,	-192.47)	GP	37.	1353.55493	(86110316)	AT (	106.68,	-439.36)	GP
13.	1425.35974	(86040616)	AT (	-153.13,	260.64)	GP	38.	1353.22327	(86042916)	AT (	576.53,	-60.37)	GP
14.	1418.38379	(86071316)	AT (	106.68,	410.64)	GP	39.	1351.69409c	(86082316)	AT (	-43.32,	-149.17)	GP
15.	1407.70215	(86101616)	AT (	328.99,	-500.16)	GP	40.	1351.32813	(86031216)	AT (	-115.63,	721.44)	GP
16.	1406.06189	(86101616)	AT (	311.89,	-453.18)	GP	41.	1350.40039	(86101616)	AT (	363.20,	-594.13)	GP
17.	1402.56763	(86042916)	AT (	623.51,	-77.47)	GP	42.	1345.89526	(86100916)	AT (	37.22,	504.56)	GP
18.	1402.44397	(86042916)	AT (	670.50,	-94.57)	GP	43.	1345.89331	(86100416)	AT (	496.39,	335.64)	GP
19.	1394.11548	(86071316)	AT (	167.46,	455.32)	GP	44.	1343.71948	(86110316)	AT (	106.68,	-489.36)	GP
20.	1386.45581	(86101616)	AT (	346.09,	-547.14)	GP	45.	1339.05640	(86112616)	AT (	106.68,	810.64)	GP
21.	1384.87476c	(86082316)	AT (	-93.32,	-235.77)	GP	46.	1336.51001	(86120416)	AT (	-81.43,	-406.19)	GP
22.	1384.34314	(86101616)	AT (	331.68,	-279.07)	GP	47.	1333.89294	(86071316)	AT (	106.68,	560.64)	GP
23.	1381.91699	(86101616)	AT (	431.68,	-452.28)	GP	48.	1327.87720	(86100916)	AT (	19.86,	603.04)	GP
24.	1381.43127	(86040616)	AT (	-283.03,	335.64)	GP	49.	1326.09290	(86031216)	AT (	-64.33,	580.49)	GP
25.	1380.43872	(86110316)	AT (	184.82,	-332.52)	GP	50.	1323.34839	(86120416)	AT (	-98.53,	-453.18)	GP

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

MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

** CONC OF MC_8 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	1514.55920	ON 86100416:	AT (582.99, 385.64, 0.00, 0.00)	GP	POLAR_1

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** Message Summary For ISC2 Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 328 Informational Message(s)

A Total of 328 Calm Hours Identified

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

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

APPENDIX E

ISCST2 OUTPUT LISTING

METHYLENE CHLORIDE 24-HOUR AVERAGE EMISSIONS

RUN: FMXMC24

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                ISCST2 - (DATED 93109)

                IBM-PC VERSION (2.11 ) ISCST2F
                (C) COPYRIGHT 1992, TRINITY CONSULTANTS, INC.
                SERIAL NUMBER 10573 SOLD TO CROSS, TESSITORE & ASSOC.

Run Began on  4/25/1995 at 12:32:00


*** TRINITY SOURCE FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXSRC.PNT
*** TRINITY DOWNWASH FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXBPIP.WAK
*** TRINITY RECEPTOR FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXREC.REC
CO STARTING
CO TITLEONE Foamex - 125 ft Foam Line & LBSR Stacks (GEP), 53 ft Exhaust Stacks
CO TITLETWO Methlyene Chloride 24-hr Average Emissions
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME 24
CO POLLUTID MC_24
CO TERRHGTS FLAT
CO ELEVUNIT FEET
CO RUNORNOT RUN
CO FINISHED
SO STARTING
SO LOCATION FOAMLINE POINT     175.87     119.79       0.00
SO SRCPARAM FOAMLINE 44.09920      38.10     299.82    24.5307      0.857
SO LOCATION LONGBUN POINT     152.40      17.07       0.00
SO SRCPARAM LONGBUN 25.72458      38.10     299.82    24.5307      0.857
SO LOCATION EXFAN_3 POINT     108.51      97.23       0.00
SO SRCPARAM EXFAN_3 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_4 POINT     108.51     110.64       0.00
SO SRCPARAM EXFAN_4 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_5 POINT     108.51     119.79       0.00
SO SRCPARAM EXFAN_5 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_6 POINT     108.51     135.64       0.00
SO SRCPARAM EXFAN_6 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_7 POINT     108.51     152.71       0.00
SO SRCPARAM EXFAN_7 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_8 POINT     108.51     168.86       0.00
SO SRCPARAM EXFAN_8 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_9 POINT     108.51     183.79       0.00
SO SRCPARAM EXFAN_9 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_10 POINT     108.51     192.94       0.00
SO SRCPARAM EXFAN_10 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_11 POINT     147.52      97.23       0.00
SO SRCPARAM EXFAN_11 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_12 POINT     147.52     110.64       0.00
SO SRCPARAM EXFAN_12 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_13 POINT     147.52     119.79       0.00
SO SRCPARAM EXFAN_13 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_14 POINT     147.52     135.64       0.00
SO SRCPARAM EXFAN_14 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_15 POINT     147.52     152.71       0.00
SO SRCPARAM EXFAN_15 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_16 POINT     147.52     168.86       0.00
SO SRCPARAM EXFAN_16 0.232214      16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_17 POINT     147.52     183.79       0.00
SO SRCPARAM EXFAN_17 0.232214      16.15     299.82    24.6109      1.105
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SO LOCATION EXFAN_18 POINT     147.52     192.94       0.00
SO SRCPARAM EXFAN_18 0.232214      16.15     299.82     24.6109       1.105
SO [redacted]ATION EXFAN_19 POINT     182.88     102.56       0.00
SO [redacted]PARAM EXFAN_19 0.232214      16.15     299.82     24.6109       1.105
SO BUILDHGT FOAMLINE    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT FOAMLINE    12.19    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT FOAMLINE    12.19    12.19    15.24    15.24    15.24    12.19
SO BUILDHGT FOAMLINE    12.19    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT FOAMLINE    12.19    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT FOAMLINE    12.19    12.19    15.24    15.24    15.24    15.24
SO BUILDWID  FOAMLINE      80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  FOAMLINE      39.97    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  FOAMLINE      37.02    33.83    93.48    88.29    80.42    12.19
SO BUILDWID  FOAMLINE      18.62    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  FOAMLINE      39.97    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  FOAMLINE      37.02    33.83    93.48    88.29    80.42    70.11
SO BUILDHGT LONGBUN    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT LONGBUN    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT LONGBUN    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT LONGBUN    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT LONGBUN    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT LONGBUN    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  LONGBUN      80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  LONGBUN      85.56    76.71    65.53    76.71    85.56    91.81
SO BUILDWID  LONGBUN      95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDWID  LONGBUN      80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  LONGBUN      85.56    76.71    65.53    76.71    85.56    91.81
SO BUILDWID  LONGBUN      95.26    95.83    93.48    88.29    80.42    70.11
S[redacted]LDHGT EXFAN_3    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_3    12.19    12.19    12.19    15.24    15.24    15.24
SO BUILDHGT EXFAN_3    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDHGT EXFAN_3    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_3    12.19    12.19    12.19    15.24    15.24    15.24
SO BUILDHGT EXFAN_3    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_3      116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_3      101.55   104.18   103.63    76.71    85.56    91.81
SO BUILDWID  EXFAN_3       95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDWID  EXFAN_3      116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_3       39.97    39.64    38.10    76.71    85.56    91.81
SO BUILDWID  EXFAN_3       95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_4    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_4    10.67    12.19    12.19    12.19    15.24    15.24
SO BUILDHGT EXFAN_4    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDHGT EXFAN_4    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_4    10.67    12.19    12.19    12.19    15.24    15.24
SO BUILDHGT EXFAN_4    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_4      116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_4      146.50   104.18   103.63   114.23    85.56    91.81
SO BUILDWID  EXFAN_4       95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDWID  EXFAN_4      116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_4      146.50    39.64    38.10    39.64    85.56    91.81
SO BUILDWID  EXFAN_4       95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_5    10.67    10.67    10.67    10.67    10.67    10.67
S[redacted]ILDHGT EXFAN_5    10.67    10.67    12.19    12.19    15.24    15.24
S[redacted]ILDHGT EXFAN_5    10.67    10.67    10.67    12.19    12.19    10.67
SO BUILDHGT EXFAN_5    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_5    10.67    10.67    12.19    12.19    15.24    15.24
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SO BUILDHGT EXFAN_5    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_5    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_5    146.50   135.51   103.63   114.23    85.56    91.81
SO BUILDWID  EXFAN_5    150.26   148.19   141.62   101.32    87.04    97.54
SO BUILDWID  EXFAN_5    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_5    146.50   135.51    38.10    39.64    85.56    91.81
SO BUILDWID  EXFAN_5     95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    12.19    10.67    10.67
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    12.19    12.19    15.24
SO BUILDHGT EXFAN_6    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_6    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_6    146.50   135.51   120.40   114.23   140.77   147.76
SO BUILDWID  EXFAN_6    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_6    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_6    146.50   135.51   120.40    39.64    39.97    91.81
SO BUILDWID  EXFAN_6     95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_7    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_7    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_7    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_7    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_7    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_7     95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_8    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_8    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_8    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_8    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_8    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_8    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_9    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_9    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_9    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_9    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_9    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_9    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_10   10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_10   10.67    10.67    10.67    10.67    10.67    10.67
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SO BUILDHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO [illegible]LDHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO [illegible]LDHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_10    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_10    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_10    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_10    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_10    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_10    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_11    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    12.19    12.19    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    12.19    12.19    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_11     80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  EXFAN_11     85.56   104.18   103.63    76.71    85.56    91.81
SO BUILDWID  EXFAN_11     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDWID  EXFAN_11     80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  EXFAN_11     85.56    39.64    38.10    76.71    85.56    91.81
SO BUILDWID  EXFAN_11     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_12    15.24    15.24    15.24    15.24    15.24    12.19
SO BUILDHGT EXFAN_12    12.19    12.19    12.19    12.19    12.19    15.24
SO BUILDHGT EXFAN_12    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_12    15.24    15.24    15.24    15.24    15.24    12.19
SO BUILDHGT EXFAN_12    12.19    12.19    12.19    12.19    12.19    15.24
SO BUILDHGT EXFAN_12    15.24    15.24    15.24    15.24    15.24    15.24
SO [illegible]LDWID  EXFAN_12     80.42    88.29    93.48    95.83    95.26    39.09
SO BUILDWID  EXFAN_12     39.97    39.64   103.63   114.23    39.97    91.81
SO BUILDWID  EXFAN_12     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDWID  EXFAN_12     80.42    88.29    93.48    95.83    95.26    39.09
SO BUILDWID  EXFAN_12     39.97    39.64    38.10    39.64    39.97    91.81
SO BUILDWID  EXFAN_12     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_13    15.24    15.24    15.24    15.24    10.67    10.67
SO BUILDHGT EXFAN_13    10.67    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT EXFAN_13    15.24    15.24    15.24    15.24    12.19    12.19
SO BUILDHGT EXFAN_13    15.24    15.24    15.24    15.24    10.67    10.67
SO BUILDHGT EXFAN_13    10.67    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT EXFAN_13    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_13     80.42    88.29    93.48    95.83   154.93   153.04
SO BUILDWID  EXFAN_13    146.50    39.64   103.63   114.23   121.36   124.80
SO BUILDWID  EXFAN_13     95.26    95.83    93.48    88.29    87.04    70.11
SO BUILDWID  EXFAN_13     80.42    88.29    93.48    95.83   154.93   153.04
SO BUILDWID  EXFAN_13    146.50    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  EXFAN_13     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_14    15.24    15.24    15.24    10.67    10.67    10.67
SO BUILDHGT EXFAN_14    10.67    10.67    10.67    10.67    12.19    12.19
SO BUILDHGT EXFAN_14    12.19    15.24    10.67    12.19    12.19    12.19
SO BUILDHGT EXFAN_14    12.19    12.19    15.24    10.97    10.97    10.67
SO BUILDHGT EXFAN_14    10.67    10.67    10.67    10.67    12.19    12.19
SO BUILDHGT EXFAN_14    12.19    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_14     80.42    88.29    93.48   152.11   154.93   153.04
SO [illegible]UILDWID  EXFAN_14    146.50   135.51   120.40   129.50   121.36   124.80
S[illegible]ILDWID  EXFAN_14    124.45    95.83   141.62   101.32    87.04    70.11
SO BUILDWID  EXFAN_14     80.42    88.29    93.48    24.97    24.41   153.04
SO BUILDWID  EXFAN_14    146.50   135.51   120.40   129.50    39.97    39.09
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SO BUILDWID  EXFAN_14     37.02    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_15    15.24    15.24    10.67    10.67    10.67    10.67
SO [redacted]DHGT EXFAN_15    10.67    10.67    10.67    10.67    10.67    10.67
SO [redacted]DHGT EXFAN_15    12.19    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_15    12.19    12.19    10.67    10.97    10.97    10.97
SO BUILDHGT EXFAN_15    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_15    12.19    12.19    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_15     80.42    88.29   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_15    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_15    124.45   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_15     80.42    88.29   144.67    24.97    24.41    23.11
SO BUILDWID  EXFAN_15    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_15     37.02    33.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_16    12.19    12.19    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_16    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_16    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_16    10.67    10.67    10.67    10.67    10.97    10.97
SO BUILDHGT EXFAN_16    10.97    10.97    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_16    10.67    12.19    12.19    12.19    12.19    12.19
SO BUILDWID  EXFAN_16     80.42    88.29   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_16    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_16    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_16    116.96   132.83   144.67   152.11    24.41    23.11
SO BUILDWID  EXFAN_16     21.10    18.45   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_16    150.26    33.83    29.61    24.49    87.04    70.11
SO BUILDHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO [redacted]LDHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO [redacted]DHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_17    10.97    10.97    10.97    10.97    10.97    10.67
SO BUILDHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_17    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_17    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_17    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_17    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_17     21.10    18.45    15.24    18.45    21.10   147.76
SO BUILDWID  EXFAN_17    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_18    10.67    10.67    10.97    10.97    10.97    10.97
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_18     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_18     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_18     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_18     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_18     146.50   135.51    15.24    18.45    21.10    23.11
SO BUILDWID  EXFAN_18     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_19    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_19    15.24    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT EXFAN_19    12.19    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_19    15.24    15.24    15.24    15.24    15.24    15.24
SO [redacted]LDHGT EXFAN_19    15.24    12.19    12.19    12.19    12.19    12.19
SO [redacted]LDHGT EXFAN_19    12.19    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_19     80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  EXFAN_19     85.56    39.64    38.10    39.64    39.97    39.09
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SO BUILDWID  EXFAN_19      37.02    95.83    93.48    88.29    80.42    70.11
SO BUILDWID  EXFAN_19      80.42    88.29    93.48    95.83    95.26    91.81
SO [redacted]DWID  EXFAN_19      85.56    39.64    38.10    39.64    39.97    39.09
SO [redacted]DWID  EXFAN_19      37.02    95.83    93.48    88.29    80.42    70.11
SO EMISUNIT 1000000.000000 GRAMS/SEC MICROGRAMS/M**3
SO SRCGROUP ALL
SO FINISHED
RE STARTING
RE GRIDPOLR POLAR_1  STA
RE GRIDPOLR POLAR_1  ORIG 106.68 110.64
RE GRIDPOLR POLAR_1  DIST 150.00 200.00 250.00 300.00
RE GRIDPOLR POLAR_1  DIST 350.00 400.00 450.00 500.00
RE GRIDPOLR POLAR_1  DIST 550.00 600.00 650.00 700.00
RE GRIDPOLR POLAR_1  DIST 750.00 800.00 850.00 900.00
RE GRIDPOLR POLAR_1  DIST 950.00 1000.00
RE GRIDPOLR POLAR_1  GDIR 36 10.00 10.00
RE GRIDPOLR POLAR_1  END
RE DISCCART 0.00 0.00
RE DISCCART 15.24 0.00
RE DISCCART 30.48 0.00
RE DISCCART 45.72 0.00
RE DISCCART 60.96 0.00
RE DISCCART 76.20 0.00
RE DISCCART 91.44 0.00
RE DISCCART 106.68 0.00
RE DISCCART 121.92 0.00
RE DISCCART 137.16 0.00
RE DISCCART 152.40 0.00
RE [redacted]CART 167.64 0.00
RE DISCCART 182.88 0.00
RE DISCCART 198.12 0.00
RE DISCCART 213.36 0.00
RE DISCCART 213.36 15.24
RE DISCCART 213.36 30.48
RE DISCCART 213.36 45.72
RE DISCCART 213.36 60.96
RE DISCCART 213.36 76.20
RE DISCCART 213.36 91.44
RE DISCCART 213.36 106.68
RE DISCCART 213.36 121.92
RE DISCCART 213.36 137.16
RE DISCCART 213.36 152.40
RE DISCCART 213.36 167.64
RE DISCCART 213.36 182.88
RE DISCCART 213.36 198.12
RE DISCCART 213.36 213.36
RE DISCCART 213.36 220.98
RE DISCCART 198.12 220.98
RE DISCCART 182.88 220.98
RE DISCCART 167.64 220.98
RE DISCCART 152.40 220.98
RE DISCCART 137.16 220.98
RE DISCCART 121.92 220.98
RE [redacted]CCART 106.68 220.98
RE [redacted]CCART 91.44 220.98
RE DISCCART 76.20 220.98
RE DISCCART 60.96 220.98
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RE DISCCART 45.72 220.98
RE DISCCART 30.48 220.98
RE DISCCART 15.24 220.98
RE DISCCART 0.00 220.98
RE DISCCART 0.00 213.36
RE DISCCART 0.00 198.12
RE DISCCART 0.00 182.88
RE DISCCART 0.00 167.64
RE DISCCART 0.00 152.40
RE DISCCART 0.00 137.16
RE DISCCART 0.00 121.92
RE DISCCART 0.00 106.68
RE DISCCART 0.00 91.44
RE DISCCART 0.00 76.20
RE DISCCART 0.00 60.96
RE DISCCART 0.00 45.72
RE DISCCART 0.00 30.48
RE DISCCART 0.00 15.24
RE FINISHED
ME STARTING
ME INPUTFIL D:\MODELDAT\ISCST2\FMXTEMP\ORLPRE86.BIN UNFORM
ME ANEMHGHT   10.000 METERS
ME SURFDATA 12815 1986 ORLANDO
ME UAIRDATA 12842 1986 TAMPA
ME STARTEND 1986 1 1 1 1986 12 31 24
ME FINISHED
OU STARTING
OU RECTABLE 24 FIRST
OU RECTABLE 24 50
OU FINISHED

**********************************
*** SETUP Finishes Successfully ***
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 *** ISCST2 - VERSION 93109 ***    *** Foamex - 125 ft Foam Line & LBSR Stacks (GEP), 53 ft Exhaust Stacks  ***        04/25/95
                                   *** Methlyene Chloride 24-hr Average Emissions                           ***        12:32:02
                                                                                                                       PAGE   1
 **MODELING OPTIONS USED:  CONC    RURAL  FLAT        DFAULT

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

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

**Model Uses RURAL Dispersion.

**Model Uses Regulatory DEFAULT Options:
          1. Final Plume Rise.
          2. Stack-tip Downwash.
          3. Buoyancy-induced Dispersion.
          4. Use Calms Processing Routine.
          5. Not Use Missing Data Processing Routine.
          6. Default Wind Profile Exponents.
          7. Default Vertical Potential Temperature Gradients.
          8. "Upper Bound" Values for Supersquat Buildings.
          9. No Exponential Decay for RURAL Mode

**Model Assumes Receptors on FLAT Terrain.

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  1 Short Term Average(s) of:  24-HR

**This Run Includes:   19 Source(s);      1 Source Group(s); and    706 Receptor(s)

**The Model Assumes A Pollutant Type of:  MC_24

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

**Output Options Selected:
        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: D:\MODELDAT\ISCST2\FMXTEMP\FMXMC24.DAT  ;  **Output Print File: D:\MODELDAT\ISCST2\FMXTEMP\FMXMC24.LST
```

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	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
FOAMLINE	0	0.44099E+02	175.9	119.8	0.0	38.10	299.82	24.53	0.86	YES	
LONGBUN	0	0.25725E+02	152.4	17.1	0.0	38.10	299.82	24.53	0.86	YES	
EXFAN_3	0	0.23221E+00	108.5	97.2	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_4	0	0.23221E+00	108.5	110.6	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_5	0	0.23221E+00	108.5	119.8	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_6	0	0.23221E+00	108.5	135.6	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_7	0	0.23221E+00	108.5	152.7	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_8	0	0.23221E+00	108.5	168.9	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_9	0	0.23221E+00	108.5	183.8	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_10	0	0.23221E+00	108.5	192.9	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_11	0	0.23221E+00	147.5	97.2	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_12	0	0.23221E+00	147.5	110.6	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_13	0	0.23221E+00	147.5	119.8	0.0	16.15	299.82	24.61	1.11	YES	
[illegible]_14	0	0.23221E+00	147.5	135.6	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_15	0	0.23221E+00	147.5	152.7	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_16	0	0.23221E+00	147.5	168.9	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_17	0	0.23221E+00	147.5	183.8	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_18	0	0.23221E+00	147.5	192.9	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_19	0	0.23221E+00	182.9	102.6	0.0	16.15	299.82	24.61	1.11	YES	

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: FOAMLINE

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	15.2,	91.8,	0
7	12.2,	40.0,	0	8	12.2,	39.6,	0	9	12.2,	38.1,	0	10	12.2,	39.6,	0	11	12.2,	40.0,	0	12	12.2,	39.1,	0
13	12.2,	37.0,	0	14	12.2,	33.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	12.2,	12.2,	0
19	12.2,	18.6,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	15.2,	91.8,	0
25	12.2,	40.0,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	12.2,	37.0,	0	32	12.2,	33.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: LONGBUN

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	15.2,	91.8,	0
7	15.2,	85.6,	0	8	15.2,	76.7,	0	9	15.2,	65.5,	0	10	15.2,	76.7,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	15.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	15.2,	91.8,	0
25	15.2,	85.6,	0	26	15.2,	76.7,	0	27	15.2,	65.5,	0	28	15.2,	76.7,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_3

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	12.2,	101.6,	0	8	12.2,	104.2,	0	9	12.2,	103.6,	0	10	15.2,	76.7,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	12.2,	40.0,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	15.2,	76.7,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_4

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	12.2,	104.2,	0	9	12.2,	103.6,	0	10	12.2,	114.2,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_5

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	12.2,	103.6,	0	10	12.2,	114.2,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	12.2,	101.3,	0	17	12.2,	87.0,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_6

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	12.2,	114.2,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_7

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_8

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_9

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_10

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_11

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	15.2,	91.8,	0
7	15.2,	85.6,	0	8	12.2,	104.2,	0	9	12.2,	103.6,	0	10	15.2,	76.7,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	15.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	15.2,	91.8,	0
25	15.2,	85.6,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	15.2,	76.7,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_12

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	12.2,	39.1,	0
7	12.2,	40.0,	0	8	12.2,	39.6,	0	9	12.2,	103.6,	0	10	12.2,	114.2,	0	11	12.2,	40.0,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	15.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	12.2,	39.1,	0
25	12.2,	40.0,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_13

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	12.2,	39.6,	0	9	12.2,	103.6,	0	10	12.2,	114.2,	0	11	12.2,	121.4,	0	12	12.2,	124.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	12.2,	87.0,	0	18	12.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_14

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	12.2,	121.4,	0	12	12.2,	124.8,	0
13	12.2,	124.5,	0	14	15.2,	95.8,	0	15	10.7,	141.6,	0	16	12.2,	101.3,	0	17	12.2,	87.0,	0	18	12.2,	70.1,	0
19	12.2,	80.4,	0	20	12.2,	88.3,	0	21	15.2,	93.5,	0	22	11.0,	25.0,	0	23	11.0,	24.4,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	12.2,	37.0,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_15

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	12.2,	124.5,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	12.2,	80.4,	0	20	12.2,	88.3,	0	21	10.7,	144.7,	0	22	11.0,	25.0,	0	23	11.0,	24.4,	0	24	11.0,	23.1,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	12.2,	37.0,	0	32	12.2,	33.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_16

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	12.2,	80.4,	0	2	12.2,	88.3,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	11.0,	24.4,	0	24	11.0,	23.1,	0
25	11.0,	21.1,	0	26	11.0,	18.4,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	12.2,	33.8,	0	33	12.2,	29.6,	0	34	12.2,	24.5,	0	35	12.2,	87.0,	0	36	12.2,	70.1,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_17

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	11.0,	21.1,	0	26	11.0,	18.4,	0	27	11.0,	15.2,	0	28	11.0,	18.4,	0	29	11.0,	21.1,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_18

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	11.0,	15.2,	0	28	11.0,	18.4,	0	29	11.0,	21.1,	0	30	11.0,	23.1,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_19

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	15.2,	91.8,	0
7	15.2,	85.6,	0	8	12.2,	39.6,	0	9	12.2,	38.1,	0	10	12.2,	39.6,	0	11	12.2,	40.0,	0	12	12.2,	39.1,	0
13	12.2,	37.0,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	15.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	15.2,	91.8,	0
25	15.2,	85.6,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	12.2,	37.0,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

*** ORIGIN FOR POLAR NETWORK ***

X-ORIG = 106.68 ; Y-ORIG = 110.64 (METERS)

*** DISTANCE RANGES OF NETWORK ***
(METERS)

150.0, 200.0, 250.0, 300.0, 350.0, 400.0, 450.0, 500.0, 550.0, 600.0,
650.0, 700.0, 750.0, 800.0, 850.0, 900.0, 950.0, 1000.0,

*** DIRECTION RADIALS OF NETWORK ***
(DEGREES)

10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0,
110.0, 120.0, 130.0, 140.0, 150.0, 160.0, 170.0, 180.0, 190.0, 200.0,
210.0, 220.0, 230.0, 240.0, 250.0, 260.0, 270.0, 280.0, 290.0, 300.0,
310.0, 320.0, 330.0, 340.0, 350.0, 360.0,

** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

(0.0,	0.0,	0.0,	0.0);	(15.2,	0.0,	0.0,	0.0);
(30.5,	0.0,	0.0,	0.0);	(45.7,	0.0,	0.0,	0.0);
(61.0,	0.0,	0.0,	0.0);	(76.2,	0.0,	0.0,	0.0);
(91.4,	0.0,	0.0,	0.0);	(106.7,	0.0,	0.0,	0.0);
(121.9,	0.0,	0.0,	0.0);	(137.2,	0.0,	0.0,	0.0);
(152.4,	0.0,	0.0,	0.0);	(167.6,	0.0,	0.0,	0.0);
(182.9,	0.0,	0.0,	0.0);	(198.1,	0.0,	0.0,	0.0);
(213.4,	0.0,	0.0,	0.0);	(213.4,	15.2,	0.0,	0.0);
(213.4,	30.5,	0.0,	0.0);	(213.4,	45.7,	0.0,	0.0);
(213.4,	61.0,	0.0,	0.0);	(213.4,	76.2,	0.0,	0.0);
(213.4,	91.4,	0.0,	0.0);	(213.4,	106.7,	0.0,	0.0);
(213.4,	121.9,	0.0,	0.0);	(213.4,	137.2,	0.0,	0.0);
(213.4,	152.4,	0.0,	0.0);	(213.4,	167.6,	0.0,	0.0);
(213.4,	182.9,	0.0,	0.0);	(213.4,	198.1,	0.0,	0.0);
(213.4,	213.4,	0.0,	0.0);	(213.4,	221.0,	0.0,	0.0);
(198.1,	221.0,	0.0,	0.0);	(182.9,	221.0,	0.0,	0.0);
(167.6,	221.0,	0.0,	0.0);	(152.4,	221.0,	0.0,	0.0);
(137.2,	221.0,	0.0,	0.0);	(121.9,	221.0,	0.0,	0.0);
(106.7,	221.0,	0.0,	0.0);	(91.4,	221.0,	0.0,	0.0);
(76.2,	221.0,	0.0,	0.0);	(61.0,	221.0,	0.0,	0.0);
(45.7,	221.0,	0.0,	0.0);	(30.5,	221.0,	0.0,	0.0);
(15.2,	221.0,	0.0,	0.0);	(0.0,	221.0,	0.0,	0.0);
(0.0,	213.4,	0.0,	0.0);	(0.0,	198.1,	0.0,	0.0);
(0.0,	182.9,	0.0,	0.0);	(0.0,	167.6,	0.0,	0.0);
(0.0,	152.4,	0.0,	0.0);	(0.0,	137.2,	0.0,	0.0);
(0.0,	121.9,	0.0,	0.0);	(0.0,	106.7,	0.0,	0.0);
(0.0,	91.4,	0.0,	0.0);	(0.0,	76.2,	0.0,	0.0);
(0.0,	61.0,	0.0,	0.0);	(0.0,	45.7,	0.0,	0.0);
(0.0,	30.5,	0.0,	0.0);	(0.0,	15.2,	0.0,	0.0);

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

* SOURCE-RECEPTOR COMBINATIONS LESS THAN 1.0 METER OR 3*ZLB *
IN DISTANCE. CALCULATIONS MAY NOT BE PERFORMED.

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
LONGBUN	121.9	0.0	34.93
LONGBUN	137.2	0.0	22.88
LONGBUN	152.4	0.0	17.07
LONGBUN	167.6	0.0	22.88
LONGBUN	182.9	0.0	34.93
EXFAN_10	121.9	221.0	31.08
EXFAN_10	106.7	221.0	28.10
EXFAN_18	152.4	221.0	28.46
EXFAN_18	137.2	221.0	29.89
EXFAN_19	213.4	91.4	32.45
EXFAN_19	213.4	106.7	30.76
EXFAN_19	213.4	121.9	36.11

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
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METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 86 1 1 1
AND END DATE: 86 12 31 24

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
B	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
C	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
D	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
E	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00
F	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00

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

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

FILE: D:\MODELDAT\ISCST2\FMXTEMP\ORLPRE86.BIN FORMAT: UNFORM
SURFACE STATION NO.: 12815 UPPER AIR STATION NO.: 12842
NAME: ORLANDO NAME: TAMPA
YEAR: 1986 YEAR: 1986

YEAR	MONTH	DAY	HOUR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN
86	1	1	1	1.0	3.60	289.3	4	639.0	639.0
86	1	1	2	168.0	5.14	288.7	4	639.0	639.0
86	1	1	3	124.0	3.09	288.2	4	639.0	639.0
86	1	1	4	353.0	2.57	288.2	4	639.0	639.0
86	1	1	5	333.0	2.57	288.7	4	639.0	639.0
86	1	1	6	332.0	2.57	288.7	4	639.0	639.0
86	1	1	7	335.0	3.09	288.7	4	639.0	639.0
86	1	1	8	3.0	3.60	289.3	4	639.0	639.0
86	1	1	9	347.0	3.60	289.8	4	639.0	639.0
86	1	1	10	1.0	5.14	292.0	4	639.0	639.0
86	1	1	11	14.0	4.63	292.6	4	639.0	639.0
86	1	1	12	16.0	4.12	294.3	4	639.0	639.0
86	1	1	13	73.0	3.09	295.4	4	639.0	639.0
86	1	1	14	49.0	3.60	297.0	4	639.0	639.0
86	1	1	15	142.0	2.06	296.5	4	639.0	639.0
86	1	1	16	144.0	2.06	295.9	4	639.0	639.0
86	1	1	17	261.0	2.06	295.4	4	639.0	639.0
86	1	1	18	257.0	2.06	292.6	4	644.0	644.0
86	1	1	19	274.0	3.60	291.5	4	655.0	655.0
86	1	1	20	227.0	3.09	290.9	4	666.0	666.0
86	1	1	21	230.0	3.09	290.9	4	678.0	678.0
86	1	1	22	252.0	2.57	290.4	5	689.0	477.0
86	1	1	23	290.0	2.06	290.4	4	700.0	700.0
86	1	1	24	290.0	1.00	290.4	4	712.0	712.0

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

** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF MC_24 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 150.00	200.00	250.00	300.00	350.00
10.0	55.56037c(86071324)	101.85667c(86071324)	147.00342c(86071324)	175.07025c(86071324)	185.63440c(86071324)
20.0	45.87034c(86071324)	78.26346c(86071324)	104.51109c(86071324)	113.94444c(86071324)	109.83424c(86071324)
30.0	34.85361c(86060824)	60.92694c(86060824)	79.76337c(86060824)	87.28581c(86053124)	93.26400c(86053124)
40.0	30.97959c(86060824)	49.69524c(86053124)	87.17253c(86053124)	108.92686c(86053124)	136.50319 (86080424)
50.0	23.36134 (86022724)	49.02425c(86053124)	76.21497c(86053124)	97.47431 (86072624)	127.29771 (86072624)
60.0	22.24252 (86022724)	35.45542c(86053124)	62.84785c(86071524)	92.20586c(86072024)	122.36773c(86072024)
70.0	19.37024 (86011924)	32.14171c(86071524)	55.85813c(86072024)	96.78310c(86072024)	129.53244c(86072024)
80.0	23.27545 (86012724)	27.37317c(86071524)	49.56086c(86071524)	74.39472 (86091224)	102.66043 (86091224)
90.0	24.25759 (86012724)	27.73889 (86012724)	48.58381c(86071524)	80.29446c(86071524)	102.28485c(86071524)
100.0	26.16431 (86012724)	28.65858 (86012724)	35.34792c(86050824)	68.25157c(86071524)	92.85957c(86071524)
110.0	24.61763 (86012724)	27.29133 (86042924)	44.18016 (86042924)	72.26462c(86050824)	106.42160 (86042924)
[illegible].0	18.96981c(86012824)	31.07838 (86042624)	55.11917 (86042624)	86.92498c(86090224)	112.21865 (86042824)
[illegible].0	19.84970c(86012824)	28.53890 (86042624)	55.48365 (86042624)	93.84641 (86042624)	128.41078 (86042624)
140.0	26.09142 (86011124)	28.71069 (86032124)	40.97551 (86050324)	67.08604 (86042824)	99.74294 (86042824)
150.0	37.44098 (86011124)	42.74272 (86011124)	50.37821 (86101624)	82.18173 (86101624)	116.27995 (86101624)
160.0	26.74447 (86011124)	34.57371c(86082324)	60.89515 (86110324)	84.57645 (86110324)	100.04605 (86110324)
170.0	33.02415 (86032224)	48.59612c(86082324)	78.01653c(86082324)	103.14156 (86110324)	137.10954 (86110324)
180.0	24.99319c(86111324)	52.03496c(86082324)	84.40516c(86082324)	114.66895c(86082324)	131.12253c(86082324)
190.0	34.58327c(86111324)	58.83273c(86082324)	85.47725c(86082324)	106.95098c(86082324)	118.16646c(86082324)
200.0	45.57975c(86111324)	76.51036c(86082324)	107.17382c(86082324)	126.48335c(86082324)	135.36617c(86111324)
210.0	48.52880c(86082324)	85.96761c(86082324)	120.42270c(86082324)	143.95493c(86082324)	152.19318c(86082324)
220.0	41.81482c(86082324)	74.74484c(86082324)	103.48450c(86082324)	123.69124c(86082324)	133.74594c(86082324)
230.0	50.86782c(86051724)	77.07717c(86051124)	108.30008 (86062624)	131.60678 (86062624)	142.25127 (86062624)
240.0	55.09605c(86051724)	73.22336c(86051724)	107.33964 (86062624)	132.52864 (86062624)	145.19907 (86062624)
250.0	55.31497c(86051724)	75.54292c(86051724)	97.29888 (86062624)	116.96647 (86062624)	128.36505 (86062624)
260.0	50.77473c(86051724)	70.65235c(86051324)	101.97304c(86051324)	123.00665c(86051324)	134.64575c(86051324)
270.0	51.14618c(86051724)	77.35516 (86043024)	102.03886c(86051324)	122.50985c(86051324)	133.59760c(86051324)
280.0	63.46465 (86043024)	97.93747 (86043024)	117.16940 (86043024)	123.34377 (86043024)	136.24449 (86062324)
290.0	64.53899c(86051724)	102.18845 (86040624)	135.02544 (86040624)	151.71022 (86040624)	156.78134 (86040624)
300.0	67.00979c(86051724)	110.35693 (86040624)	151.96704 (86040624)	176.68732 (86040624)	187.28772 (86040624)
310.0	63.33781c(86051724)	106.18172 (86040624)	143.38708 (86040624)	159.90533 (86040624)	161.01295 (86040624)
320.0	61.31618 (86071724)	101.62846c(86052924)	131.44807c(86052924)	141.28874c(86052924)	135.98943c(86052924)
330.0	54.62953 (86071724)	86.68478c(86052924)	103.42849c(86052924)	119.99258c(86082524)	133.83002c(86082524)
340.0	57.98057 (86080524)	82.82822 (86080524)	103.66777c(86082724)	122.93308c(86082724)	133.21082 (86031224)
350.0	60.21321 (86080524)	92.60868 (86080524)	118.93644c(86071324)	139.25653c(86071324)	146.69107c(86071324)
360.0	56.81026c(86071324)	101.24566c(86071324)	145.92085c(86071324)	175.40163c(86071324)	189.20056c(86071324)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF MC_24 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 400.00	450.00	500.00	550.00	600.00
10.0	184.48569c(86071324)	177.66129c(86071324)	168.33833c(86071324)	158.31200c(86071324)	148.79144c(86071324)
20.0	113.28397c(86010224)	118.64873c(86010224)	119.54015c(86010224)	118.07236 (86080224)	126.04975 (86072324)
30.0	102.24459 (86080424)	109.21805 (86080424)	111.89437 (86080424)	112.92631c(86081924)	118.62038c(86081924)
40.0	155.24364 (86080424)	162.50734 (86080424)	162.33612 (86080424)	156.59705 (86080424)	147.88954 (86080424)
50.0	144.03011 (86072624)	149.44510 (86072624)	147.88605 (86072624)	141.88722 (86072624)	133.91402 (86072624)
60.0	141.61281c(86072024)	151.77225 (86100424)	166.88014 (86100424)	173.02678 (86100424)	172.42799 (86100424)
70.0	147.55057c(86072024)	165.93016c(86081824)	192.46080c(86081824)	209.10349c(86081824)	217.41370c(86081824)
80.0	117.08639 (86091224)	121.61725c(86081824)	133.27142c(86081824)	138.17389c(86081824)	138.67236c(86081824)
90.0	120.64960c(86071924)	138.42462c(86071924)	148.65266c(86071924)	152.69991c(86071924)	152.49356c(86071924)
100.0	116.53101c(86071924)	132.70654c(86071924)	142.52744c(86071924)	147.05592c(86071924)	147.87634c(86071924)
110.0	139.27866 (86042924)	164.38148 (86042924)	180.86865 (86042924)	189.64305 (86042924)	192.65807 (86042924)
120.0	136.82391c(86052224)	156.26820c(86052224)	166.77840c(86052224)	170.54689 (86042924)	174.51183 (86042924)
130.0	150.56459 (86042624)	159.93100 (86042624)	160.02187 (86042624)	168.55869c(86012824)	176.16460c(86012824)
140.0	123.03412 (86042824)	135.96329 (86042824)	140.73149 (86042824)	140.37047 (86042624)	137.79933 (86042624)
150.0	145.28554 (86101624)	165.66678 (86101624)	176.95543 (86101624)	180.69896 (86101624)	178.83983 (86101624)
160.0	124.82401 (86101624)	153.01511 (86101624)	176.67613 (86101624)	196.16187 (86101624)	211.70418 (86101624)
170.0	160.45055 (86110324)	172.93742 (86110324)	176.11568 (86110324)	173.63304 (86110324)	167.44540 (86110324)
180.0	132.14314c(86082324)	144.47597 (86110324)	157.65581 (86110324)	165.74168 (86110324)	169.79544 (86110324)
190.0	119.10469c(86082324)	112.12966c(86082324)	108.64734 (86102124)	109.05787 (86102124)	107.32657 (86102124)
200.0	143.29358c(86111324)	144.81842c(86111324)	149.39372 (86120424)	152.61397 (86120424)	151.21733 (86120424)
210.0	149.95950c(86111324)	156.66183c(86111324)	159.28929c(86111324)	158.78192c(86111324)	156.13696c(86111324)
220.0	134.82683c(86082324)	142.93343 (86060524)	155.94745 (86060524)	164.96161 (86060524)	170.50012 (86060524)
230.0	144.41762 (86062624)	140.97180 (86062624)	135.55258c(86051124)	129.75044c(86051124)	128.52174 (86010924)
240.0	147.66762 (86062624)	143.45348 (86062624)	140.04671 (86091524)	135.00667 (86091524)	127.49316 (86091524)
250.0	141.70226 (86091524)	150.23099 (86091524)	154.59055 (86091524)	155.59715 (86091524)	154.09660 (86091524)
260.0	139.93988c(86051324)	140.04230c(86051324)	136.99197c(86051324)	132.29935c(86051324)	126.91828c(86051324)
270.0	138.14896c(86051324)	137.44234c(86051324)	133.81522c(86051324)	128.81038c(86051324)	123.32471c(86051324)
280.0	150.08302 (86062324)	158.32251 (86062324)	162.12509 (86062324)	162.58211 (86062324)	160.60800 (86062324)
290.0	154.65794 (86040624)	148.11601 (86040624)	139.72710 (86040624)	137.32373 (86062324)	136.25554 (86062324)
300.0	188.00044 (86040624)	181.54720 (86040624)	171.35493 (86040624)	160.48564 (86030924)	171.03204 (86030924)
310.0	153.96880 (86040624)	142.08629 (86040624)	134.02997c(86100324)	131.14406c(86100324)	126.09286c(86100324)
320.0	130.05159 (86081124)	134.50310 (86081124)	134.27618 (86081124)	131.12750 (86081124)	126.34693 (86081124)
330.0	141.12970c(86082524)	142.87305c(86082524)	140.37665c(86082524)	150.40802 (86031324)	162.33328 (86031324)
340.0	157.54929 (86031224)	175.91023 (86031224)	188.06226 (86031224)	194.69640 (86031224)	196.84816 (86031224)
350.0	153.51379 (86100924)	157.34477 (86100924)	156.41151 (86100924)	152.84171 (86100924)	148.02983 (86100924)
360.0	192.23102c(86071324)	189.70242c(86071324)	184.05286c(86071324)	177.02625c(86071324)	169.92856c(86071324)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 ,
EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF MC_24 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 650.00	700.00	750.00	800.00	850.00
10.0	147.28722 (86082024)	157.44051 (86082024)	165.55409 (86082024)	171.71819 (86082024)	176.10085 (86082024)
20.0	133.54170 (86072324)	138.17868 (86072324)	140.39281 (86072324)	140.71571 (86072324)	139.58357 (86072324)
30.0	121.29885c(86081924)	121.58787c(86081924)	120.08604c(86081924)	117.32069c(86081924)	113.71882c(86081924)
40.0	143.02965 (86072824)	137.46234 (86072824)	131.07021 (86072824)	125.48031 (86070224)	124.94184 (86070224)
50.0	125.48349 (86072624)	117.34436 (86072624)	109.79641 (86072624)	111.36689 (86112024)	115.82697 (86112024)
60.0	167.53583 (86100424)	160.13780 (86100424)	151.45729 (86100424)	142.29460 (86100424)	133.15036 (86100424)
70.0	219.68213c(86081824)	217.85995c(86081824)	213.41753c(86081824)	207.39177c(86081824)	200.48509c(86081824)
80.0	136.80406c(86081824)	133.79329c(86081824)	130.27853c(86081824)	126.55519c(86081824)	122.74473c(86081824)
90.0	149.84581c(86071924)	145.95995c(86071924)	141.61636c(86071924)	137.32399c(86071924)	133.30914c(86071924)
100.0	146.31125c(86071924)	143.20897c(86071924)	139.11237c(86071924)	134.37733c(86071924)	129.24951c(86071924)
110.0	191.77039 (86042924)	188.36449 (86042924)	183.30444 (86042924)	177.40491 (86042924)	171.06500 (86042924)
120.0	173.27284 (86042924)	168.57726 (86042924)	161.77293 (86042924)	153.81432 (86042924)	145.34846 (86042924)
130.0	178.86432c(86012824)	178.00917c(86012824)	174.72435c(86012824)	169.85143c(86012824)	164.00400c(86012824)
140.0	133.36577 (86042624)	128.08469 (86042624)	122.51452 (86042624)	116.94805 (86042624)	111.53008 (86042624)
150.0	173.24353 (86101624)	165.37749 (86101624)	156.29433 (86101624)	146.71419 (86101624)	137.10960 (86101624)
160.0	223.90022 (86101624)	233.20280 (86101624)	239.95610 (86101624)	244.46034 (86101624)	246.99931 (86101624)
170.0	159.42375 (86110324)	165.36879 (86120524)	178.22339 (86120524)	187.62172 (86120524)	193.84846 (86120524)
180.0	171.07086 (86110324)	170.41965 (86110324)	168.40855 (86110324)	172.98907 (86122824)	182.05566 (86122824)
190.0	104.48763 (86102124)	101.14850 (86102124)	99.34850c(86111324)	97.49444c(86111324)	99.88276c(86122624)
200.0	146.76967 (86120424)	140.50847 (86120424)	133.31447 (86120424)	131.25850 (86102824)	136.70152 (86102824)
210.0	152.00459c(86111324)	146.84314c(86111324)	141.01526c(86111324)	134.79314c(86111324)	128.37917c(86111324)
220.0	173.12691 (86060524)	173.37611 (86060524)	171.73834 (86060524)	170.20036 (86010824)	174.67561 (86010824)
230.0	143.77376 (86010924)	156.21533 (86010924)	165.83379 (86010924)	172.83781 (86010924)	177.52766 (86010924)
240.0	129.37837 (86010924)	139.70329 (86010924)	148.06476 (86010924)	154.57997 (86010924)	159.42223 (86010924)
250.0	150.85799 (86091524)	146.51540 (86091524)	141.55528 (86091524)	136.32928 (86091524)	131.07744 (86091524)
260.0	121.42855c(86051324)	116.15450c(86051324)	111.26315c(86051324)	106.82650c(86051324)	106.36222c(86091024)
270.0	118.05250 (86051624)	119.22440 (86051624)	120.58371 (86051524)	122.00550 (86051524)	122.48221 (86051524)
280.0	156.93172 (86062324)	152.11279 (86062324)	146.57658 (86062324)	140.64311 (86062324)	134.53889 (86062324)
290.0	134.35873 (86062324)	132.63609 (86052624)	130.05443 (86052624)	126.86044 (86052624)	125.94155 (86030924)
300.0	178.28847 (86030924)	182.62309 (86030924)	184.49586 (86030924)	184.39687 (86030924)	182.82353 (86030924)
310.0	119.84199c(86100324)	126.89438 (86122324)	132.52881 (86122324)	136.34557 (86122324)	138.58162 (86122324)
320.0	120.79566 (86081124)	115.01321 (86081124)	109.31853 (86081124)	103.88702 (86081124)	98.80438 (86081124)
330.0	172.19728 (86031324)	179.91151 (86031324)	185.54893 (86031324)	189.33333 (86031324)	191.64348 (86031324)
340.0	195.57593 (86031224)	191.81635 (86031224)	186.33867 (86031224)	179.74464 (86031224)	172.48967 (86031224)
350.0	142.78542 (86100924)	137.53423 (86100924)	132.47035 (86100924)	127.66232 (86100924)	123.12165 (86100924)
360.0	163.28110c(86071324)	159.86853 (86112624)	157.23924 (86112624)	154.70735 (86082024)	164.13890 (86082024)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF MC_24 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 900.00	950.00	1000.00
10.0	178.91353 (86082024)	179.88495 (86082024)	179.60182 (86082024)
20.0	137.37213 (86072324)	134.26016 (86072324)	132.47954 (86011024)
30.0	110.18386 (86071024)	110.26388 (86071024)	109.99041 (86071024)
40.0	123.37366 (86070224)	121.07886 (86070224)	117.99783 (86070224)
50.0	119.01730 (86112024)	121.08447 (86112024)	121.93604 (86112024)
60.0	124.32203 (86100424)	115.97645 (86100424)	108.17849 (86100424)
70.0	193.16055c(86081824)	185.71640c(86081824)	178.34023c(86081824)
80.0	118.89301c(86081824)	115.01925c(86081824)	111.13718c(86081824)
90.0	129.69093c(86071924)	126.50230c(86071924)	123.72861c(86071924)
100.0	123.90491c(86071924)	118.47368c(86071924)	113.05337c(86071924)
110.0	164.57899 (86042924)	158.11237 (86042924)	151.78955 (86042924)
120.0	136.80235 (86042924)	133.39671 (86022024)	132.94292 (86022024)
130.0	157.63097c(86012824)	151.01295c(86012824)	144.32401c(86012824)
140.0	108.11529 (86032124)	110.07616 (86122924)	113.20330 (86122924)
150.0	127.77665 (86101624)	122.35919 (86032124)	121.24368 (86032124)
160.0	247.84688 (86101624)	247.22655 (86101624)	245.45540 (86101624)
170.0	197.35126 (86120524)	198.60835 (86120524)	197.93709 (86120524)
180.0	188.69978 (86122824)	193.05244 (86122824)	195.16173 (86122824)
190.0	105.75274c(86122624)	110.47982c(86122624)	113.75773c(86122624)
200.0	141.03203 (86102824)	144.36028 (86102824)	146.08055 (86102824)
210.0	123.46067 (86101924)	122.24488 (86101924)	123.75665 (86010724)
220.0	177.24992 (86010824)	178.08246 (86010824)	176.83656 (86010824)
230.0	180.26094 (86010924)	181.18013 (86010924)	179.93315 (86010924)
240.0	162.80098 (86010924)	164.54182 (86010924)	164.55099 (86010924)
250.0	125.95400 (86091524)	120.97128 (86091524)	116.08880 (86091524)
260.0	107.99807c(86091024)	108.66051c(86091024)	107.97292c(86091024)
270.0	122.18694 (86051524)	121.08537 (86051524)	119.03031 (86051524)
280.0	128.42958 (86062324)	122.34454 (86062324)	116.26172 (86062324)
290.0	125.55436 (86030924)	123.93582 (86030924)	121.17481 (86030924)
300.0	180.09143 (86030924)	176.10596 (86030924)	170.83446 (86030924)
310.0	139.52470 (86122324)	139.22679 (86122324)	137.09572 (86122324)
320.0	95.88632 (86031324)	94.88271 (86031324)	93.27545 (86031324)
330.0	192.45073 (86031324)	191.49669 (86031324)	189.22551 (86031324)
340.0	164.92162 (86031224)	157.24016 (86031224)	149.53731 (86031224)
350.0	118.83031 (86100924)	114.56316 (86100924)	110.45533 (86100924)
360.0	171.98863 (86082024)	177.59918 (86082024)	181.78137 (86082024)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF MC_24 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
0.00	0.00	47.50154c	(86051724)	15.24	0.00	38.13997c	(86051724)
30.48	0.00	35.50177c	(86082324)	45.72	0.00	31.50035c	(86082324)
60.96	0.00	31.72360c	(86111324)	76.20	0.00	28.17013c	(86111324)
91.44	0.00	21.38367c	(86111324)	106.68	0.00	22.04741c	(86111324)
121.92	0.00	20.38531	(86032224)	137.16	0.00	32.50046	(86032224)
152.40	0.00	21.76116	(86011124)	167.64	0.00	24.79343	(86011124)
182.88	0.00	35.97385	(86011124)	198.12	0.00	25.94607	(86011124)
213.36	0.00	24.81651	(86011124)	213.36	15.24	20.25550	(86011124)
213.36	30.48	16.32053c	(86012824)	213.36	45.72	15.07500	(86012724)
213.36	60.96	21.64715	(86012724)	213.36	76.20	24.29000	(86012724)
213.36	91.44	19.86709	(86012724)	213.36	106.68	15.09580	(86012724)
213.36	121.92	16.52388	(86012724)	213.36	137.16	15.87096	(86012724)
213.36	152.40	14.67054	(86012724)	213.36	167.64	18.34954	(86022724)
213.36	182.88	19.48064	(86022724)	213.36	198.12	21.07750	(86022724)
213.36	213.36	25.71371c	(86060824)	213.36	220.98	28.67378c	(86060824)
198.12	220.98	29.13867c	(86060824)	182.88	220.98	27.90601c	(86060824)
167.64	220.98	24.95761c	(86060824)	152.40	220.98	27.61042c	(86071324)
137.16	220.98	29.27620c	(86071324)	121.92	220.98	29.92634c	(86071324)
106.68	220.98	30.10814c	(86061424)	91.44	220.98	34.75282	(86080524)
76.20	220.98	44.68061	(86031324)	60.96	220.98	40.14549	(86080524)
45.72	220.98	39.85207	(86080524)	30.48	220.98	47.35563	(86071724)
15.24	220.98	56.35637	(86071724)	0.00	220.98	64.90476	(86071724)
0.00	213.36	61.14838	(86071724)	0.00	198.12	54.51085c	(86051724)
0.00	182.88	49.16234c	(86051724)	0.00	167.64	43.77223c	(86051724)
0.00	152.40	38.51183c	(86051724)	0.00	137.16	33.58053c	(86051724)
0.00	121.92	29.98244c	(86051724)	0.00	106.68	28.42477c	(86051724)
0.00	91.44	29.55272c	(86051724)	0.00	76.20	33.30820c	(86051724)
0.00	60.96	37.71082c	(86051724)	0.00	45.72	41.44720c	(86051724)
0.00	30.48	44.26009c	(86051724)	0.00	15.24	46.30190c	(86051724)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, LONGBUN , EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

** CONC OF MC_24 IN MICROGRAMS/M**3 **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	247.84688	(86101624)	AT (	414.50,	-735.08)	GP	26.	193.16055c	(86081824)	AT (	952.40,	418.46)	GP
2.	247.22655	(86101624)	AT (	431.60,	-782.07)	GP	27.	193.05244	(86122824)	AT (	106.68,	-839.36)	GP
3.	246.99931	(86101624)	AT (	397.40,	-688.10)	GP	28.	192.65807	(86042924)	AT (	670.50,	-94.57)	GP
4.	245.45540	(86101624)	AT (	448.70,	-829.05)	GP	29.	192.46080c	(86081824)	AT (	576.53,	281.65)	GP
5.	244.46034	(86101624)	AT (	380.30,	-641.11)	GP	30.	192.45073	(86031324)	AT (	-343.32,	890.06)	GP
6.	239.95610	(86101624)	AT (	363.20,	-594.13)	GP	31.	192.23102c	(86071324)	AT (	106.68,	510.64)	GP
7.	233.20280	(86101624)	AT (	346.09,	-547.14)	GP	32.	191.81635	(86031224)	AT (	-132.73,	768.42)	GP
8.	223.90022	(86101624)	AT (	328.99,	-500.16)	GP	33.	191.77039	(86042924)	AT (	717.48,	-111.67)	GP
9.	219.68213c	(86081824)	AT (	717.48,	332.95)	GP	34.	191.64348	(86031324)	AT (	-318.32,	846.76)	GP
10.	217.85995c	(86081824)	AT (	764.46,	350.05)	GP	35.	191.49669	(86031324)	AT (	-368.32,	933.36)	GP
11.	217.41370c	(86081824)	AT (	670.50,	315.85)	GP	36.	189.70242c	(86071324)	AT (	106.68,	560.64)	GP
12.	213.41753c	(86081824)	AT (	811.45,	367.16)	GP	37.	189.64305	(86042924)	AT (	623.51,	-77.47)	GP
13.	211.70418	(86101624)	AT (	311.89,	-453.18)	GP	38.	189.33333	(86031324)	AT (	-293.32,	803.46)	GP
14.	209.10349c	(86081824)	AT (	623.51,	298.75)	GP	39.	189.22551	(86031324)	AT (	-393.32,	976.67)	GP
15.	207.39177c	(86081824)	AT (	858.43,	384.26)	GP	40.	189.20056c	(86071324)	AT (	106.68,	460.64)	GP
16.	200.48509c	(86081824)	AT (	905.42,	401.36)	GP	41.	188.69978	(86122824)	AT (	106.68,	-789.36)	GP
17.	198.60835	(86120524)	AT (	271.65,	-824.93)	GP	42.	188.36449	(86042924)	AT (	764.46,	-128.77)	GP
18.	197.93709	(86120524)	AT (	280.33,	-874.17)	GP	43.	188.06226	(86031224)	AT (	-64.33,	580.49)	GP
19.	197.35126	(86120524)	AT (	262.96,	-775.69)	GP	44.	188.00044	(86040624)	AT (	-239.73,	310.64)	GP
20.	196.84816	(86031224)	AT (	-98.53,	674.46)	GP	45.	187.62172	(86120524)	AT (	245.60,	-677.21)	GP
21.	196.16187	(86101624)	AT (	294.79,	-406.19)	GP	46.	187.28772	(86040624)	AT (	-196.43,	285.64)	GP
22.	195.57593	(86031224)	AT (	-115.63,	721.44)	GP	47.	186.33867	(86031224)	AT (	-149.84,	815.41)	GP
23.	195.16173	(86122824)	AT (	106.68,	-889.36)	GP	48.	185.71640c	(86081824)	AT (	999.39,	435.56)	GP
24.	194.69640	(86031224)	AT (	-81.43,	627.47)	GP	49.	185.63440c	(86071324)	AT (	167.46,	455.32)	GP
25.	193.84846	(86120524)	AT (	254.28,	-726.45)	GP	50.	185.54893	(86031324)	AT (	-268.32,	760.16)	GP

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

** CONC OF MC_24 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL HIGH 1ST HIGH VALUE IS	247.84688	ON 86101624:	AT (414.50, -735.08, 0.00, 0.00)	GP	POLAR_1

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** Message Summary For ISC2 Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 330 Informational Message(s)

A Total of 330 Calm Hours Identified

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

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

****
*** ISCST2 Finishes Successfully ***
****

APPENDIX G

ISCST2 OUTPUT LISTING

TOLUENE DIISOCYANATE 8-HOUR AVERAGE EMISSIONS

RUN: FMXTDI8

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                ISCST2 - (DATED 93109)

                IBM-PC VERSION (2.11 ) ISCST2F
                (C) COPYRIGHT 1992, TRINITY CONSULTANTS, INC.
                SERIAL NUMBER 10573 SOLD TO CROSS, TESSITORE & ASSOC.

Run Began on  4/25/1995 at 15:27:01


*** TRINITY SOURCE FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXSRC.PNT
*** TRINITY DOWNWASH FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXBPIP.WAK
*** TRINITY RECEPTOR FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXREC.REC
CO STARTING
CO TITLEONE Foamex - 125 ft Foam Line & LBSR Stacks (GEP), 53 ft Exhaust Stacks
CO TITLETWO TDI 8-hr Average Emissions
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME 8
CO POLLUTID TDI_8
CO TERRHGTS FLAT
CO ELEVUNIT FEET
CO RUNORNOT RUN
CO FINISHED
SO STARTING
SO LOCATION FOAMLINE POINT     175.87     119.79       0.00
SO SRCPARAM FOAMLINE 0.034964   38.10     299.82    24.5307      0.857
SO LOCATION REBND_20 POINT     141.43     162.76       0.00
SO SRCPARAM REBND_20 0.000290   16.15     299.82    24.2552      0.610
SO LOCATION REBND_21 POINT     141.43     166.42       0.00
SO SRCPARAM REBND_21 0.000290   16.15     299.82    24.2552      0.610
SO BUILDHGT FOAMLINE    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT FOAMLINE    12.19    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT FOAMLINE    12.19    12.19    15.24    15.24    15.24    12.19
SO BUILDHGT FOAMLINE    12.19    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT FOAMLINE    12.19    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT FOAMLINE    12.19    12.19    15.24    15.24    15.24    15.24
SO BUILDWID  FOAMLINE      80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  FOAMLINE      39.97    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  FOAMLINE      37.02    33.83    93.48    88.29    80.42    12.19
SO BUILDWID  FOAMLINE      18.62    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  FOAMLINE      39.97    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  FOAMLINE      37.02    33.83    93.48    88.29    80.42    70.11
SO BUILDHGT REBND_20    12.19    12.19    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_20    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_20    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_20    10.67    12.19    10.67    10.67    10.97    10.97
SO BUILDHGT REBND_20    10.97    10.97    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_20    12.19    12.19    12.19    12.19    12.19    12.19
SO BUILDWID  REBND_20      80.42    88.29   144.67   152.11   154.93   153.04
SO BUILDWID  REBND_20     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  REBND_20     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  REBND_20     116.96    88.29   144.67   152.11    24.41    23.11
SO BUILDWID  REBND_20      21.10    18.45   120.40   129.50   140.77   147.76
SO BUILDWID  REBND_20      37.02    33.83    29.61   101.32    87.04    70.11
SO BUILDHGT REBND_21    12.19    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_21    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_21    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_21    10.67    10.67    10.67    10.67    10.97    10.97
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SO BUILDHGT REBND_21    10.97    10.97    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_21    12.19    12.19    12.19    12.19    12.19    12.19
SO BUILDWID  REBND_21     80.42   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  REBND_21     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  REBND_21     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  REBND_21     116.96   132.83   144.67   152.11    24.41    23.11
SO BUILDWID  REBND_21      21.10    18.45   120.40   129.50   140.77   147.76
SO BUILDWID  REBND_21      37.02    33.83    29.61    24.49    87.04    70.11
SO EMISUNIT 1000000.000000 GRAMS/SEC MICROGRAMS/M**3
SO SRCGROUP ALL
SO FINISHED
RE STARTING
RE GRIDPOLR POLAR_1  STA
RE GRIDPOLR POLAR_1  ORIG 106.68 110.64
RE GRIDPOLR POLAR_1  DIST 150.00 200.00 250.00 300.00
RE GRIDPOLR POLAR_1  DIST 350.00 400.00 450.00 500.00
RE GRIDPOLR POLAR_1  DIST 550.00 600.00 650.00 700.00
RE GRIDPOLR POLAR_1  DIST 750.00 800.00 850.00 900.00
RE GRIDPOLR POLAR_1  DIST 950.00 1000.00
RE GRIDPOLR POLAR_1  GDIR 36 10.00 10.00
RE GRIDPOLR POLAR_1  END
RE DISCCART 0.00 0.00
RE DISCCART 15.24 0.00
RE DISCCART 30.48 0.00
RE DISCCART 45.72 0.00
RE DISCCART 60.96 0.00
RE DISCCART 76.20 0.00
RE DISCCART 91.44 0.00
RE DISCCART 106.68 0.00
RE DISCCART 121.92 0.00
RE DISCCART 137.16 0.00
RE DISCCART 152.40 0.00
RE DISCCART 167.64 0.00
RE DISCCART 182.88 0.00
RE DISCCART 198.12 0.00
RE DISCCART 213.36 0.00
RE DISCCART 213.36 15.24
RE DISCCART 213.36 30.48
RE DISCCART 213.36 45.72
RE DISCCART 213.36 60.96
RE DISCCART 213.36 76.20
RE DISCCART 213.36 91.44
RE DISCCART 213.36 106.68
RE DISCCART 213.36 121.92
RE DISCCART 213.36 137.16
RE DISCCART 213.36 152.40
RE DISCCART 213.36 167.64
RE DISCCART 213.36 182.88
RE DISCCART 213.36 198.12
RE DISCCART 213.36 213.36
RE DISCCART 213.36 220.98
RE DISCCART 198.12 220.98
RE DISCCART 182.88 220.98
RE DISCCART 167.64 220.98
RE DISCCART 152.40 220.98
RE DISCCART 137.16 220.98
RE DISCCART 121.92 220.98
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RE DISCCART 106.68 220.98
RE DISCCART 91.44 220.98
RE DISCCART 76.20 220.98
RE DISCCART 60.96 220.98
RE DISCCART 45.72 220.98
RE DISCCART 30.48 220.98
RE DISCCART 15.24 220.98
RE DISCCART 0.00 220.98
RE DISCCART 0.00 213.36
RE DISCCART 0.00 198.12
RE DISCCART 0.00 182.88
RE DISCCART 0.00 167.64
RE DISCCART 0.00 152.40
RE DISCCART 0.00 137.16
RE DISCCART 0.00 121.92
RE DISCCART 0.00 106.68
RE DISCCART 0.00 91.44
RE DISCCART 0.00 76.20
RE DISCCART 0.00 60.96
RE DISCCART 0.00 45.72
RE DISCCART 0.00 30.48
RE DISCCART 0.00 15.24
RE FINISHED
ME STARTING
ME INPUTFIL D:\MODELDAT\ISCST2\FMXTEMP\ORLPRE86.BIN UNFORM
ME ANEMHGHT   10.000 METERS
ME SURFDATA 12815 1986 ORLANDO
ME UAIRDATA 12842 1986 TAMPA
ME STARTEND 1986 1 1 1 1986 12 31 24
ME FINISHED
OU STARTING
OU RECTABLE 8 FIRST
OU MAXTABLE 8 50
OU FINISHED

**************************************
*** SETUP Finishes Successfully ***
**************************************
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**MODELING OPTIONS USED:  CONC   RURAL  FLAT        DFAULT

                                        ***     MODEL SETUP OPTIONS SUMMARY      ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

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

**Model Uses RURAL Dispersion.

**Model Uses Regulatory DEFAULT Options:
         1. Final Plume Rise.
         2. Stack-tip Downwash.
         3. Buoyancy-induced Dispersion.
         4. Use Calms Processing Routine.
         5. Not Use Missing Data Processing Routine.
         6. Default Wind Profile Exponents.
         7. Default Vertical Potential Temperature Gradients.
         8. "Upper Bound" Values for Supersquat Buildings.
         9. No Exponential Decay for RURAL Mode

**Model Assumes Receptors on FLAT Terrain.

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  1 Short Term Average(s) of:   8-HR

**This Run Includes:    3 Source(s);      1 Source Group(s); and    706 Receptor(s)

**The Model Assumes A Pollutant Type of:  TDI_8

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

**Output Options Selected:
       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: D:\MODELDAT\ISCST2\FMXTEMP\FMXTDI8.DAT  ;  **Output Print File: D:\MODELDAT\ISCST2\FMXTEMP\FMXTDI8.LST
```

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	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
FOAMLINE	0	0.34964E-01	175.9	119.8	0.0	38.10	299.82	24.53	0.86	YES	
REBND_20	0	0.29000E-03	141.4	162.8	0.0	16.15	299.82	24.26	0.61	YES	
REBND_21	0	0.29000E-03	141.4	166.4	0.0	16.15	299.82	24.26	0.61	YES	

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	FOAMLINE, REBND_20, REBND_21,

MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: FOAMLINE

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	15.2,	91.8,	0
7	12.2,	40.0,	0	8	12.2,	39.6,	0	9	12.2,	38.1,	0	10	12.2,	39.6,	0	11	12.2,	40.0,	0	12	12.2,	39.1,	0
13	12.2,	37.0,	0	14	12.2,	33.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	12.2,	12.2,	0
19	12.2,	18.6,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	15.2,	91.8,	0
25	12.2,	40.0,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	12.2,	37.0,	0	32	12.2,	33.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: REBND_20

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	12.2,	80.4,	0	2	12.2,	88.3,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	12.2,	88.3,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	11.0,	24.4,	0	24	11.0,	23.1,	0
25	11.0,	21.1,	0	26	11.0,	18.4,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	12.2,	37.0,	0	32	12.2,	33.8,	0	33	12.2,	29.6,	0	34	12.2,	101.3,	0	35	12.2,	87.0,	0	36	12.2,	70.1,	0

SOURCE ID: REBND_21

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	12.2,	80.4,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	11.0,	24.4,	0	24	11.0,	23.1,	0
25	11.0,	21.1,	0	26	11.0,	18.4,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	12.2,	37.0,	0	32	12.2,	33.8,	0	33	12.2,	29.6,	0	34	12.2,	24.5,	0	35	12.2,	87.0,	0	36	12.2,	70.1,	0

MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

*** ORIGIN FOR POLAR NETWORK ***

X-ORIG = 106.68 ; Y-ORIG = 110.64 (METERS)

*** DISTANCE RANGES OF NETWORK ***
(METERS)

150.0, 200.0, 250.0, 300.0, 350.0, 400.0, 450.0, 500.0, 550.0, 600.0,
650.0, 700.0, 750.0, 800.0, 850.0, 900.0, 950.0, 1000.0,

*** DIRECTION RADIALS OF NETWORK ***
(DEGREES)

10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0,
110.0, 120.0, 130.0, 140.0, 150.0, 160.0, 170.0, 180.0, 190.0, 200.0,
210.0, 220.0, 230.0, 240.0, 250.0, 260.0, 270.0, 280.0, 290.0, 300.0,
310.0, 320.0, 330.0, 340.0, 350.0, 360.0,

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

(0.0,	0.0,	0.0,	0.0);	(15.2,	0.0,	0.0,	0.0);
(30.5,	0.0,	0.0,	0.0);	(45.7,	0.0,	0.0,	0.0);
(61.0,	0.0,	0.0,	0.0);	(76.2,	0.0,	0.0,	0.0);
(91.4,	0.0,	0.0,	0.0);	(106.7,	0.0,	0.0,	0.0);
(121.9,	0.0,	0.0,	0.0);	(137.2,	0.0,	0.0,	0.0);
(152.4,	0.0,	0.0,	0.0);	(167.6,	0.0,	0.0,	0.0);
(182.9,	0.0,	0.0,	0.0);	(198.1,	0.0,	0.0,	0.0);
(213.4,	0.0,	0.0,	0.0);	(213.4,	15.2,	0.0,	0.0);
(213.4,	30.5,	0.0,	0.0);	(213.4,	45.7,	0.0,	0.0);
(213.4,	61.0,	0.0,	0.0);	(213.4,	76.2,	0.0,	0.0);
(213.4,	91.4,	0.0,	0.0);	(213.4,	106.7,	0.0,	0.0);
(213.4,	121.9,	0.0,	0.0);	(213.4,	137.2,	0.0,	0.0);
(213.4,	152.4,	0.0,	0.0);	(213.4,	167.6,	0.0,	0.0);
(213.4,	182.9,	0.0,	0.0);	(213.4,	198.1,	0.0,	0.0);
(213.4,	213.4,	0.0,	0.0);	(213.4,	221.0,	0.0,	0.0);
(198.1,	221.0,	0.0,	0.0);	(182.9,	221.0,	0.0,	0.0);
(167.6,	221.0,	0.0,	0.0);	(152.4,	221.0,	0.0,	0.0);
(137.2,	221.0,	0.0,	0.0);	(121.9,	221.0,	0.0,	0.0);
(106.7,	221.0,	0.0,	0.0);	(91.4,	221.0,	0.0,	0.0);
(76.2,	221.0,	0.0,	0.0);	(61.0,	221.0,	0.0,	0.0);
(45.7,	221.0,	0.0,	0.0);	(30.5,	221.0,	0.0,	0.0);
(15.2,	221.0,	0.0,	0.0);	(0.0,	221.0,	0.0,	0.0);
(0.0,	213.4,	0.0,	0.0);	(0.0,	198.1,	0.0,	0.0);
(0.0,	182.9,	0.0,	0.0);	(0.0,	167.6,	0.0,	0.0);
(0.0,	152.4,	0.0,	0.0);	(0.0,	137.2,	0.0,	0.0);
(0.0,	121.9,	0.0,	0.0);	(0.0,	106.7,	0.0,	0.0);
(0.0,	91.4,	0.0,	0.0);	(0.0,	76.2,	0.0,	0.0);
(0.0,	61.0,	0.0,	0.0);	(0.0,	45.7,	0.0,	0.0);
(0.0,	30.5,	0.0,	0.0);	(0.0,	15.2,	0.0,	0.0);

*MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

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1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
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1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
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1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
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METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 86 1 1 1
AND END DATE: 86 12 31 24

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
B	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
C	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
D	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
E	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00
F	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00

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

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

FILE: D:\MODELDAT\ISCST2\FMXTEMP\ORLPRE86.BIN FORMAT: UNFORM
SURFACE STATION NO.: 12815 UPPER AIR STATION NO.: 12842
NAME: ORLANDO NAME: TAMPA
YEAR: 1986 YEAR: 1986

YEAR	MONTH	DAY	HOUR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN
86	1	1	1	1.0	3.60	289.3	4	639.0	639.0
86	1	1	2	168.0	5.14	288.7	4	639.0	639.0
86	1	1	3	124.0	3.09	288.2	4	639.0	639.0
86	1	1	4	353.0	2.57	288.2	4	639.0	639.0
86	1	1	5	333.0	2.57	288.7	4	639.0	639.0
86	1	1	6	332.0	2.57	288.7	4	639.0	639.0
86	1	1	7	335.0	3.09	288.7	4	639.0	639.0
86	1	1	8	3.0	3.60	289.3	4	639.0	639.0
86	1	1	9	347.0	3.60	289.8	4	639.0	639.0
86	1	1	10	1.0	5.14	292.0	4	639.0	639.0
86	1	1	11	14.0	4.63	292.6	4	639.0	639.0
86	1	1	12	16.0	4.12	294.3	4	639.0	639.0
86	1	1	13	73.0	3.09	295.4	4	639.0	639.0
86	1	1	14	49.0	3.60	297.0	4	639.0	639.0
86	1	1	15	142.0	2.06	296.5	4	639.0	639.0
86	1	1	16	144.0	2.06	295.9	4	639.0	639.0
86	1	1	17	261.0	2.06	295.4	4	639.0	639.0
86	1	1	18	257.0	2.06	292.6	4	644.0	644.0
86	1	1	19	274.0	3.60	291.5	4	655.0	655.0
86	1	1	20	227.0	3.09	290.9	4	666.0	666.0
86	1	1	21	230.0	3.09	290.9	4	678.0	678.0
86	1	1	22	252.0	2.57	290.4	5	689.0	477.0
86	1	1	23	290.0	2.06	290.4	4	700.0	700.0
86	1	1	24	290.0	1.00	290.4	4	712.0	712.0

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, REBND_20, REBND_21,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF TDI_8 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 150.00	200.00	250.00	300.00	350.00
10.0	0.03345 (86061416)	0.09573 (86061416)	0.16870 (86071316)	0.21787 (86071316)	0.23381 (86071316)
20.0	0.02029 (86080216)	0.06610 (86071316)	0.11873 (86071316)	0.14580 (86071316)	0.14580 (86071316)
30.0	0.01740 (86072824)	0.05406 (86060816)	0.09773 (86060816)	0.11101 (86060816)	0.11987 (86080416)
40.0	0.01975 (86112016)	0.03436 (86053116)	0.09238 (86053116)	0.13157 (86053116)	0.16999 (86080416)
50.0	0.02212 (86040908)	0.02149c(86060916)	0.06054 (86053116)	0.11324 (86072616)	0.15949 (86072616)
60.0	0.02202 (86022424)	0.03793 (86042124)	0.04969 (86071516)	0.09505 (86072016)	0.13336 (86072016)
70.0	0.01741 (86012016)	0.01678 (86011924)	0.05066 (86091216)	0.10745 (86072016)	0.15960 (86072016)
80.0	0.01806 (86041624)	0.02025 (86011324)	0.05825 (86091216)	0.12020 (86091216)	0.16897 (86091216)
90.0	0.02313 (86042916)	0.02099 (86042916)	0.05469 (86071516)	0.10392 (86071516)	0.13279 (86071516)
100.0	0.02118 (86012324)	0.02194 (86042916)	0.04898 (86050816)	0.09052 (86050816)	0.11631 (86050816)
110.0	0.01859 (86012816)	0.02509 (86090216)	0.06310 (86090216)	0.10321 (86052216)	0.15209 (86042916)
120.0	0.01934 (86012808)	0.03048 (86042616)	0.08396 (86090216)	0.15177 (86090216)	0.19594 (86090216)
130.0	0.01563 (86101616)	0.02710c(86082216)	0.07810 (86042616)	0.15379 (86042616)	0.20634 (86042616)
140.0	0.02629 (86101616)	0.03382 (86101616)	0.06607 (86050316)	0.10090 (86050316)	0.13985 (86042816)
150.0	0.02636 (86120408)	0.04131 (86052316)	0.08461 (86052316)	0.13004 (86101616)	0.19428 (86101616)
160.0	0.02818c(86082316)	0.07871c(86082316)	0.11406c(86082316)	0.14726 (86110316)	0.16008 (86110316)
170.0	0.03789c(86082316)	0.10691c(86082316)	0.16718c(86082316)	0.19122c(86082316)	0.21420 (86110316)
180.0	0.04658c(86082316)	0.10967c(86082316)	0.17305c(86082316)	0.20776c(86082316)	0.21127c(86082316)
190.0	0.06722c(86082316)	0.12000c(86082316)	0.16311c(86082316)	0.18531c(86082316)	0.18660c(86082316)
200.0	0.09408c(86082316)	0.15756c(86082316)	0.19410c(86082316)	0.20179c(86082316)	0.18999c(86082316)
210.0	0.10506c(86082316)	0.18269c(86082316)	0.23131c(86082316)	0.24406c(86082316)	0.23221c(86082316)
220.0	0.09116c(86082316)	0.16158c(86082316)	0.21271c(86082316)	0.23396c(86082316)	0.23198c(86082316)
230.0	0.08750 (86051716)	0.13938 (86051116)	0.17601 (86051116)	0.18879 (86051116)	0.18652 (86051116)
240.0	0.08911 (86051716)	0.13011 (86062616)	0.16619 (86062616)	0.18159 (86062616)	0.18268 (86062616)
250.0	0.07747 (86062616)	0.13173 (86062616)	0.17152 (86062616)	0.19133 (86062616)	0.20491 (86091516)
260.0	0.06542 (86062616)	0.11237 (86062616)	0.15170 (86062616)	0.17581 (86062616)	0.18678 (86062616)
270.0	0.06269 (86060116)	0.09537 (86051316)	0.12937 (86051316)	0.14798 (86051316)	0.15469 (86051316)
280.0	0.07811 (86060116)	0.12851 (86043016)	0.16535 (86043016)	0.18203 (86043016)	0.18408 (86043016)
290.0	0.09568 (86043016)	0.14515 (86043016)	0.16502 (86043016)	0.16179 (86043016)	0.17255 (86062316)
300.0	0.10204 (86043016)	0.13866 (86040616)	0.19952 (86040616)	0.23314 (86040616)	0.24437 (86040616)
310.0	0.08835 (86043016)	0.17235 (86040616)	0.23641 (86040616)	0.26231 (86040616)	0.26183 (86040616)
320.0	0.07921 (86062416)	0.13972 (86040616)	0.18775 (86052916)	0.20769 (86052916)	0.20212 (86052916)
330.0	0.07748 (86052916)	0.13819 (86052916)	0.16639 (86052916)	0.16506 (86052916)	0.16793 (86082516)
340.0	0.06471 (86071716)	0.09702 (86052916)	0.12845 (86082516)	0.16326 (86082516)	0.17836 (86082516)
350.0	0.04679 (86080516)	0.11243 (86080516)	0.15687 (86080516)	0.17380 (86082716)	0.18563 (86100916)
360.0	0.05406 (86080516)	0.11556 (86080516)	0.15934 (86071316)	0.21133 (86071316)	0.23399 (86071316)

MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, REBND_20, REBND_21,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF TDI_8 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 400.00	450.00	500.00	550.00	600.00
10.0	0.22693 (86071316)	0.20958 (86071316)	0.18760 (86071316)	0.16466 (86071316)	0.15378 (86080316)
20.0	0.14885 (86010216)	0.16107 (86010216)	0.16598 (86010216)	0.16512 (86010216)	0.16054 (86010216)
30.0	0.14137 (86080416)	0.15214 (86080416)	0.15522 (86080416)	0.15161 (86080416)	0.14422 (86080416)
40.0	0.19305 (86080416)	0.19695 (86080416)	0.19089 (86080416)	0.17776 (86080416)	0.16192 (86080416)
50.0	0.18231 (86072616)	0.18703 (86072616)	0.18209 (86072616)	0.17127 (86100416)	0.17323 (86100416)
60.0	0.18905 (86100416)	0.22752 (86100416)	0.25009 (86100416)	0.25751 (86100416)	0.25375 (86100416)
70.0	0.18937 (86072016)	0.20066 (86072016)	0.22322 (86081816)	0.23647 (86081816)	0.23925 (86081816)
80.0	0.19411 (86091216)	0.19809 (86091216)	0.19017 (86091216)	0.17571 (86091216)	0.15896 (86022616)
90.0	0.15397 (86071916)	0.16795 (86071916)	0.17070 (86071916)	0.16586 (86071916)	0.15654 (86071916)
100.0	0.13269c(86071416)	0.13790 (86071916)	0.14494 (86071916)	0.14469 (86071916)	0.13970 (86071916)
110.0	0.21193 (86042916)	0.25284 (86042916)	0.27514 (86042916)	0.28200 (86042916)	0.27833 (86042916)
120.0	0.21119 (86090216)	0.20705 (86090216)	0.20086 (86042816)	0.19715 (86052216)	0.18952 (86052216)
130.0	0.22887 (86042616)	0.23089 (86042616)	0.22193 (86042616)	0.20627 (86042616)	0.19783 (86012816)
140.0	0.16192 (86042816)	0.16909 (86042816)	0.16654 (86042816)	0.15743 (86042816)	0.14538 (86042816)
150.0	0.24541 (86101616)	0.27803 (86101616)	0.29286 (86101616)	0.29390 (86101616)	0.28584 (86101616)
160.0	0.15528 (86110316)	0.15373 (86101616)	0.16792 (86101616)	0.17621 (86101616)	0.17997 (86101616)
170.0	0.23287 (86110316)	0.23711 (86110316)	0.22989 (86110316)	0.21644 (86110316)	0.20017 (86110316)
180.0	0.19598c(86082316)	0.19840 (86110316)	0.20712 (86110316)	0.20843 (86110316)	0.20478 (86110316)
190.0	0.17507c(86082316)	0.15723c(86082316)	0.14593 (86102116)	0.14098 (86102116)	0.13396 (86102116)
200.0	0.19864 (86120416)	0.21387 (86120416)	0.21879 (86120416)	0.21652 (86120416)	0.20968 (86120416)
210.0	0.20949c(86082316)	0.18431 (86111316)	0.17813 (86111316)	0.16929 (86111316)	0.15919 (86111316)
220.0	0.21772c(86082316)	0.19706c(86082316)	0.18640 (86060516)	0.18799 (86060516)	0.18587 (86060516)
230.0	0.17652 (86051116)	0.16218 (86051116)	0.14781 (86091616)	0.13574 (86091616)	0.13446 (86102216)
240.0	0.17581 (86062616)	0.16541 (86091616)	0.16096 (86091616)	0.15451 (86091616)	0.15651 (86033116)
250.0	0.21956 (86091516)	0.22379 (86091516)	0.22098 (86091516)	0.21379 (86091516)	0.20413 (86091516)
260.0	0.18806 (86062616)	0.18228 (86062616)	0.17271 (86062616)	0.16146 (86062616)	0.14977 (86062616)
270.0	0.15349 (86051316)	0.15186c(86082616)	0.14751c(86082616)	0.14117c(86082616)	0.13385c(86082616)
280.0	0.18785 (86062316)	0.18980 (86062316)	0.18726 (86062316)	0.18205 (86062316)	0.17534 (86062316)
290.0	0.18712 (86062316)	0.19459 (86062316)	0.19704 (86062316)	0.19601 (86062316)	0.19261 (86062316)
300.0	0.24225 (86040616)	0.23047 (86040616)	0.21427 (86040616)	0.19670 (86040616)	0.17940 (86040616)
310.0	0.24877 (86040616)	0.22796 (86040616)	0.20495 (86040616)	0.18258 (86040616)	0.16392 (86100316)
320.0	0.20771 (86112516)	0.21246 (86112516)	0.20845 (86112516)	0.19932 (86112516)	0.18755 (86112516)
330.0	0.18560 (86082516)	0.19411 (86082516)	0.19499 (86082516)	0.19068 (86082516)	0.18310 (86082516)
340.0	0.18271 (86082716)	0.17821 (86082716)	0.18036 (86031216)	0.19508 (86031216)	0.20355 (86031216)
350.0	0.21020 (86100916)	0.22111 (86100916)	0.22073 (86100916)	0.21332 (86100916)	0.20208 (86100916)
360.0	0.23479 (86071316)	0.22412 (86071316)	0.20664 (86071316)	0.20788 (86112616)	0.21531 (86112616)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, REBND_20, REBND_21,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF TDI_8 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 650.00	700.00	750.00	800.00	850.00
10.0	0.14622 (86080316)	0.13781 (86080316)	0.12914 (86080316)	0.12058 (86080316)	0.11235 (86080316)
20.0	0.15373 (86010216)	0.14713 (86072316)	0.14760 (86072316)	0.14610 (86072316)	0.14319 (86072316)
30.0	0.13497 (86080416)	0.13052 (86062916)	0.12729 (86062916)	0.12281 (86062916)	0.11763 (86062916)
40.0	0.14580 (86080416)	0.13055 (86080416)	0.11670 (86080416)	0.11114 (86030416)	0.11042 (86030416)
50.0	0.17025 (86100416)	0.16421 (86100416)	0.15647 (86100416)	0.14793 (86100416)	0.13915 (86100416)
60.0	0.24336 (86100416)	0.22951 (86100416)	0.21424 (86100416)	0.19876 (86100416)	0.18378 (86100416)
70.0	0.23503 (86081816)	0.22653 (86081816)	0.21566 (86081816)	0.20368 (86081816)	0.19142 (86081816)
80.0	0.15012 (86022616)	0.14004 (86022616)	0.12974 (86022616)	0.11975 (86022616)	0.11037 (86022616)
90.0	0.14532 (86071916)	0.13367 (86071916)	0.12236 (86071916)	0.11179 (86071916)	0.10211 (86071916)
100.0	0.13221 (86071916)	0.12364 (86071916)	0.11481 (86071916)	0.10621 (86071916)	0.09807 (86071916)
110.0	0.26829 (86042916)	0.25481 (86042916)	0.23977 (86042916)	0.22435 (86042916)	0.20923 (86042916)
120.0	0.18055 (86012816)	0.17493 (86012816)	0.16828 (86012816)	0.16120 (86012816)	0.15401 (86012816)
130.0	0.19967 (86012816)	0.19688 (86012816)	0.19111 (86012816)	0.18353 (86012816)	0.17498 (86012816)
140.0	0.13568 (86030516)	0.12723 (86030516)	0.11824 (86030516)	0.10930 (86030516)	0.10075 (86030516)
150.0	0.27235 (86101616)	0.25602 (86101616)	0.23856 (86101616)	0.22107 (86101616)	0.20414 (86101616)
160.0	0.18040 (86101616)	0.17845 (86101616)	0.17489 (86101616)	0.17022 (86101616)	0.16488 (86101616)
170.0	0.18318 (86110316)	0.16663 (86110316)	0.15392 (86012408)	0.16471 (86012408)	0.17209 (86012408)
180.0	0.19803 (86110316)	0.18947 (86110316)	0.17999 (86110316)	0.17019 (86110316)	0.16043 (86110316)
190.0	0.12604 (86102116)	0.11794 (86102116)	0.11005 (86102116)	0.10258 (86102116)	0.09970 (86111324)
200.0	0.20017 (86120416)	0.18931 (86120416)	0.17797 (86120416)	0.16669 (86120416)	0.15578 (86120416)
210.0	0.14871 (86111316)	0.13839 (86111316)	0.12887 (86120416)	0.12334 (86120416)	0.12165 (86032716)
220.0	0.18122 (86060516)	0.17494 (86060516)	0.16772 (86060516)	0.15996 (86060516)	0.15203 (86060516)
230.0	0.13654 (86102216)	0.13739 (86102216)	0.13718 (86102216)	0.13608 (86102216)	0.14079 (86050924)
240.0	0.16218 (86111416)	0.17376 (86111416)	0.18225 (86111416)	0.18803 (86111416)	0.19149 (86111416)
250.0	0.19325 (86091516)	0.18197 (86091516)	0.17080 (86091516)	0.16002 (86091516)	0.14980 (86091516)
260.0	0.13983 (86121416)	0.13337 (86121416)	0.12677 (86121416)	0.12021 (86121416)	0.11827 (86091016)
270.0	0.13246c(86020824)	0.13598c(86020824)	0.13738c(86020824)	0.13748 (86031008)	0.14313 (86031008)
280.0	0.16789 (86062316)	0.16015 (86062316)	0.15670 (86040416)	0.15631 (86040416)	0.15454 (86040416)
290.0	0.18761 (86062316)	0.18159 (86062316)	0.17494 (86062316)	0.16803 (86062316)	0.16093 (86062316)
300.0	0.16316 (86040616)	0.15007 (86030924)	0.15577 (86030924)	0.15920 (86030924)	0.16032 (86030924)
310.0	0.15515 (86100316)	0.14572 (86100316)	0.13621 (86100316)	0.12694 (86100316)	0.12609 (86122316)
320.0	0.17475 (86112516)	0.16187 (86112516)	0.14946 (86112516)	0.13781 (86112516)	0.12703 (86112516)
330.0	0.17367 (86082516)	0.16339 (86082516)	0.15290 (86082516)	0.14260 (86082516)	0.13273 (86082516)
340.0	0.20712 (86031216)	0.20700 (86031216)	0.20420 (86031216)	0.19951 (86031216)	0.19355 (86031216)
350.0	0.18916 (86100916)	0.17588 (86100916)	0.16299 (86100916)	0.15088 (86100916)	0.13971 (86100916)
360.0	0.21800 (86112616)	0.21716 (86112616)	0.21375 (86112616)	0.20851 (86112616)	0.20204 (86112616)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, REBND_20, REBND_21,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF TDI_8 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 900.00	950.00	1000.00
10.0	0.11072 (86073008)	0.11050 (86113016)	0.11249 (86113016)
20.0	0.13932 (86072316)	0.13484 (86072316)	0.12999 (86072316)
30.0	0.11310 (86021116)	0.11289 (86021116)	0.11187 (86021116)
40.0	0.10855 (86030416)	0.10582 (86030416)	0.10253 (86030416)
50.0	0.13185 (86112016)	0.12966 (86112016)	0.12664 (86112016)
60.0	0.16966 (86100416)	0.15840 (86031116)	0.15479 (86031116)
70.0	0.17937 (86081816)	0.16780 (86081816)	0.15689 (86081816)
80.0	0.10170 (86022616)	0.09378 (86022616)	0.09509 (86020716)
90.0	0.09333 (86071916)	0.09076 (86070316)	0.08984 (86070316)
100.0	0.09052 (86071916)	0.09086 (86090616)	0.09220 (86090616)
110.0	0.19482 (86042916)	0.18129 (86042916)	0.16873 (86042916)
120.0	0.14692 (86012816)	0.14171 (86022016)	0.13790 (86022016)
130.0	0.16602 (86012816)	0.15703 (86012816)	0.14824 (86012816)
140.0	0.09363 (86032116)	0.09040 (86032116)	0.08696 (86032116)
150.0	0.18816 (86101616)	0.17330 (86101616)	0.15962 (86101616)
160.0	0.16997 (86111508)	0.18035 (86111508)	0.18854 (86111508)
170.0	0.17648 (86012408)	0.17835 (86012408)	0.17817 (86012408)
180.0	0.15096 (86110316)	0.14191 (86110316)	0.13335 (86110316)
190.0	0.09802 (86111324)	0.09563 (86111324)	0.09422 (86122616)
200.0	0.14544 (86120416)	0.13575 (86120416)	0.13793 (86020908)
210.0	0.12031 (86032716)	0.11847 (86032716)	0.11535 (86032716)
220.0	0.14415 (86060516)	0.13644 (86060516)	0.12869 (86060516)
230.0	0.14417 (86050924)	0.14596 (86050924)	0.14557 (86050924)
240.0	0.19304 (86111416)	0.19264 (86111416)	0.19006 (86111416)
250.0	0.14022 (86091516)	0.13130 (86091516)	0.12304 (86091516)
260.0	0.11872 (86091016)	0.11815 (86091016)	0.11730 (86122308)
270.0	0.14735 (86031008)	0.14963 (86031008)	0.14995 (86031008)
280.0	0.15190 (86040416)	0.14827 (86040416)	0.14365 (86040416)
290.0	0.15386 (86062316)	0.14679 (86062316)	0.13957 (86062316)
300.0	0.15983 (86030924)	0.15790 (86030924)	0.15392 (86030924)
310.0	0.12618 (86122316)	0.12525 (86122316)	0.12246 (86122316)
320.0	0.11716 (86112516)	0.10816 (86112516)	0.09999 (86112516)
330.0	0.12344 (86082516)	0.11478 (86082516)	0.10676 (86082516)
340.0	0.18677 (86031216)	0.17954 (86031216)	0.17201 (86031216)
350.0	0.12952 (86100916)	0.12851 (86052008)	0.12802 (86052008)
360.0	0.19478 (86112616)	0.18708 (86112616)	0.17922 (86112616)

MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, REBND_20, REBND_21,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TDI_8 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
0.00	0.00	0.08515c	(86082316)	15.24	0.00	0.08287c	(86082316)
30.48	0.00	0.07711c	(86082316)	45.72	0.00	0.06755c	(86082316)
60.96	0.00	0.05513c	(86082316)	76.20	0.00	0.04170c	(86082316)
91.44	0.00	0.02972c	(86082316)	106.68	0.00	0.02582	(86101924)
121.92	0.00	0.02260	(86032216)	137.16	0.00	0.02482	(86120524)
152.40	0.00	0.02478	(86122108)	167.64	0.00	0.02698	(86120408)
182.88	0.00	0.02241	(86102008)	198.12	0.00	0.02495	(86101616)
213.36	0.00	0.02514	(86101616)	213.36	15.24	0.02056	(86101616)
213.36	30.48	0.01453	(86011208)	213.36	45.72	0.01822	(86012808)
213.36	60.96	0.02816	(86012808)	213.36	76.20	0.02356	(86012808)
213.36	91.44	0.01433	(86041708)	213.36	106.68	0.01420	(86012324)
213.36	121.92	0.01884	(86011316)	213.36	137.16	0.01449	(86030724)
213.36	152.40	0.01525	(86011324)	213.36	167.64	0.01332	(86011924)
213.36	182.88	0.01881	(86042124)	213.36	198.12	0.02020	(86011916)
213.36	213.36	0.01677	(86011908)	213.36	220.98	0.01966	(86011908)
198.12	220.98	0.01830	(86112016)	182.88	220.98	0.01624	(86030416)
167.64	220.98	0.01127	(86072824)	152.40	220.98	0.00618	(86072916)
137.16	220.98	0.00553	(86121116)	121.92	220.98	0.00842	(86080516)
106.68	220.98	0.01109	(86031316)	91.44	220.98	0.01707	(86071716)
76.20	220.98	0.02753	(86071716)	60.96	220.98	0.03816	(86071716)
45.72	220.98	0.04937	(86062416)	30.48	220.98	0.06154	(86062416)
15.24	220.98	0.07194	(86062416)	0.00	220.98	0.08654	(86040616)
0.00	213.36	0.07816	(86040616)	0.00	198.12	0.07981	(86043016)
0.00	182.88	0.07712	(86043016)	0.00	167.64	0.06646	(86043016)
0.00	152.40	0.05118	(86043016)	0.00	137.16	0.04251	(86060116)
0.00	121.92	0.03686	(86060116)	0.00	106.68	0.03319c	(86050716)
0.00	91.44	0.04350	(86091616)	0.00	76.20	0.05080	(86091616)
0.00	60.96	0.05773	(86051716)	0.00	45.72	0.06822	(86051716)
0.00	30.48	0.07608	(86051716)	0.00	15.24	0.08056	(86051716)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE MAXIMUM 50 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, REBND_20, REBND_21,

** CONC OF TDI_8 IN MICROGRAMS/M**3 **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR)		OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.29390	(86101616) AT (	381.68,	-365.67)	GP	26.	0.23856	(86101616) AT (	481.68,	-538.88)	GP
2.	0.29286	(86101616) AT (	356.68,	-322.37)	GP	27.	0.23711	(86110316) AT (	184.82,	-332.52)	GP
3.	0.28584	(86101616) AT (	406.68,	-408.98)	GP	28.	0.23647	(86081816) AT (	623.51,	298.75)	GP
4.	0.28200	(86042916) AT (	623.51,	-77.47)	GP	29.	0.23641	(86040616) AT (	-84.83,	271.34)	GP
5.	0.27833	(86042916) AT (	670.50,	-94.57)	GP	30.	0.23503	(86081816) AT (	717.48,	332.95)	GP
6.	0.27803	(86101616) AT (	331.68,	-279.07)	GP	31.	0.23479	(86071316) AT (	106.68,	510.64)	GP
7.	0.27514	(86042916) AT (	576.53,	-60.37)	GP	32.	0.23399	(86071316) AT (	106.68,	460.64)	GP
8.	0.27235	(86101616) AT (	431.68,	-452.28)	GP	33.	0.23396c	(86082316) AT (	-86.16,	-119.17)	GP
9.	0.26829	(86042916) AT (	717.48,	-111.67)	GP	34.	0.23381	(86071316) AT (	167.46,	455.32)	GP
10.	0.26231	(86040616) AT (	-123.13,	303.48)	GP	35.	0.23314	(86040616) AT (	-153.13,	260.64)	GP
11.	0.26183	(86040616) AT (	-161.44,	335.62)	GP	36.	0.23287	(86110316) AT (	176.14,	-283.28)	GP
12.	0.25751	(86100416) AT (	582.99,	385.64)	GP	37.	0.23221c	(86082316) AT (	-68.32,	-192.47)	GP
13.	0.25602	(86101616) AT (	456.68,	-495.58)	GP	38.	0.23198c	(86082316) AT (	-118.30,	-157.48)	GP
14.	0.25481	(86042916) AT (	764.46,	-128.77)	GP	39.	0.23131c	(86082316) AT (	-18.32,	-105.87)	GP
15.	0.25375	(86100416) AT (	626.30,	410.64)	GP	40.	0.23089	(86042616) AT (	451.40,	-178.61)	GP
16.	0.25284	(86042916) AT (	529.54,	-43.27)	GP	41.	0.23047	(86040616) AT (	-283.03,	335.64)	GP
17.	0.25009	(86100416) AT (	539.69,	360.64)	GP	42.	0.22989	(86110316) AT (	193.50,	-381.76)	GP
18.	0.24877	(86040616) AT (	-199.74,	367.76)	GP	43.	0.22951	(86100416) AT (	712.90,	460.64)	GP
19.	0.24541	(86101616) AT (	306.68,	-235.77)	GP	44.	0.22887	(86042616) AT (	413.10,	-146.48)	GP
20.	0.24437	(86040616) AT (	-196.43,	285.64)	GP	45.	0.22796	(86040616) AT (	-238.04,	399.89)	GP
21.	0.24406c	(86082316) AT (	-43.32,	-149.17)	GP	46.	0.22752	(86100416) AT (	496.39,	335.64)	GP
22.	0.24336	(86100416) AT (	669.60,	435.64)	GP	47.	0.22693	(86071316) AT (	176.14,	504.56)	GP
23.	0.24225	(86040616) AT (	-239.73,	310.64)	GP	48.	0.22653	(86081816) AT (	764.46,	350.05)	GP
24.	0.23977	(86042916) AT (	811.45,	-145.88)	GP	49.	0.22435	(86042916) AT (	858.43,	-162.98)	GP
25.	0.23925	(86081816) AT (	670.50,	315.85)	GP	50.	0.22412	(86071316) AT (	106.68,	560.64)	GP

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

** CONC OF TDI_8 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL HIGH 1ST HIGH VALUE IS	0.29390	ON 86101616: AT (381.68, -365.67, 0.00, 0.00)		GP	POLAR_1

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** Message Summary For ISC2 Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 328 Informational Message(s)

A Total of 328 Calm Hours Identified

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

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

****
*** ISCST2 Finishes Successfully ***
****

APPENDIX H

ISCST2 OUTPUT LISTING

TOLUENE DIISOCYANATE 24-HOUR AVERAGE EMISSIONS

RUN: FMXTDI24

```
                ISCST2 - (DATED 93109)

                IBM-PC VERSION (2.11 ) ISCST2F
                (C) COPYRIGHT 1992, TRINITY CONSULTANTS, INC.
                SERIAL NUMBER 10573 SOLD TO CROSS, TESSITORE & ASSOC.

Run Began on  4/25/1995 at 15:15:22


*** TRINITY SOURCE FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXSRC.PNT
*** TRINITY DOWNWASH FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXBPIP.WAK
*** TRINITY RECEPTOR FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXREC.REC
CO STARTING
CO TITLEONE Foamex - 125 ft Foam Line & LBSR Stacks (GEP), 53 ft Exhaust Stacks
CO TITLETWO TDI 24-hr Average Emissions
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME 24
CO POLLUTID TDI_24
CO TERRHGTS FLAT
CO ELEVUNIT FEET
CO RUNORNOT RUN
CO FINISHED
SO STARTING
SO LOCATION FOAMLINE POINT     175.87     119.79       0.00
SO SRCPARAM FOAMLINE 0.011655     38.10     299.82    24.5307      0.857
SO LOCATION REBND_20 POINT     141.43     162.76       0.00
SO SRCPARAM REBND_20 0.000290     16.15     299.82    24.2552      0.610
SO LOCATION REBND_21 POINT     141.43     166.42       0.00
SO SRCPARAM REBND_21 0.000290     16.15     299.82    24.2552      0.610
SO BUILDHGT FOAMLINE    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT FOAMLINE    12.19    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT FOAMLINE    12.19    12.19    15.24    15.24    15.24    12.19
SO BUILDHGT FOAMLINE    12.19    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT FOAMLINE    12.19    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT FOAMLINE    12.19    12.19    15.24    15.24    15.24    15.24
SO BUILDWID  FOAMLINE      80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  FOAMLINE      39.97    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  FOAMLINE      37.02    33.83    93.48    88.29    80.42    12.19
SO BUILDWID  FOAMLINE      18.62    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  FOAMLINE      39.97    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  FOAMLINE      37.02    33.83    93.48    88.29    80.42    70.11
SO BUILDHGT REBND_20    12.19    12.19    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_20    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_20    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_20    10.67    12.19    10.67    10.67    10.97    10.97
SO BUILDHGT REBND_20    10.97    10.97    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_20    12.19    12.19    12.19    12.19    12.19    12.19
SO BUILDWID  REBND_20      80.42    88.29   144.67   152.11   154.93   153.04
SO BUILDWID  REBND_20     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  REBND_20     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  REBND_20     116.96    88.29   144.67   152.11    24.41    23.11
SO BUILDWID  REBND_20      21.10    18.45   120.40   129.50   140.77   147.76
SO BUILDWID  REBND_20      37.02    33.83    29.61   101.32    87.04    70.11
SO BUILDHGT REBND_21    12.19    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_21    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_21    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_21    10.67    10.67    10.67    10.67    10.97    10.97
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SO BUILDHGT REBND_21    10.97    10.97    10.67    10.67    10.67    10.67
SO BUILDHGT REBND_21    12.19    12.19    12.19    12.19    12.19    12.19
SO BUILDWID  REBND_21     80.42   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  REBND_21    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  REBND_21    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  REBND_21    116.96   132.83   144.67   152.11    24.41    23.11
SO BUILDWID  REBND_21     21.10    18.45   120.40   129.50   140.77   147.76
SO BUILDWID  REBND_21     37.02    33.83    29.61    24.49    87.04    70.11
SO EMISUNIT 1000000.000000 GRAMS/SEC MICROGRAMS/M**3
SO SRCGROUP ALL
SO FINISHED
RE STARTING
RE GRIDPOLR POLAR_1  STA
RE GRIDPOLR POLAR_1  ORIG 106.68 110.64
RE GRIDPOLR POLAR_1  DIST 150.00 200.00 250.00 300.00
RE GRIDPOLR POLAR_1  DIST 350.00 400.00 450.00 500.00
RE GRIDPOLR POLAR_1  DIST 550.00 600.00 650.00 700.00
RE GRIDPOLR POLAR_1  DIST 750.00 800.00 850.00 900.00
RE GRIDPOLR POLAR_1  DIST 950.00 1000.00
RE GRIDPOLR POLAR_1  GDIR 36 10.00 10.00
RE GRIDPOLR POLAR_1  END
RE DISCCART 0.00 0.00
RE DISCCART 15.24 0.00
RE DISCCART 30.48 0.00
RE DISCCART 45.72 0.00
RE DISCCART 60.96 0.00
RE DISCCART 76.20 0.00
RE DISCCART 91.44 0.00
RE DISCCART 106.68 0.00
RE DISCCART 121.92 0.00
RE DISCCART 137.16 0.00
RE DISCCART 152.40 0.00
RE DISCCART 167.64 0.00
RE DISCCART 182.88 0.00
RE DISCCART 198.12 0.00
RE DISCCART 213.36 0.00
RE DISCCART 213.36 15.24
RE DISCCART 213.36 30.48
RE DISCCART 213.36 45.72
RE DISCCART 213.36 60.96
RE DISCCART 213.36 76.20
RE DISCCART 213.36 91.44
RE DISCCART 213.36 106.68
RE DISCCART 213.36 121.92
RE DISCCART 213.36 137.16
RE DISCCART 213.36 152.40
RE DISCCART 213.36 167.64
RE DISCCART 213.36 182.88
RE DISCCART 213.36 198.12
RE DISCCART 213.36 213.36
RE DISCCART 213.36 220.98
RE DISCCART 198.12 220.98
RE DISCCART 182.88 220.98
RE DISCCART 167.64 220.98
RE DISCCART 152.40 220.98
RE DISCCART 137.16 220.98
RE DISCCART 121.92 220.98
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RE DISCCART 106.68 220.98
RE DISCCART 91.44 220.98
RE DISCCART 76.20 220.98
RE DISCCART 60.96 220.98
RE DISCCART 45.72 220.98
RE DISCCART 30.48 220.98
RE DISCCART 15.24 220.98
RE DISCCART 0.00 220.98
RE DISCCART 0.00 213.36
RE DISCCART 0.00 198.12
RE DISCCART 0.00 182.88
RE DISCCART 0.00 167.64
RE DISCCART 0.00 152.40
RE DISCCART 0.00 137.16
RE DISCCART 0.00 121.92
RE DISCCART 0.00 106.68
RE DISCCART 0.00 91.44
RE DISCCART 0.00 76.20
RE DISCCART 0.00 60.96
RE DISCCART 0.00 45.72
RE DISCCART 0.00 30.48
RE DISCCART 0.00 15.24
RE FINISHED
ME STARTING
ME INPUTFIL D:\MODELDAT\ISCST2\FMXTEMP\ORLPRE86.BIN UNFORM
ME ANEMHGHT   10.000 METERS
ME SURFDATA 12815 1986 ORLANDO
ME UAIRDATA 12842 1986 TAMPA
ME STARTEND 1986 1 1 1 1986 12 31 24
ME FINISHED
OU STARTING
OU RECTABLE 24 FIRST
OU MAXTABLE 24 50
OU FINISHED

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

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**MODELING OPTIONS USED:  CONC   RURAL  FLAT        DFAULT

                                        ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

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

**Model Uses RURAL Dispersion.

**Model Uses Regulatory DEFAULT Options:
          1. Final Plume Rise.
          2. Stack-tip Downwash.
          3. Buoyancy-induced Dispersion.
          4. Use Calms Processing Routine.
          5. Not Use Missing Data Processing Routine.
          6. Default Wind Profile Exponents.
          7. Default Vertical Potential Temperature Gradients.
          8. "Upper Bound" Values for Supersquat Buildings.
          9. No Exponential Decay for RURAL Mode

**Model Assumes Receptors on FLAT Terrain.

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  1 Short Term Average(s) of:  24-HR

**This Run Includes:    3 Source(s);      1 Source Group(s); and    706 Receptor(s)

**The Model Assumes A Pollutant Type of:  TDI_24

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

**Output Options Selected:
        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: D:\MODELDAT\ISCST2\FMXTEMP\FMXTDI24.DAT ;  **Output Print File: D:\MODELDAT\ISCST2\FMXTEMP\FMXTDI24.LST
```

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	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
FOAMLINE	0	0.11655E-01	175.9	119.8	0.0	38.10	299.82	24.53	0.86	YES	
REBND_20	0	0.29000E-03	141.4	162.8	0.0	16.15	299.82	24.26	0.61	YES	
REBND_21	0	0.29000E-03	141.4	166.4	0.0	16.15	299.82	24.26	0.61	YES	

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	FOAMLINE, REBND_20, REBND_21,

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: FOAMLINE

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	15.2,	91.8,	0
7	12.2,	40.0,	0	8	12.2,	39.6,	0	9	12.2,	38.1,	0	10	12.2,	39.6,	0	11	12.2,	40.0,	0	12	12.2,	39.1,	0
13	12.2,	37.0,	0	14	12.2,	33.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	12.2,	12.2,	0
19	12.2,	18.6,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	15.2,	91.8,	0
25	12.2,	40.0,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	12.2,	37.0,	0	32	12.2,	33.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: REBND_20

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	12.2,	80.4,	0	2	12.2,	88.3,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	12.2,	88.3,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	11.0,	24.4,	0	24	11.0,	23.1,	0
25	11.0,	21.1,	0	26	11.0,	18.4,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	12.2,	37.0,	0	32	12.2,	33.8,	0	33	12.2,	29.6,	0	34	12.2,	101.3,	0	35	12.2,	87.0,	0	36	12.2,	70.1,	0

SOURCE ID: REBND_21

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	12.2,	80.4,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	11.0,	24.4,	0	24	11.0,	23.1,	0
25	11.0,	21.1,	0	26	11.0,	18.4,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	12.2,	37.0,	0	32	12.2,	33.8,	0	33	12.2,	29.6,	0	34	12.2,	24.5,	0	35	12.2,	87.0,	0	36	12.2,	70.1,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

*** ORIGIN FOR POLAR NETWORK ***
X-ORIG = 106.68 ; Y-ORIG = 110.64 (METERS)

*** DISTANCE RANGES OF NETWORK ***
(METERS)

150.0, 200.0, 250.0, 300.0, 350.0, 400.0, 450.0, 500.0, 550.0, 600.0,
650.0, 700.0, 750.0, 800.0, 850.0, 900.0, 950.0, 1000.0,

*** DIRECTION RADIALS OF NETWORK ***
(DEGREES)

10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0,
110.0, 120.0, 130.0, 140.0, 150.0, 160.0, 170.0, 180.0, 190.0, 200.0,
210.0, 220.0, 230.0, 240.0, 250.0, 260.0, 270.0, 280.0, 290.0, 300.0,
310.0, 320.0, 330.0, 340.0, 350.0, 360.0,

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

(0.0,	0.0,	0.0,	0.0);	(15.2,	0.0,	0.0,	0.0);
(30.5,	0.0,	0.0,	0.0);	(45.7,	0.0,	0.0,	0.0);
(61.0,	0.0,	0.0,	0.0);	(76.2,	0.0,	0.0,	0.0);
(91.4,	0.0,	0.0,	0.0);	(106.7,	0.0,	0.0,	0.0);
(121.9,	0.0,	0.0,	0.0);	(137.2,	0.0,	0.0,	0.0);
(152.4,	0.0,	0.0,	0.0);	(167.6,	0.0,	0.0,	0.0);
(182.9,	0.0,	0.0,	0.0);	(198.1,	0.0,	0.0,	0.0);
(213.4,	0.0,	0.0,	0.0);	(213.4,	15.2,	0.0,	0.0);
(213.4,	30.5,	0.0,	0.0);	(213.4,	45.7,	0.0,	0.0);
(213.4,	61.0,	0.0,	0.0);	(213.4,	76.2,	0.0,	0.0);
(213.4,	91.4,	0.0,	0.0);	(213.4,	106.7,	0.0,	0.0);
(213.4,	121.9,	0.0,	0.0);	(213.4,	137.2,	0.0,	0.0);
(213.4,	152.4,	0.0,	0.0);	(213.4,	167.6,	0.0,	0.0);
(213.4,	182.9,	0.0,	0.0);	(213.4,	198.1,	0.0,	0.0);
(213.4,	213.4,	0.0,	0.0);	(213.4,	221.0,	0.0,	0.0);
(198.1,	221.0,	0.0,	0.0);	(182.9,	221.0,	0.0,	0.0);
(167.6,	221.0,	0.0,	0.0);	(152.4,	221.0,	0.0,	0.0);
(137.2,	221.0,	0.0,	0.0);	(121.9,	221.0,	0.0,	0.0);
(106.7,	221.0,	0.0,	0.0);	(91.4,	221.0,	0.0,	0.0);
(76.2,	221.0,	0.0,	0.0);	(61.0,	221.0,	0.0,	0.0);
(45.7,	221.0,	0.0,	0.0);	(30.5,	221.0,	0.0,	0.0);
(15.2,	221.0,	0.0,	0.0);	(0.0,	221.0,	0.0,	0.0);
(0.0,	213.4,	0.0,	0.0);	(0.0,	198.1,	0.0,	0.0);
(0.0,	182.9,	0.0,	0.0);	(0.0,	167.6,	0.0,	0.0);
(0.0,	152.4,	0.0,	0.0);	(0.0,	137.2,	0.0,	0.0);
(0.0,	121.9,	0.0,	0.0);	(0.0,	106.7,	0.0,	0.0);
(0.0,	91.4,	0.0,	0.0);	(0.0,	76.2,	0.0,	0.0);
(0.0,	61.0,	0.0,	0.0);	(0.0,	45.7,	0.0,	0.0);
(0.0,	30.5,	0.0,	0.0);	(0.0,	15.2,	0.0,	0.0);

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 86 1 1 1
AND END DATE: 86 12 31 24

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
B	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
C	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
D	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
E	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00
F	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00

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

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

FILE: D:\MODELDAT\ISCST2\FMXTEMP\ORLPRE86.BIN FORMAT: UNFORM
SURFACE STATION NO.: 12815 UPPER AIR STATION NO.: 12842
NAME: ORLANDO NAME: TAMPA
YEAR: 1986 YEAR: 1986

YEAR	MONTH	DAY	HOUR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN
86	1	1	1	1.0	3.60	289.3	4	639.0	639.0
86	1	1	2	168.0	5.14	288.7	4	639.0	639.0
86	1	1	3	124.0	3.09	288.2	4	639.0	639.0
86	1	1	4	353.0	2.57	288.2	4	639.0	639.0
86	1	1	5	333.0	2.57	288.7	4	639.0	639.0
86	1	1	6	332.0	2.57	288.7	4	639.0	639.0
86	1	1	7	335.0	3.09	288.7	4	639.0	639.0
86	1	1	8	3.0	3.60	289.3	4	639.0	639.0
86	1	1	9	347.0	3.60	289.8	4	639.0	639.0
86	1	1	10	1.0	5.14	292.0	4	639.0	639.0
86	1	1	11	14.0	4.63	292.6	4	639.0	639.0
86	1	1	12	16.0	4.12	294.3	4	639.0	639.0
86	1	1	13	73.0	3.09	295.4	4	639.0	639.0
86	1	1	14	49.0	3.60	297.0	4	639.0	639.0
86	1	1	15	142.0	2.06	296.5	4	639.0	639.0
86	1	1	16	144.0	2.06	295.9	4	639.0	639.0
86	1	1	17	261.0	2.06	295.4	4	639.0	639.0
86	1	1	18	257.0	2.06	292.6	4	644.0	644.0
86	1	1	19	274.0	3.60	291.5	4	655.0	655.0
86	1	1	20	227.0	3.09	290.9	4	666.0	666.0
86	1	1	21	230.0	3.09	290.9	4	678.0	678.0
86	1	1	22	252.0	2.57	290.4	5	689.0	477.0
86	1	1	23	290.0	2.06	290.4	4	700.0	700.0
86	1	1	24	290.0	1.00	290.4	4	712.0	712.0

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, REBND_20, REBND_21,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF TDI_24 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 150.00	200.00	250.00	300.00	350.00
10.0	0.00840c(86071324)	0.01850c(86071324)	0.02771c(86071324)	0.03357c(86071324)	0.03559c(86071324)
20.0	0.00580 (86080224)	0.01228 (86080224)	0.01710 (86080224)	0.01959 (86080224)	0.02030 (86080224)
30.0	0.00929 (86072824)	0.01474c(86060824)	0.01897c(86060824)	0.01971c(86060824)	0.01825c(86060824)
40.0	0.00977 (86030324)	0.01140 (86030324)	0.01471c(86053124)	0.01976c(86053124)	0.02405 (86080424)
50.0	0.01141 (86022724)	0.01220 (86030424)	0.01292c(86072024)	0.01716c(86072024)	0.02071 (86072624)
60.0	0.01022 (86022424)	0.01301 (86042124)	0.01252c(86072024)	0.01701c(86072024)	0.02183c(86072024)
70.0	0.01492 (86012024)	0.01117c(86041624)	0.00988c(86072024)	0.01671c(86072024)	0.02301c(86072024)
80.0	0.00975 (86042224)	0.01161 (86012024)	0.01053 (86012024)	0.01509 (86091224)	0.02048 (86091224)
90.0	0.01421 (86011324)	0.01046 (86042924)	0.00897c(86071524)	0.01598c(86071524)	0.02021c(86071524)
100.0	0.00979 (86011324)	0.01276 (86011324)	0.01155 (86042924)	0.01430 (86042924)	0.01632 (86042924)
110.0	0.01017c(86012824)	0.00957c(86012824)	0.01105c(86052224)	0.01657c(86052224)	0.02281 (86042924)
120.0	0.01036c(86012824)	0.00871 (86122924)	0.01312 (86042624)	0.02055c(86090224)	0.02562c(86090224)
130.0	0.00908 (86032124)	0.00827 (86032124)	0.01209 (86042624)	0.02122 (86042624)	0.02794 (86042624)
140.0	0.01676 (86011124)	0.01116 (86101624)	0.01139 (86050324)	0.01612 (86050324)	0.01859 (86050324)
150.0	0.01401 (86101724)	0.01503 (86101624)	0.01912 (86101624)	0.02453 (86101624)	0.03028 (86101624)
160.0	0.01661 (86120524)	0.01219 (86120524)	0.01575 (86110324)	0.02059 (86110324)	0.02294 (86110324)
170.0	0.01167 (86120524)	0.01329 (86120524)	0.01902c(86082324)	0.02331 (86110324)	0.02797 (86110324)
180.0	0.01010 (86120624)	0.01367c(86082324)	0.02001c(86082324)	0.02334c(86082324)	0.02343c(86082324)
190.0	0.01322c(86111324)	0.01475c(86082324)	0.01899c(86082324)	0.02102c(86082324)	0.02088c(86082324)
200.0	0.01221c(86111324)	0.01860c(86082324)	0.02214c(86082324)	0.02399c(86111324)	0.02490c(86111324)
210.0	0.01352c(86082324)	0.02146c(86082324)	0.02625c(86082324)	0.02727c(86082324)	0.02670c(86111324)
220.0	0.01283 (86010824)	0.01970c(86082324)	0.02472c(86082324)	0.02662c(86082324)	0.02614c(86082324)
230.0	0.01356 (86010824)	0.02017c(86051124)	0.02463c(86051124)	0.02660c(86051124)	0.02697c(86051124)
240.0	0.01355c(86051724)	0.01926 (86062624)	0.02347 (86062624)	0.02551 (86062624)	0.02595 (86062624)
250.0	0.01431 (86062624)	0.01944 (86062624)	0.02306 (86062624)	0.02645 (86091524)	0.03000 (86091524)
260.0	0.01231 (86062624)	0.01673 (86062624)	0.02070 (86062624)	0.02326 (86062624)	0.02451 (86062624)
270.0	0.01064c(86051324)	0.01793c(86051324)	0.02378c(86051324)	0.02717c(86051324)	0.02858c(86051324)
280.0	0.01196c(86060124)	0.01778c(86051324)	0.02159c(86051324)	0.02541 (86062324)	0.02852 (86062324)
290.0	0.01521 (86043024)	0.02248 (86043024)	0.02387 (86043024)	0.02426 (86062324)	0.02694 (86062324)
300.0	0.01834 (86043024)	0.02118c(86093024)	0.02855 (86040624)	0.03263 (86040624)	0.03411 (86040624)
310.0	0.01560c(86093024)	0.02572 (86040624)	0.03331 (86040624)	0.03631 (86040624)	0.03599 (86040624)
320.0	0.01726 (86030924)	0.02164c(86052924)	0.02762c(86052924)	0.02949c(86052924)	0.02812c(86052924)
330.0	0.01516 (86071724)	0.02166c(86052924)	0.02506c(86052924)	0.02448c(86052924)	0.02632c(86053024)
340.0	0.01224 (86071724)	0.01503c(86052924)	0.01997c(86082524)	0.02353c(86082524)	0.02458c(86082524)
350.0	0.01205 (86031324)	0.01594 (86080524)	0.02173c(86082724)	0.02512c(86082724)	0.02771 (86031224)
360.0	0.00993 (86080524)	0.01625 (86080524)	0.02458c(86071324)	0.03058c(86071324)	0.03353c(86071324)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, REBND_20, REBND_21,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF TDI_24 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 400.00	450.00	500.00	550.00	600.00
10.0	0.03526c(86071324)	0.03385c(86071324)	0.03192c(86071324)	0.02985c(86071324)	0.02789c(86071324)
20.0	0.02036 (86080224)	0.02089c(86010224)	0.02110c(86010224)	0.02146 (86072324)	0.02310 (86072324)
30.0	0.01917 (86080424)	0.02047 (86080424)	0.02099 (86080424)	0.02078 (86080424)	0.02161c(86081924)
40.0	0.02759 (86080424)	0.02894 (86080424)	0.02894 (86080424)	0.02786 (86080424)	0.02621 (86080424)
50.0	0.02393 (86072624)	0.02497 (86072624)	0.02476 (86072624)	0.02371c(86072024)	0.02287c(86072024)
60.0	0.02501c(86072024)	0.02740 (86100424)	0.02993 (86100424)	0.03077 (86100424)	0.03036 (86100424)
70.0	0.02709c(86081824)	0.03396c(86081824)	0.03868c(86081824)	0.04131c(86081824)	0.04229c(86081824)
80.0	0.02311 (86091224)	0.02337 (86091224)	0.02290c(86071924)	0.02269c(86071924)	0.02198c(86071924)
90.0	0.02392c(86071924)	0.02678c(86071924)	0.02829c(86071924)	0.02879c(86071924)	0.02863c(86071924)
100.0	0.01828c(86071924)	0.02096c(86071924)	0.02265c(86071924)	0.02341c(86071924)	0.02346c(86071924)
110.0	0.03046 (86042924)	0.03589 (86042924)	0.03912 (86042924)	0.04054 (86042924)	0.04069 (86042924)
120.0	0.02723c(86052224)	0.03086c(86052224)	0.03268c(86052224)	0.03296c(86052224)	0.03224c(86052224)
130.0	0.03121 (86042624)	0.03193 (86042624)	0.03109 (86042624)	0.02923 (86042624)	0.02957c(86012824)
140.0	0.02105 (86042824)	0.02267 (86042824)	0.02323 (86042824)	0.02294 (86042824)	0.02216 (86042824)
150.0	0.03496 (86101624)	0.03805 (86101624)	0.03947 (86101624)	0.03949 (86101624)	0.03852 (86101624)
160.0	0.02316 (86110324)	0.02553 (86101624)	0.02837 (86101624)	0.03085 (86101624)	0.03296 (86101624)
170.0	0.03050 (86110324)	0.03155 (86110324)	0.03136 (86110324)	0.03044 (86110324)	0.02914 (86110324)
180.0	0.02404 (86110324)	0.02644 (86110324)	0.02789 (86110324)	0.02866 (86110324)	0.02898 (86110324)
190.0	0.01944c(86082324)	0.01963 (86102124)	0.01936 (86102124)	0.01879 (86102124)	0.01810 (86102124)
200.0	0.02486c(86111324)	0.02601 (86120424)	0.02632 (86120424)	0.02587 (86120424)	0.02495 (86120424)
210.0	0.02780c(86111324)	0.02809c(86111324)	0.02783c(86111324)	0.02718c(86111324)	0.02627c(86111324)
220.0	0.02636 (86060524)	0.02851 (86060524)	0.02977 (86060524)	0.03031 (86060524)	0.03031 (86060524)
230.0	0.02642c(86051124)	0.02524c(86051124)	0.02377c(86051124)	0.02292 (86010924)	0.02506 (86010924)
240.0	0.02541 (86062624)	0.02420 (86062624)	0.02271 (86062624)	0.02389 (86010924)	0.02601 (86010924)
250.0	0.03177 (86091524)	0.03220 (86091524)	0.03174 (86091524)	0.03075 (86091524)	0.02949 (86091524)
260.0	0.02477 (86062624)	0.02430 (86062624)	0.02344 (86062624)	0.02240 (86062624)	0.02129 (86062624)
270.0	0.02869c(86051324)	0.02787c(86051324)	0.02663c(86051324)	0.02526c(86051324)	0.02391c(86051324)
280.0	0.02972 (86062324)	0.02969 (86062324)	0.02901 (86062324)	0.02801 (86062324)	0.02684 (86062324)
290.0	0.02840 (86062324)	0.02892 (86062324)	0.02883 (86062324)	0.02837 (86062324)	0.02768 (86062324)
300.0	0.03399 (86040624)	0.03265 (86040624)	0.03071 (86040624)	0.02879 (86030924)	0.03100 (86030924)
310.0	0.03400 (86040624)	0.03105 (86040624)	0.02817c(86100324)	0.02735c(86100324)	0.02611c(86100324)
320.0	0.02668 (86112524)	0.02643 (86112524)	0.02608 (86081124)	0.02545 (86081124)	0.02442 (86081124)
330.0	0.02608c(86053024)	0.02598c(86082524)	0.02579c(86082524)	0.02499c(86082524)	0.02605 (86031324)
340.0	0.02406c(86082524)	0.02746 (86031224)	0.03061 (86031224)	0.03261 (86031224)	0.03364 (86031224)
350.0	0.02941 (86031224)	0.02980 (86100924)	0.02999 (86100924)	0.02947 (86100924)	0.02858 (86100924)
360.0	0.03432c(86071324)	0.03401c(86071324)	0.03295c(86071324)	0.03153c(86071324)	0.03006c(86071324)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, REBND_20, REBND_21,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF TDI_24 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 650.00	700.00	750.00	800.00	850.00
10.0	0.02615c(86071324)	0.02739 (86082024)	0.02860 (86082024)	0.02955 (86082024)	0.03025 (86082024)
20.0	0.02422 (86072324)	0.02488 (86072324)	0.02514 (86072324)	0.02509 (86072324)	0.02480 (86072324)
30.0	0.02195c(86081924)	0.02185c(86081924)	0.02148c(86081924)	0.02090c(86081924)	0.02019c(86081924)
40.0	0.02433 (86080424)	0.02239 (86080424)	0.02146 (86070224)	0.02150 (86070224)	0.02133 (86070224)
50.0	0.02270 (86100424)	0.02240 (86100424)	0.02193 (86100424)	0.02137 (86100424)	0.02093 (86112024)
60.0	0.02921 (86100424)	0.02766 (86100424)	0.02594 (86100424)	0.02420 (86100424)	0.02251 (86100424)
70.0	0.04218c(86081824)	0.04138c(86081824)	0.04019c(86081824)	0.03881c(86081824)	0.03733c(86081824)
80.0	0.02096c(86071924)	0.01979c(86071924)	0.01858c(86071924)	0.01737c(86071924)	0.01621c(86071924)
90.0	0.02812c(86071924)	0.02745c(86071924)	0.02674c(86071924)	0.02604c(86071924)	0.02539c(86071924)
100.0	0.02303c(86071924)	0.02230c(86071924)	0.02140c(86071924)	0.02041c(86071924)	0.01939c(86071924)
110.0	0.04005 (86042924)	0.03894 (86042924)	0.03756 (86042924)	0.03605 (86042924)	0.03449 (86042924)
120.0	0.03091c(86052224)	0.02927c(86052224)	0.02749c(86052224)	0.02569c(86052224)	0.02494 (86022024)
130.0	0.02999c(86012824)	0.02981c(86012824)	0.02923c(86012824)	0.02840c(86012824)	0.02740c(86012824)
140.0	0.02111 (86042824)	0.01994 (86042824)	0.01873 (86042824)	0.01871 (86032124)	0.01871 (86032124)
150.0	0.03690 (86101624)	0.03490 (86101624)	0.03272 (86101624)	0.03049 (86101624)	0.02829 (86101624)
160.0	0.03478 (86101624)	0.03625 (86101624)	0.03744 (86101624)	0.03827 (86101624)	0.03881 (86101624)
170.0	0.02984 (86120524)	0.03232 (86120524)	0.03428 (86120524)	0.03555 (86120524)	0.03629 (86120524)
180.0	0.02896 (86110324)	0.02871 (86110324)	0.02868 (86122824)	0.03035 (86122824)	0.03162 (86122824)
190.0	0.01737 (86102124)	0.01703c(86111324)	0.01674c(86111324)	0.01725c(86122624)	0.01817c(86122624)
200.0	0.02377 (86120424)	0.02272 (86102824)	0.02364 (86102824)	0.02435 (86102824)	0.02491 (86102824)
210.0	0.02519c(86111324)	0.02402c(86111324)	0.02283c(86111324)	0.02162c(86111324)	0.02085 (86101924)
220.0	0.02991 (86060524)	0.02922 (86060524)	0.02945 (86010824)	0.03012 (86010824)	0.03048 (86010824)
230.0	0.02684 (86010924)	0.02823 (86010924)	0.02926 (86010924)	0.02995 (86010924)	0.03035 (86010924)
240.0	0.02780 (86010924)	0.02923 (86010924)	0.03031 (86010924)	0.03105 (86010924)	0.03150 (86010924)
250.0	0.02811 (86091524)	0.02673 (86091524)	0.02538 (86091524)	0.02412 (86091524)	0.02294 (86091524)
260.0	0.02071 (86121424)	0.02035 (86121424)	0.02048c(86091024)	0.02072c(86091024)	0.02083c(86091024)
270.0	0.02263c(86051324)	0.02237 (86051524)	0.02256 (86051524)	0.02254 (86051524)	0.02235 (86051524)
280.0	0.02560 (86062324)	0.02435 (86062324)	0.02311 (86062324)	0.02192 (86062324)	0.02157 (86040424)
290.0	0.02687 (86062324)	0.02601 (86062324)	0.02512 (86062324)	0.02427 (86062324)	0.02342 (86062324)
300.0	0.03256 (86030924)	0.03352 (86030924)	0.03399 (86030924)	0.03417 (86030924)	0.03392 (86030924)
310.0	0.02694 (86122324)	0.02830 (86122324)	0.02923 (86122324)	0.02982 (86122324)	0.03004 (86122324)
320.0	0.02320 (86081124)	0.02192 (86081124)	0.02065 (86081124)	0.01945 (86081124)	0.01832 (86081124)
330.0	0.02791 (86031324)	0.02941 (86031324)	0.03055 (86031324)	0.03136 (86031324)	0.03185 (86031324)
340.0	0.03392 (86031224)	0.03363 (86031224)	0.03293 (86031224)	0.03196 (86031224)	0.03081 (86031224)
350.0	0.02752 (86100924)	0.02643 (86100924)	0.02535 (86100924)	0.02433 (86100924)	0.02337 (86100924)
360.0	0.02867c(86071324)	0.02821 (86112624)	0.02772 (86112624)	0.02707 (86112624)	0.02776 (86082024)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, REBND_20, REBND_21,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF TDI_24 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 900.00	950.00	1000.00
10.0	0.03070 (86082024)	0.03093 (86082024)	0.03098 (86082024)
20.0	0.02431 (86072324)	0.02371 (86072324)	0.02303 (86072324)
30.0	0.01962 (86072824)	0.01952 (86071024)	0.01948 (86071024)
40.0	0.02103 (86070224)	0.02060 (86070224)	0.02012 (86021024)
50.0	0.02122 (86112024)	0.02133 (86112024)	0.02131 (86112024)
60.0	0.02092 (86100424)	0.01968c(86031124)	0.01916c(86031124)
70.0	0.03584c(86081824)	0.03436c(86081824)	0.03294c(86081824)
80.0	0.01512c(86071924)	0.01446c(86081824)	0.01411c(86081824)
90.0	0.02479c(86071924)	0.02425c(86071924)	0.02377c(86071924)
100.0	0.01837c(86071924)	0.01738c(86071924)	0.01643c(86071924)
110.0	0.03295 (86042924)	0.03145 (86042924)	0.03001 (86042924)
120.0	0.02475 (86022024)	0.02446 (86022024)	0.02409 (86022024)
130.0	0.02632c(86012824)	0.02520c(86012824)	0.02408c(86012824)
140.0	0.01858 (86032124)	0.01834 (86032124)	0.01827 (86122924)
150.0	0.02619 (86101624)	0.02420 (86101624)	0.02236 (86101624)
160.0	0.03910 (86101624)	0.03915 (86101624)	0.03901 (86101624)
170.0	0.03658 (86120524)	0.03651 (86120524)	0.03614 (86120524)
180.0	0.03251 (86122824)	0.03306 (86122824)	0.03324 (86122824)
190.0	0.01891c(86122624)	0.01947c(86122624)	0.01979c(86122624)
200.0	0.02532 (86102824)	0.02561 (86102824)	0.02560 (86102824)
210.0	0.02057 (86101924)	0.02031 (86010724)	0.02020 (86010724)
220.0	0.03056 (86010824)	0.03042 (86010824)	0.02990 (86010824)
230.0	0.03051 (86010924)	0.03043 (86010924)	0.02997 (86010924)
240.0	0.03170 (86010924)	0.03162 (86010924)	0.03121 (86010924)
250.0	0.02185 (86091524)	0.02083 (86091524)	0.01985 (86091524)
260.0	0.02083c(86091024)	0.02067c(86091024)	0.02033c(86091024)
270.0	0.02205 (86051524)	0.02161 (86051524)	0.02103 (86051524)
280.0	0.02123 (86040424)	0.02076 (86040424)	0.02015 (86040424)
290.0	0.02260 (86062324)	0.02181 (86062324)	0.02098 (86062324)
300.0	0.03342 (86030924)	0.03273 (86030924)	0.03174 (86030924)
310.0	0.02999 (86122324)	0.02973 (86122324)	0.02909 (86122324)
320.0	0.01729 (86081124)	0.01634 (86081124)	0.01545 (86081124)
330.0	0.03209 (86031324)	0.03215 (86031324)	0.03190 (86031324)
340.0	0.02955 (86031224)	0.02825 (86031224)	0.02692 (86031224)
350.0	0.02247 (86100924)	0.02163 (86100924)	0.02082 (86100924)
360.0	0.02903 (86082024)	0.03008 (86082024)	0.03093 (86082024)

** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, REBND_20, REBND_21,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TDI_24 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
0.00	0.00	0.01406	(86010824)	15.24	0.00	0.01278	(86010824)
30.48	0.00	0.01079c	(86082324)	45.72	0.00	0.00953c	(86082324)
60.96	0.00	0.00969	(86120424)	76.20	0.00	0.01121c	(86111324)
91.44	0.00	0.01189c	(86111324)	106.68	0.00	0.01123	(86120624)
121.92	0.00	0.01140	(86120624)	137.16	0.00	0.01383	(86120524)
152.40	0.00	0.01786	(86120524)	167.64	0.00	0.01241	(86120524)
182.88	0.00	0.01652	(86011124)	198.12	0.00	0.01831	(86011124)
213.36	0.00	0.01178	(86011124)	213.36	15.24	0.00970	(86011124)
213.36	30.48	0.00949	(86032124)	213.36	45.72	0.00985	(86032124)
213.36	60.96	0.01309c	(86012824)	213.36	76.20	0.01341c	(86012824)
213.36	91.44	0.00965c	(86012824)	213.36	106.68	0.00726c	(86012824)
213.36	121.92	0.01378	(86011324)	213.36	137.16	0.00917	(86011324)
213.36	152.40	0.00917	(86012724)	213.36	167.64	0.00923c	(86041624)
213.36	182.88	0.00882	(86011924)	213.36	198.12	0.00959	(86022724)
213.36	213.36	0.01125	(86030424)	213.36	220.98	0.00917	(86030424)
198.12	220.98	0.00887	(86030324)	182.88	220.98	0.00695	(86021024)
167.64	220.98	0.00563	(86072824)	152.40	220.98	0.00253	(86072924)
137.16	220.98	0.00220c	(86121124)	121.92	220.98	0.00355	(86031324)
106.68	220.98	0.00570	(86031324)	91.44	220.98	0.00383	(86071724)
76.20	220.98	0.00669	(86071724)	60.96	220.98	0.00961	(86030924)
45.72	220.98	0.01584	(86030924)	30.48	220.98	0.01812	(86030924)
15.24	220.98	0.01673	(86030924)	0.00	220.98	0.01535	(86040624)
0.00	213.36	0.01540c	(86080924)	0.00	198.12	0.01587c	(86093024)
0.00	182.88	0.01573	(86043024)	0.00	167.64	0.01350	(86043024)
0.00	152.40	0.00897	(86051624)	0.00	137.16	0.00711c	(86060124)
0.00	121.92	0.00927	(86091524)	0.00	106.68	0.00918	(86091524)
0.00	91.44	0.00967	(86062624)	0.00	76.20	0.01060	(86062624)
0.00	60.96	0.01059	(86062624)	0.00	45.72	0.01089c	(86051724)
0.00	30.48	0.01254	(86010824)	0.00	15.24	0.01427	(86010824)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FOAMLINE, REBND_20, REBND_21,

** CONC OF TDI_24 IN MICROGRAMS/M**3 **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE			RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE		
1.	0.04229c	(86081824) AT (	670.50,	315.85)	GP	26.	0.03658	(86120524) AT (	262.96,	-775.69)	GP
2.	0.04218c	(86081824) AT (	717.48,	332.95)	GP	27.	0.03651	(86120524) AT (	271.65,	-824.93)	GP
3.	0.04138c	(86081824) AT (	764.46,	350.05)	GP	28.	0.03631	(86040624) AT (	-123.13,	303.48)	GP
4.	0.04131c	(86081824) AT (	623.51,	298.75)	GP	29.	0.03629	(86120524) AT (	254.28,	-726.45)	GP
5.	0.04069	(86042924) AT (	670.50,	-94.57)	GP	30.	0.03625	(86101624) AT (	346.09,	-547.14)	GP
6.	0.04054	(86042924) AT (	623.51,	-77.47)	GP	31.	0.03614	(86120524) AT (	280.33,	-874.17)	GP
7.	0.04019c	(86081824) AT (	811.45,	367.16)	GP	32.	0.03605	(86042924) AT (	858.43,	-162.98)	GP
8.	0.04005	(86042924) AT (	717.48,	-111.67)	GP	33.	0.03599	(86040624) AT (	-161.44,	335.62)	GP
9.	0.03949	(86101624) AT (	381.68,	-365.67)	GP	34.	0.03589	(86042924) AT (	529.54,	-43.27)	GP
10.	0.03947	(86101624) AT (	356.68,	-322.37)	GP	35.	0.03584c	(86081824) AT (	952.40,	418.46)	GP
11.	0.03915	(86101624) AT (	431.60,	-782.07)	GP	36.	0.03559c	(86071324) AT (	167.46,	455.32)	GP
12.	0.03912	(86042924) AT (	576.53,	-60.37)	GP	37.	0.03555	(86120524) AT (	245.60,	-677.21)	GP
13.	0.03910	(86101624) AT (	414.50,	-735.08)	GP	38.	0.03526c	(86071324) AT (	176.14,	504.56)	GP
14.	0.03901	(86101624) AT (	448.70,	-829.05)	GP	39.	0.03496	(86101624) AT (	306.68,	-235.77)	GP
15.	0.03894	(86042924) AT (	764.46,	-128.77)	GP	40.	0.03490	(86101624) AT (	456.68,	-495.58)	GP
16.	0.03881	(86101624) AT (	397.40,	-688.10)	GP	41.	0.03478	(86101624) AT (	328.99,	-500.16)	GP
17.	0.03881c	(86081824) AT (	858.43,	384.26)	GP	42.	0.03449	(86042924) AT (	905.42,	-180.08)	GP
18.	0.03868c	(86081824) AT (	576.53,	281.65)	GP	43.	0.03436c	(86081824) AT (	999.39,	435.56)	GP
19.	0.03852	(86101624) AT (	406.68,	-408.98)	GP	44.	0.03432c	(86071324) AT (	106.68,	510.64)	GP
20.	0.03827	(86101624) AT (	380.30,	-641.11)	GP	45.	0.03428	(86120524) AT (	236.92,	-627.97)	GP
21.	0.03805	(86101624) AT (	331.68,	-279.07)	GP	46.	0.03417	(86030924) AT (	-586.14,	510.64)	GP
22.	0.03756	(86042924) AT (	811.45,	-145.88)	GP	47.	0.03411	(86040624) AT (	-196.43,	285.64)	GP
23.	0.03744	(86101624) AT (	363.20,	-594.13)	GP	48.	0.03401c	(86071324) AT (	106.68,	560.64)	GP
24.	0.03733c	(86081824) AT (	905.42,	401.36)	GP	49.	0.03400	(86040624) AT (	-199.74,	367.76)	GP
25.	0.03690	(86101624) AT (	431.68,	-452.28)	GP	50.	0.03399	(86030924) AT (	-542.84,	485.64)	GP

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

** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

** CONC OF TDI_24 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL HIGH 1ST HIGH VALUE IS	0.04229c	ON 86081824:	AT (670.50, 315.85, 0.00, 0.00)	GP	POLAR_1

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** Message Summary For ISC2 Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 328 Informational Message(s)

A Total of 328 Calm Hours Identified

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

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

****
*** ISCST2 Finishes Successfully ***
****

APPENDIX J

ISCST2 OUTPUT LISTING

1,1,1-TRICHLOROETHANE 24-HOUR AVERAGE EMISSIONS

RUN: FMX11124

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                ISCST2 - (DATED 93109)

                IBM-PC VERSION (2.11 ) ISCST2F
                (C) COPYRIGHT 1992, TRINITY CONSULTANTS, INC.
                SERIAL NUMBER 10573 SOLD TO CROSS, TESSITORE & ASSOC.

Run Began on  4/25/1995 at 15:38:43


*** TRINITY SOURCE FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXSRC.PNT
*** TRINITY DOWNWASH FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXBPIP.WAK
*** TRINITY RECEPTOR FILE NAME: D:\MODELDAT\ISCST2\FMXTEMP\FMXREC.REC
CO STARTING
CO TITLEONE Foamex - 125 ft Foam Line & LBSR Stacks (GEP), 53 ft Exhaust Stacks
CO TITLETWO 1,1,1-Trichloroethane 24-hr Average Emissions
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME 24
CO POLLUTID 111_24
CO TERRHGTS FLAT
CO ELEVUNIT FEET
CO RUNORNOT RUN
CO FINISHED
SO STARTING
SO LOCATION EXFAN_3 POINT     108.51      97.23       0.00
SO SRCPARAM EXFAN_3 0.018529     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_4 POINT     108.51     110.64       0.00
SO SRCPARAM EXFAN_4 0.018529     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_5 POINT     108.51     119.79       0.00
SO SRCPARAM EXFAN_5 0.018529     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_6 POINT     108.51     135.64       0.00
SO SRCPARAM EXFAN_6 0.018529     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_7 POINT     108.51     152.71       0.00
SO SRCPARAM EXFAN_7 0.018529     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_8 POINT     108.51     168.86       0.00
SO SRCPARAM EXFAN_8 0.018529     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_9 POINT     108.51     183.79       0.00
SO SRCPARAM EXFAN_9 0.018529     16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_10 POINT    108.51     192.94       0.00
SO SRCPARAM EXFAN_10 0.018529    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_11 POINT    147.52      97.23       0.00
SO SRCPARAM EXFAN_11 0.018529    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_12 POINT    147.52     110.64       0.00
SO SRCPARAM EXFAN_12 0.018529    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_13 POINT    147.52     119.79       0.00
SO SRCPARAM EXFAN_13 0.018529    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_14 POINT    147.52     135.64       0.00
SO SRCPARAM EXFAN_14 0.018529    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_15 POINT    147.52     152.71       0.00
SO SRCPARAM EXFAN_15 0.018529    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_16 POINT    147.52     168.86       0.00
SO SRCPARAM EXFAN_16 0.018529    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_17 POINT    147.52     183.79       0.00
SO SRCPARAM EXFAN_17 0.018529    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_18 POINT    147.52     192.94       0.00
SO SRCPARAM EXFAN_18 0.018529    16.15     299.82    24.6109      1.105
SO LOCATION EXFAN_19 POINT    182.88     102.56       0.00
SO SRCPARAM EXFAN_19 0.018529    16.15     299.82    24.6109      1.105
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SO BUILDHGT EXFAN_3    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_3    12.19    12.19    12.19    15.24    15.24    15.24
SO BUILDHGT EXFAN_3    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDHGT EXFAN_3    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_3    12.19    12.19    12.19    15.24    15.24    15.24
SO BUILDHGT EXFAN_3    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_3    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_3    101.55   104.18   103.63    76.71    85.56    91.81
SO BUILDWID  EXFAN_3     95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDWID  EXFAN_3    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_3     39.97    39.64    38.10    76.71    85.56    91.81
SO BUILDWID  EXFAN_3     95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_4    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_4    10.67    12.19    12.19    12.19    15.24    15.24
SO BUILDHGT EXFAN_4    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDHGT EXFAN_4    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_4    10.67    12.19    12.19    12.19    15.24    15.24
SO BUILDHGT EXFAN_4    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_4    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_4    146.50   104.18   103.63   114.23    85.56    91.81
SO BUILDWID  EXFAN_4     95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDWID  EXFAN_4    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_4    146.50    39.64    38.10    39.64    85.56    91.81
SO BUILDWID  EXFAN_4     95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_5    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_5    10.67    10.67    12.19    12.19    15.24    15.24
SO BUILDHGT EXFAN_5    10.67    10.67    10.67    12.19    12.19    10.67
SO BUILDHGT EXFAN_5    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_5    10.67    10.67    12.19    12.19    15.24    15.24
SO BUILDHGT EXFAN_5    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_5    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_5    146.50   135.51   103.63   114.23    85.56    91.81
SO BUILDWID  EXFAN_5    150.26   148.19   141.62   101.32    87.04    97.54
SO BUILDWID  EXFAN_5    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_5    146.50   135.51    38.10    39.64    85.56    91.81
SO BUILDWID  EXFAN_5     95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    12.19    10.67    10.67
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_6    10.67    10.67    10.67    12.19    12.19    15.24
SO BUILDHGT EXFAN_6    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_6    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_6    146.50   135.51   120.40   114.23   140.77   147.76
SO BUILDWID  EXFAN_6    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_6    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_6    146.50   135.51   120.40    39.64    39.97    91.81
SO BUILDWID  EXFAN_6     95.26    95.83    93.48    88.29    80.42    97.54
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_7    15.24    15.24    15.24    15.24    15.24    10.67
SO BUILDWID  EXFAN_7    116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_7    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_7    150.26   148.19   141.62   130.75   115.90    97.54
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SO BUILDWID  EXFAN_7     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_7     146.50   135.51   120.40   129.50   140.77   147.76
SO [redacted]DWID  EXFAN_7      95.26    95.83    93.48    88.29    80.42    97.54
SO [redacted]DHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_8    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_8     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_8     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_8     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_8     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_8     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_8     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_9    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_9     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_9     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_9     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_9     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_9     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_9     150.26   148.19   141.62   130.75   115.90    97.54
SO [redacted]DHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO [redacted]DHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_10    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_10     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_10     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_10     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_10     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_10     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_10     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_11    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    12.19    12.19    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    12.19    12.19    15.24    15.24    15.24
SO BUILDHGT EXFAN_11    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_11      80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  EXFAN_11      85.56   104.18   103.63    76.71    85.56    91.81
SO BUILDWID  EXFAN_11      95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDWID  EXFAN_11      80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  EXFAN_11      85.56    39.64    38.10    76.71    85.56    91.81
SO BUILDWID  EXFAN_11      95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_12    15.24    15.24    15.24    15.24    15.24    12.19
SO BUILDHGT EXFAN_12    12.19    12.19    12.19    12.19    12.19    15.24
SO [redacted]LDHGT EXFAN_12    15.24    15.24    15.24    15.24    15.24    15.24
SO [redacted]LDHGT EXFAN_12    15.24    15.24    15.24    15.24    15.24    12.19
SO BUILDHGT EXFAN_12    12.19    12.19    12.19    12.19    12.19    15.24
SO BUILDHGT EXFAN_12    15.24    15.24    15.24    15.24    15.24    15.24
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SO BUILDWID  EXFAN_12     80.42    88.29    93.48    95.83    95.26    39.09
SO BUILDWID  EXFAN_12     39.97    39.64   103.63   114.23    39.97    91.81
SO BUILDWID  EXFAN_12     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDWID  EXFAN_12     80.42    88.29    93.48    95.83    95.26    39.09
SO BUILDWID  EXFAN_12     39.97    39.64    38.10    39.64    39.97    91.81
SO BUILDWID  EXFAN_12     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_13    15.24    15.24    15.24    15.24    10.67    10.67
SO BUILDHGT EXFAN_13    10.67    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT EXFAN_13    15.24    15.24    15.24    15.24    12.19    12.19
SO BUILDHGT EXFAN_13    15.24    15.24    15.24    15.24    10.67    10.67
SO BUILDHGT EXFAN_13    10.67    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT EXFAN_13    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_13     80.42    88.29    93.48    95.83   154.93   153.04
SO BUILDWID  EXFAN_13    146.50    39.64   103.63   114.23   121.36   124.80
SO BUILDWID  EXFAN_13     95.26    95.83    93.48    88.29    87.04    70.11
SO BUILDWID  EXFAN_13     80.42    88.29    93.48    95.83   154.93   153.04
SO BUILDWID  EXFAN_13    146.50    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  EXFAN_13     95.26    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_14    15.24    15.24    15.24    10.67    10.67    10.67
SO BUILDHGT EXFAN_14    10.67    10.67    10.67    10.67    12.19    12.19
SO BUILDHGT EXFAN_14    12.19    15.24    10.67    12.19    12.19    12.19
SO BUILDHGT EXFAN_14    12.19    12.19    15.24    10.97    10.97    10.67
SO BUILDHGT EXFAN_14    10.67    10.67    10.67    10.67    12.19    12.19
SO BUILDHGT EXFAN_14    12.19    15.24    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_14     80.42    88.29    93.48   152.11   154.93   153.04
SO BUILDWID  EXFAN_14    146.50   135.51   120.40   129.50   121.36   124.80
SO BUILDWID  EXFAN_14    124.45    95.83   141.62   101.32    87.04    70.11
SO BUILDWID  EXFAN_14     80.42    88.29    93.48    24.97    24.41   153.04
SO BUILDWID  EXFAN_14    146.50   135.51   120.40   129.50    39.97    39.09
SO BUILDWID  EXFAN_14     37.02    95.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_15    15.24    15.24    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_15    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_15    12.19    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_15    12.19    12.19    10.67    10.97    10.97    10.97
SO BUILDHGT EXFAN_15    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_15    12.19    12.19    15.24    15.24    15.24    15.24
SO BUILDWID  EXFAN_15     80.42    88.29   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_15    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_15    124.45   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_15     80.42    88.29   144.67    24.97    24.41    23.11
SO BUILDWID  EXFAN_15    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_15     37.02    33.83    93.48    88.29    80.42    70.11
SO BUILDHGT EXFAN_16    12.19    12.19    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_16    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_16    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_16    10.67    10.67    10.67    10.67    10.97    10.97
SO BUILDHGT EXFAN_16    10.97    10.97    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_16    10.67    12.19    12.19    12.19    12.19    12.19
SO BUILDWID  EXFAN_16     80.42    88.29   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_16    146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_16    150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_16    116.96   132.83   144.67   152.11    24.41    23.11
SO BUILDWID  EXFAN_16     21.10    18.45   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_16    150.26    33.83    29.61    24.49    87.04    70.11
SO BUILDHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
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SO BUILDHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_17    10.97    10.97    10.97    10.97    10.97    10.67
SO [redacted]DHGT EXFAN_17    10.67    10.67    10.67    10.67    10.67    10.67
SO [redacted]DWID  EXFAN_17     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_17     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_17     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_17     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_17      21.10    18.45    15.24    18.45    21.10   147.76
SO BUILDWID  EXFAN_17     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDHGT EXFAN_18    10.67    10.67    10.97    10.97    10.97    10.97
SO BUILDHGT EXFAN_18    10.67    10.67    10.67    10.67    10.67    10.67
SO BUILDWID  EXFAN_18     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_18     146.50   135.51   120.40   129.50   140.77   147.76
SO BUILDWID  EXFAN_18     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDWID  EXFAN_18     116.96   132.83   144.67   152.11   154.93   153.04
SO BUILDWID  EXFAN_18     146.50   135.51    15.24    18.45    21.10    23.11
SO BUILDWID  EXFAN_18     150.26   148.19   141.62   130.75   115.90    97.54
SO BUILDHGT EXFAN_19    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_19    15.24    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT EXFAN_19    12.19    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_19    15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT EXFAN_19    15.24    12.19    12.19    12.19    12.19    12.19
SO BUILDHGT EXFAN_19    12.19    15.24    15.24    15.24    15.24    15.24
SO [redacted]LDWID  EXFAN_19      80.42    88.29    93.48    95.83    95.26    91.81
SO [redacted]DWID  EXFAN_19      85.56    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  EXFAN_19      37.02    95.83    93.48    88.29    80.42    70.11
SO BUILDWID  EXFAN_19      80.42    88.29    93.48    95.83    95.26    91.81
SO BUILDWID  EXFAN_19      85.56    39.64    38.10    39.64    39.97    39.09
SO BUILDWID  EXFAN_19      37.02    95.83    93.48    88.29    80.42    70.11
SO EMISUNIT 1000000.000000 GRAMS/SEC MICROGRAMS/M**3
SO SRCGROUP ALL
SO FINISHED
RE STARTING
RE GRIDPOLR POLAR_1  STA
RE GRIDPOLR POLAR_1  ORIG 106.68 110.64
RE GRIDPOLR POLAR_1  DIST 150.00 200.00 250.00 300.00
RE GRIDPOLR POLAR_1  DIST 350.00 400.00 450.00 500.00
RE GRIDPOLR POLAR_1  DIST 550.00 600.00 650.00 700.00
RE GRIDPOLR POLAR_1  DIST 750.00 800.00 850.00 900.00
RE GRIDPOLR POLAR_1  DIST 950.00 1000.00
RE GRIDPOLR POLAR_1  GDIR 36 10.00 10.00
RE GRIDPOLR POLAR_1  END
RE DISCCART 0.00 0.00
RE DISCCART 15.24 0.00
RE DISCCART 30.48 0.00
RE DISCCART 45.72 0.00
RE DISCCART 60.96 0.00
RE DISCCART 76.20 0.00
RE DISCCART 91.44 0.00
RE [redacted]CCART 106.68 0.00
RE [redacted]CCART 121.92 0.00
RE DISCCART 137.16 0.00
RE DISCCART 152.40 0.00
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RE DISCCART 167.64 0.00
RE DISCCART 182.88 0.00
RE DISCCART 198.12 0.00
RE DISCCART 213.36 0.00
RE DISCCART 213.36 15.24
RE DISCCART 213.36 30.48
RE DISCCART 213.36 45.72
RE DISCCART 213.36 60.96
RE DISCCART 213.36 76.20
RE DISCCART 213.36 91.44
RE DISCCART 213.36 106.68
RE DISCCART 213.36 121.92
RE DISCCART 213.36 137.16
RE DISCCART 213.36 152.40
RE DISCCART 213.36 167.64
RE DISCCART 213.36 182.88
RE DISCCART 213.36 198.12
RE DISCCART 213.36 213.36
RE DISCCART 213.36 220.98
RE DISCCART 198.12 220.98
RE DISCCART 182.88 220.98
RE DISCCART 167.64 220.98
RE DISCCART 152.40 220.98
RE DISCCART 137.16 220.98
RE DISCCART 121.92 220.98
RE DISCCART 106.68 220.98
RE DISCCART 91.44 220.98
RE DISCCART 76.20 220.98
RE DISCCART 60.96 220.98
RE DISCCART 45.72 220.98
RE DISCCART 30.48 220.98
RE DISCCART 15.24 220.98
RE DISCCART 0.00 220.98
RE DISCCART 0.00 213.36
RE DISCCART 0.00 198.12
RE DISCCART 0.00 182.88
RE DISCCART 0.00 167.64
RE DISCCART 0.00 152.40
RE DISCCART 0.00 137.16
RE DISCCART 0.00 121.92
RE DISCCART 0.00 106.68
RE DISCCART 0.00 91.44
RE DISCCART 0.00 76.20
RE DISCCART 0.00 60.96
RE DISCCART 0.00 45.72
RE DISCCART 0.00 30.48
RE DISCCART 0.00 15.24
RE FINISHED
ME STARTING
ME INPUTFIL D:\MODELDAT\ISCST2\FMXTEMP\ORLPRE86.BIN UNFORM
ME ANEMHGHT   10.000 METERS
ME SURFDATA 12815 1986 ORLANDO
ME UAIRDATA 12842 1986 TAMPA
ME STARTEND 1986 1 1 1 1986 12 31 24
ME FINISHED
OU STARTING
OU RECTABLE 24 FIRST
```

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OU MAXTABLE 24 50
OU FINISHED

**********************************
*** SETUP Finishes Successfully ***
**********************************
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 *** ISCST2 - VERSION 93109 ***     *** Foamex - 125 ft Foam Line & LBSR Stacks (GEP), 53 ft Exhaust Stacks  ***        04/25/95
                                    *** 1,1,1-Trichloroethane 24-hr Average Emissions                        ***        15:38:45
                                                                                                                        PAGE   1
 **MODELING OPTIONS USED:  CONC   RURAL  FLAT         DFAULT

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

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

**Model Uses RURAL Dispersion.

**Model Uses Regulatory DEFAULT Options:
          1. Final Plume Rise.
          2. Stack-tip Downwash.
          3. Buoyancy-induced Dispersion.
          4. Use Calms Processing Routine.
          5. Not Use Missing Data Processing Routine.
          6. Default Wind Profile Exponents.
          7. Default Vertical Potential Temperature Gradients.
          8. "Upper Bound" Values for Supersquat Buildings.
          9. No Exponential Decay for RURAL Mode

**Model Assumes Receptors on FLAT Terrain.

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  1 Short Term Average(s) of:  24-HR

**This Run Includes:   17 Source(s);      1 Source Group(s); and    706 Receptor(s)

**The Model Assumes A Pollutant Type of:  111_24

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

**Output Options Selected:
        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: D:\MODELDAT\ISCST2\FMXTEMP\FMX11124.DAT ;  **Output Print File: D:\MODELDAT\ISCST2\FMXTEMP\FMX11124.LST
```

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	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
EXFAN_3	0	0.18529E-01	108.5	97.2	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_4	0	0.18529E-01	108.5	110.6	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_5	0	0.18529E-01	108.5	119.8	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_6	0	0.18529E-01	108.5	135.6	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_7	0	0.18529E-01	108.5	152.7	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_8	0	0.18529E-01	108.5	168.9	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_9	0	0.18529E-01	108.5	183.8	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_10	0	0.18529E-01	108.5	192.9	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_11	0	0.18529E-01	147.5	97.2	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_12	0	0.18529E-01	147.5	110.6	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_13	0	0.18529E-01	147.5	119.8	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_14	0	0.18529E-01	147.5	135.6	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_15	0	0.18529E-01	147.5	152.7	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_16	0	0.18529E-01	147.5	168.9	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_17	0	0.18529E-01	147.5	183.8	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_18	0	0.18529E-01	147.5	192.9	0.0	16.15	299.82	24.61	1.11	YES	
EXFAN_19	0	0.18529E-01	182.9	102.6	0.0	16.15	299.82	24.61	1.11	YES	

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_3

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	12.2,	101.6,	0	8	12.2,	104.2,	0	9	12.2,	103.6,	0	10	15.2,	76.7,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	12.2,	40.0,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	15.2,	76.7,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_4

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	12.2,	104.2,	0	9	12.2,	103.6,	0	10	12.2,	114.2,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_5

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	12.2,	103.6,	0	10	12.2,	114.2,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	12.2,	101.3,	0	17	12.2,	87.0,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_6

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	12.2,	114.2,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_7

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_8

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_9

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_10

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_11

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	15.2,	91.8,	0
7	15.2,	85.6,	0	8	12.2,	104.2,	0	9	12.2,	103.6,	0	10	15.2,	76.7,	0	11	15.2,	85.6,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	15.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	15.2,	91.8,	0
25	15.2,	85.6,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	15.2,	76.7,	0	29	15.2,	85.6,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_12

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	12.2,	39.1,	0
7	12.2,	40.0,	0	8	12.2,	39.6,	0	9	12.2,	103.6,	0	10	12.2,	114.2,	0	11	12.2,	40.0,	0	12	15.2,	91.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	15.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	12.2,	39.1,	0
25	12.2,	40.0,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	15.2,	91.8,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_13

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	12.2,	39.6,	0	9	12.2,	103.6,	0	10	12.2,	114.2,	0	11	12.2,	121.4,	0	12	12.2,	124.8,	0
13	15.2,	95.3,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	12.2,	87.0,	0	18	12.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	15.2,	95.3,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_14

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	12.2,	121.4,	0	12	12.2,	124.8,	0
13	12.2,	124.5,	0	14	15.2,	95.8,	0	15	10.7,	141.6,	0	16	12.2,	101.3,	0	17	12.2,	87.0,	0	18	12.2,	70.1,	0
19	12.2,	80.4,	0	20	12.2,	88.3,	0	21	15.2,	93.5,	0	22	11.0,	25.0,	0	23	11.0,	24.4,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	12.2,	37.0,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_15

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	12.2,	124.5,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	12.2,	80.4,	0	20	12.2,	88.3,	0	21	10.7,	144.7,	0	22	11.0,	25.0,	0	23	11.0,	24.4,	0	24	11.0,	23.1,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	12.2,	37.0,	0	32	12.2,	33.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

SOURCE ID: EXFAN_16

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	12.2,	80.4,	0	2	12.2,	88.3,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	11.0,	24.4,	0	24	11.0,	23.1,	0
25	11.0,	21.1,	0	26	11.0,	18.4,	0	27	10.7,	120.4,	0	28	10.7,	129.5,	0	29	10.7,	140.8,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	12.2,	33.8,	0	33	12.2,	29.6,	0	34	12.2,	24.5,	0	35	12.2,	87.0,	0	36	12.2,	70.1,	0

SOURCE ID: EXFAN_17

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	11.0,	21.1,	0	26	11.0,	18.4,	0	27	11.0,	15.2,	0	28	11.0,	18.4,	0	29	11.0,	21.1,	0	30	10.7,	147.8,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

SOURCE ID: EXFAN_18

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	10.7,	117.0,	0	2	10.7,	132.8,	0	3	10.7,	144.7,	0	4	10.7,	152.1,	0	5	10.7,	154.9,	0	6	10.7,	153.0,	0
7	10.7,	146.5,	0	8	10.7,	135.5,	0	9	10.7,	120.4,	0	10	10.7,	129.5,	0	11	10.7,	140.8,	0	12	10.7,	147.8,	0
13	10.7,	150.3,	0	14	10.7,	148.2,	0	15	10.7,	141.6,	0	16	10.7,	130.8,	0	17	10.7,	115.9,	0	18	10.7,	97.5,	0
19	10.7,	117.0,	0	20	10.7,	132.8,	0	21	10.7,	144.7,	0	22	10.7,	152.1,	0	23	10.7,	154.9,	0	24	10.7,	153.0,	0
25	10.7,	146.5,	0	26	10.7,	135.5,	0	27	11.0,	15.2,	0	28	11.0,	18.4,	0	29	11.0,	21.1,	0	30	11.0,	23.1,	0
31	10.7,	150.3,	0	32	10.7,	148.2,	0	33	10.7,	141.6,	0	34	10.7,	130.8,	0	35	10.7,	115.9,	0	36	10.7,	97.5,	0

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: EXFAN_19

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	15.2,	80.4,	0	2	15.2,	88.3,	0	3	15.2,	93.5,	0	4	15.2,	95.8,	0	5	15.2,	95.3,	0	6	15.2,	91.8,	0
7	15.2,	85.6,	0	8	12.2,	39.6,	0	9	12.2,	38.1,	0	10	12.2,	39.6,	0	11	12.2,	40.0,	0	12	12.2,	39.1,	0
13	12.2,	37.0,	0	14	15.2,	95.8,	0	15	15.2,	93.5,	0	16	15.2,	88.3,	0	17	15.2,	80.4,	0	18	15.2,	70.1,	0
19	15.2,	80.4,	0	20	15.2,	88.3,	0	21	15.2,	93.5,	0	22	15.2,	95.8,	0	23	15.2,	95.3,	0	24	15.2,	91.8,	0
25	15.2,	85.6,	0	26	12.2,	39.6,	0	27	12.2,	38.1,	0	28	12.2,	39.6,	0	29	12.2,	40.0,	0	30	12.2,	39.1,	0
31	12.2,	37.0,	0	32	15.2,	95.8,	0	33	15.2,	93.5,	0	34	15.2,	88.3,	0	35	15.2,	80.4,	0	36	15.2,	70.1,	0

** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

*** ORIGIN FOR POLAR NETWORK ***
X-ORIG = 106.68 ; Y-ORIG = 110.64 (METERS)

*** DISTANCE RANGES OF NETWORK ***
(METERS)

150.0, 200.0, 250.0, 300.0, 350.0, 400.0, 450.0, 500.0, 550.0, 600.0,
650.0, 700.0, 750.0, 800.0, 850.0, 900.0, 950.0, 1000.0,

*** DIRECTION RADIALS OF NETWORK ***
(DEGREES)

10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0,
110.0, 120.0, 130.0, 140.0, 150.0, 160.0, 170.0, 180.0, 190.0, 200.0,
210.0, 220.0, 230.0, 240.0, 250.0, 260.0, 270.0, 280.0, 290.0, 300.0,
310.0, 320.0, 330.0, 340.0, 350.0, 360.0,

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

(0.0,	0.0,	0.0,	0.0);	(15.2,	0.0,	0.0,	0.0);
(30.5,	0.0,	0.0,	0.0);	(45.7,	0.0,	0.0,	0.0);
(61.0,	0.0,	0.0,	0.0);	(76.2,	0.0,	0.0,	0.0);
(91.4,	0.0,	0.0,	0.0);	(106.7,	0.0,	0.0,	0.0);
(121.9,	0.0,	0.0,	0.0);	(137.2,	0.0,	0.0,	0.0);
(152.4,	0.0,	0.0,	0.0);	(167.6,	0.0,	0.0,	0.0);
(182.9,	0.0,	0.0,	0.0);	(198.1,	0.0,	0.0,	0.0);
(213.4,	0.0,	0.0,	0.0);	(213.4,	15.2,	0.0,	0.0);
(213.4,	30.5,	0.0,	0.0);	(213.4,	45.7,	0.0,	0.0);
(213.4,	61.0,	0.0,	0.0);	(213.4,	76.2,	0.0,	0.0);
(213.4,	91.4,	0.0,	0.0);	(213.4,	106.7,	0.0,	0.0);
(213.4,	121.9,	0.0,	0.0);	(213.4,	137.2,	0.0,	0.0);
(213.4,	152.4,	0.0,	0.0);	(213.4,	167.6,	0.0,	0.0);
(213.4,	182.9,	0.0,	0.0);	(213.4,	198.1,	0.0,	0.0);
(213.4,	213.4,	0.0,	0.0);	(213.4,	221.0,	0.0,	0.0);
(198.1,	221.0,	0.0,	0.0);	(182.9,	221.0,	0.0,	0.0);
(167.6,	221.0,	0.0,	0.0);	(152.4,	221.0,	0.0,	0.0);
(137.2,	221.0,	0.0,	0.0);	(121.9,	221.0,	0.0,	0.0);
(106.7,	221.0,	0.0,	0.0);	(91.4,	221.0,	0.0,	0.0);
(76.2,	221.0,	0.0,	0.0);	(61.0,	221.0,	0.0,	0.0);
(45.7,	221.0,	0.0,	0.0);	(30.5,	221.0,	0.0,	0.0);
(15.2,	221.0,	0.0,	0.0);	(0.0,	221.0,	0.0,	0.0);
(0.0,	213.4,	0.0,	0.0);	(0.0,	198.1,	0.0,	0.0);
(0.0,	182.9,	0.0,	0.0);	(0.0,	167.6,	0.0,	0.0);
(0.0,	152.4,	0.0,	0.0);	(0.0,	137.2,	0.0,	0.0);
(0.0,	121.9,	0.0,	0.0);	(0.0,	106.7,	0.0,	0.0);
(0.0,	91.4,	0.0,	0.0);	(0.0,	76.2,	0.0,	0.0);
(0.0,	61.0,	0.0,	0.0);	(0.0,	45.7,	0.0,	0.0);
(0.0,	30.5,	0.0,	0.0);	(0.0,	15.2,	0.0,	0.0);

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

* SOURCE-RECEPTOR COMBINATIONS LESS THAN 1.0 METER OR 3*ZLB *
IN DISTANCE. CALCULATIONS MAY NOT BE PERFORMED.

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
EXFAN_10	121.9	221.0	31.08
EXFAN_10	106.7	221.0	28.10
EXFAN_18	152.4	221.0	28.46
EXFAN_18	137.2	221.0	29.89
EXFAN_19	213.4	91.4	32.45
EXFAN_19	213.4	106.7	30.76
EXFAN_19	213.4	121.9	36.11

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 86 1 1 1
AND END DATE: 86 12 31 24

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
B	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
C	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
D	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
E	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00
F	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00

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

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

FILE: D:\MODELDAT\ISCST2\FMXTEMP\ORLPRE86.BIN FORMAT: UNFORM
SURFACE STATION NO.: 12815 UPPER AIR STATION NO.: 12842
NAME: ORLANDO NAME: TAMPA
YEAR: 1986 YEAR: 1986

YEAR	MONTH	DAY	HOUR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	URBAN
86	1	1	1	1.0	3.60	289.3	4	639.0	639.0
86	1	1	2	168.0	5.14	288.7	4	639.0	639.0
86	1	1	3	124.0	3.09	288.2	4	639.0	639.0
86	1	1	4	353.0	2.57	288.2	4	639.0	639.0
86	1	1	5	333.0	2.57	288.7	4	639.0	639.0
86	1	1	6	332.0	2.57	288.7	4	639.0	639.0
86	1	1	7	335.0	3.09	288.7	4	639.0	639.0
86	1	1	8	3.0	3.60	289.3	4	639.0	639.0
86	1	1	9	347.0	3.60	289.8	4	639.0	639.0
86	1	1	10	1.0	5.14	292.0	4	639.0	639.0
86	1	1	11	14.0	4.63	292.6	4	639.0	639.0
86	1	1	12	16.0	4.12	294.3	4	639.0	639.0
86	1	1	13	73.0	3.09	295.4	4	639.0	639.0
86	1	1	14	49.0	3.60	297.0	4	639.0	639.0
86	1	1	15	142.0	2.06	296.5	4	639.0	639.0
86	1	1	16	144.0	2.06	295.9	4	639.0	639.0
86	1	1	17	261.0	2.06	295.4	4	639.0	639.0
86	1	1	18	257.0	2.06	292.6	4	644.0	644.0
86	1	1	19	274.0	3.60	291.5	4	655.0	655.0
86	1	1	20	227.0	3.09	290.9	4	666.0	666.0
86	1	1	21	230.0	3.09	290.9	4	678.0	678.0
86	1	1	22	252.0	2.57	290.4	5	689.0	477.0
86	1	1	23	290.0	2.06	290.4	4	700.0	700.0
86	1	1	24	290.0	1.00	290.4	4	712.0	712.0

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF 111_24 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 150.00	200.00	250.00	300.00	350.00
10.0	1.90000 (86072924)	2.98237c(86121124)	3.06041c(86121124)	2.77334c(86121124)	2.47159 (86121224)
20.0	2.12422c(86121124)	2.36861 (86072924)	2.21022 (86072924)	2.06316 (86072924)	1.94837 (86011024)
30.0	1.94869 (86072924)	2.16478 (86072924)	2.13473 (86072824)	2.32184 (86072824)	2.37941 (86072824)
40.0	1.95062 (86022724)	2.10809 (86022724)	2.29673 (86072824)	2.25083 (86072824)	2.07988 (86072824)
50.0	1.86406 (86022724)	2.29295 (86022724)	2.32575 (86022724)	2.14617 (86022724)	1.93619 (86073024)
60.0	1.77479 (86022724)	2.18484 (86011924)	2.45558 (86011924)	2.55061 (86011924)	2.47507 (86011924)
70.0	1.54561 (86011924)	2.13512 (86011924)	2.28098 (86011924)	2.21529 (86011924)	2.10020 (86011924)
80.0	1.85721 (86012724)	1.94911 (86012724)	2.02298c(86041624)	2.03919c(86041624)	1.93598c(86041624)
90.0	1.93558 (86012724)	2.21332 (86012724)	2.20330 (86012724)	2.25286c(86041624)	2.15495c(86041624)
100.0	2.08772 (86012724)	2.28625 (86012724)	2.21185 (86012724)	2.05752 (86012724)	1.87486 (86012724)
110.0	1.96431 (86012724)	2.10378 (86042924)	2.76260 (86042924)	3.01228 (86042924)	2.98821 (86042924)
120.0	1.51364c(86012824)	1.96147 (86042624)	2.37740c(86012824)	2.53753c(86012824)	2.47274c(86012824)
130.0	1.58386c(86012824)	2.16944c(86012824)	2.32416c(86012824)	2.36766c(86012824)	2.33954c(86012824)
140.0	2.08191 (86011124)	2.18798 (86032124)	2.35935 (86032124)	2.33237 (86032124)	2.23308 (86032124)
150.0	2.98752 (86011124)	3.41055 (86011124)	3.21906 (86011124)	2.81101 (86011124)	2.65955 (86101624)
160.0	2.13401 (86011124)	2.51345 (86011124)	2.73269 (86011124)	2.88377 (86011124)	2.95864 (86011124)
170.0	2.62923 (86032224)	2.54485 (86032224)	2.39800 (86120524)	2.77155 (86120524)	3.00235 (86120524)
180.0	1.94021 (86032224)	2.43500 (86032224)	2.64217 (86032224)	2.63253 (86032224)	2.52324 (86032224)
190.0	1.97321c(86111324)	2.26829c(86111324)	2.23438c(86111324)	2.07947c(86111324)	1.88568c(86111324)
200.0	2.37577c(86111324)	2.55192c(86111324)	2.54068c(86111324)	2.43150c(86111324)	2.28139c(86111324)
210.0	2.67017 (86010824)	2.74701 (86010824)	2.61067 (86010824)	2.41986 (86010824)	2.22361 (86010824)
220.0	2.21589 (86010824)	2.77587 (86010824)	3.09666 (86010824)	3.22633 (86010824)	3.22944 (86010824)
230.0	1.60167 (86010824)	1.87556 (86010824)	2.08012 (86010824)	2.18324 (86010824)	2.20358 (86010824)
240.0	1.25919 (86101924)	1.48860 (86101924)	1.79371 (86010924)	2.08930 (86010924)	2.30053 (86010924)
250.0	1.20179 (86091524)	1.67942 (86091524)	1.87662 (86091524)	1.88134 (86091524)	1.79028 (86091524)
260.0	1.07788 (86091724)	1.39164 (86091524)	1.62933 (86091524)	1.68198 (86091524)	1.62511 (86091524)
270.0	1.32759c(86050524)	1.70472c(86050524)	1.99309 (86051524)	2.24714 (86051524)	2.34774 (86051524)
280.0	1.93826c(86050524)	2.30006c(86050524)	2.45572c(86050524)	2.39175c(86050524)	2.23653c(86050524)
290.0	2.11337c(86050524)	2.29389c(86050524)	2.21301c(86050524)	2.11367 (86062324)	2.18223 (86062324)
300.0	2.54591 (86030924)	3.02109 (86030924)	3.26184 (86030924)	3.38533 (86030924)	3.42118 (86030924)
310.0	2.33837 (86030924)	2.84806 (86030924)	3.11303 (86030924)	3.16971 (86030924)	3.03421 (86030924)
320.0	1.56542 (86031324)	1.77839 (86031824)	1.99615 (86081124)	2.02794 (86081124)	1.92931 (86081124)
330.0	3.14276 (86031324)	3.87552 (86031324)	4.19113 (86031324)	4.25330 (86031324)	4.19527 (86031324)
340.0	4.14308 (86031324)	4.63414 (86031324)	4.44094 (86031324)	4.02814 (86031324)	3.56078 (86031324)
350.0	3.59141 (86031324)	3.36135 (86031324)	2.75880 (86031324)	2.58662 (86031224)	2.48582 (86031924)
360.0	2.28470 (86031324)	2.44218 (86031924)	2.38605 (86031924)	2.42947 (86112624)	2.48576 (86112624)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF 111_24 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 400.00	450.00	500.00	550.00	600.00
10.0	2.44221 (86121224)	2.33909 (86121224)	2.22815 (86082024)	2.15692 (86082024)	2.06248 (86082024)
20.0	1.98759 (86011024)	1.97990 (86011024)	1.93873 (86011024)	1.87470 (86011024)	1.79643 (86011024)
30.0	2.33449 (86072824)	2.22548 (86072824)	2.08917 (86072824)	1.94878 (86072824)	1.81117 (86072824)
40.0	1.85851 (86072824)	1.63789 (86072824)	1.43831 (86072824)	1.29751 (86021024)	1.29109 (86021024)
50.0	1.76618 (86073024)	1.59726 (86073024)	1.44548 (86073024)	1.36916 (86112024)	1.32405 (86112024)
60.0	2.31634 (86011924)	2.13148 (86011924)	1.94951 (86011924)	1.78148 (86011924)	1.63026 (86011924)
70.0	1.97285 (86011924)	1.84546 (86011924)	1.72377 (86011924)	1.64129c(86081824)	1.59812c(86081824)
80.0	1.77235c(86041624)	1.59372c(86041624)	1.43263c(86041624)	1.30496c(86041624)	1.19970c(86041624)
90.0	2.01857c(86041624)	1.88553c(86041624)	1.76538c(86041624)	1.65898c(86041624)	1.56044c(86041624)
100.0	1.69505 (86012724)	1.52893 (86012724)	1.38170 (86012724)	1.25717 (86042224)	1.15129 (86042224)
110.0	2.82489 (86042924)	2.61334 (86042924)	2.39390 (86042924)	2.18553 (86042924)	1.99733 (86042924)
.0	2.30129c(86012824)	2.09243c(86012824)	1.88341c(86012824)	1.69081c(86012824)	1.57620 (86022024)
130.0	2.24932c(86012824)	2.12920c(86012824)	1.99189c(86012824)	1.84643c(86012824)	1.69805c(86012824)
140.0	2.10505 (86032124)	1.96743 (86032124)	1.82984 (86032124)	1.69747 (86032124)	1.57288 (86032124)
150.0	2.50604 (86101624)	2.28115 (86101624)	2.03802 (86101624)	1.80867 (86032124)	1.69733 (86032124)
160.0	2.97201 (86101624)	3.05711 (86101624)	3.07672 (86101624)	3.04887 (86101624)	2.98699 (86101624)
170.0	3.09605 (86120524)	3.08585 (86120524)	3.00447 (86120524)	2.87904 (86120524)	2.72965 (86120524)
180.0	2.39266 (86120524)	2.50634 (86120524)	2.55777 (86120524)	2.55863 (86120524)	2.52190 (86120524)
190.0	1.68833c(86111324)	1.50358c(86111324)	1.48951 (86120624)	1.49039 (86120624)	1.48001 (86120624)
200.0	2.11970c(86111324)	1.95985c(86111324)	1.80889c(86111324)	1.66938c(86111324)	1.68590 (86102824)
210.0	2.03818 (86010824)	1.86790 (86010824)	1.73378 (86101924)	1.63377 (86101924)	1.53436 (86101924)
220.0	3.15518 (86010824)	3.03493 (86010824)	2.88962 (86010824)	2.73306 (86010824)	2.57416 (86010824)
230.0	2.16608 (86010824)	2.21393 (86010924)	2.24619 (86010924)	2.24152 (86010924)	2.20876 (86010924)
240.0	2.43204 (86010924)	2.49446 (86010924)	2.50243 (86010924)	2.47033 (86010924)	2.41039 (86010924)
250.0	1.76435 (86010924)	1.73055 (86010924)	1.66350 (86010924)	1.57775 (86010924)	1.56005 (86092024)
260.0	1.51687 (86091524)	1.41638 (86032624)	1.39023 (86032624)	1.34220 (86032624)	1.28185 (86032624)
270.0	2.33503 (86051524)	2.25643 (86051524)	2.14371 (86051524)	2.01638 (86051524)	1.88592 (86051524)
280.0	2.12223 (86040424)	2.08910 (86040424)	2.03505 (86040424)	1.96469 (86040424)	1.88400 (86040424)
290.0	2.15140 (86062324)	2.06898 (86062324)	1.96256 (86062324)	1.84819 (86062324)	1.73497 (86062324)
300.0	3.38749 (86030924)	3.30168 (86030924)	3.17728 (86030924)	3.02708 (86030924)	2.86223 (86030924)
310.0	2.78282 (86030924)	2.78215 (86122324)	2.74650 (86122324)	2.66640 (86122324)	2.55882 (86122324)
320.0	1.77624 (86081124)	1.61820 (86031324)	1.52891 (86031324)	1.44190 (86031324)	1.35709 (86031324)
330.0	4.05781 (86031324)	3.87541 (86031324)	3.67270 (86031324)	3.46438 (86031324)	3.25885 (86031324)
340.0	3.10600 (86031324)	2.70228 (86031324)	2.38770 (86031224)	2.21600 (86031224)	2.04092 (86031224)
350.0	2.36295 (86031924)	2.22718 (86031924)	2.09020 (86031924)	1.95829 (86031924)	1.83451 (86031924)
360.0	2.42765 (86112624)	2.35636c(86121124)	2.27984c(86121124)	2.19337c(86121124)	2.26538 (86082024)

** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF 111_24 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 650.00	700.00	750.00	800.00	850.00
10.0	1.95602 (86082024)	1.84512 (86082024)	1.73477 (86082024)	1.70018 (86072324)	1.70306 (86072324)
20.0	1.71043 (86011024)	1.62138 (86011024)	1.53247 (86011024)	1.44649 (86011024)	1.39709 (86072324)
30.0	1.68110 (86072824)	1.56051 (86072824)	1.44981 (86072824)	1.34967 (86072824)	1.29004 (86071024)
40.0	1.27276 (86021024)	1.24523 (86021024)	1.21098 (86021024)	1.17266 (86021024)	1.13150 (86021024)
50.0	1.27809 (86112024)	1.23249 (86112024)	1.18750 (86112024)	1.17499 (86122024)	1.15854 (86122024)
60.0	1.49549 (86011924)	1.37571 (86011924)	1.26916 (86011924)	1.17691 (86011924)	1.09940 (86011924)
70.0	1.54646c(86081824)	1.49051c(86081824)	1.43274c(86081824)	1.37461c(86081824)	1.31707c(86081824)
80.0	1.11134 (86021924)	1.06079 (86021924)	1.00667 (86021924)	0.95376 (86021924)	0.90210 (86021924)
90.0	1.46615c(86041624)	1.37673c(86041624)	1.31284c(86071924)	1.30734c(86071924)	1.30302c(86071924)
100.0	1.05691 (86012724)	0.98013 (86012724)	0.91490 (86012724)	0.86394 (86012724)	0.86607c(86090624)
110.0	1.83194 (86042924)	1.68911 (86042924)	1.55885 (86042924)	1.45175 (86042924)	1.36216 (86042924)
120.0	1.54231 (86022024)	1.50019 (86022024)	1.45254 (86022024)	1.40137 (86022024)	1.34820 (86022024)
130.0	1.56210c(86012824)	1.43648c(86012824)	1.32179c(86012824)	1.27595 (86102624)	1.29550 (86102624)
140.0	1.50806 (86122924)	1.48166 (86122924)	1.44501 (86122924)	1.40163 (86122924)	1.35415 (86122924)
150.0	1.58982 (86032124)	1.48771 (86032124)	1.39234 (86032124)	1.30351 (86032124)	1.22058 (86032124)
160.0	2.90171 (86101624)	2.80129 (86101624)	2.69197 (86101624)	2.57837 (86101624)	2.46376 (86101624)
170.0	2.57006 (86120524)	2.40921 (86120524)	2.25355 (86120524)	2.10480 (86120524)	1.96490 (86120524)
180.0	2.45900 (86120524)	2.37905 (86120524)	2.29212 (86120524)	2.19905 (86120524)	2.10437 (86120524)
190.0	1.45885 (86120624)	1.43011 (86120624)	1.39473 (86120624)	1.35392 (86120624)	1.31331 (86120624)
200.0	1.69330 (86102824)	1.68929 (86102824)	1.67587 (86102824)	1.65482 (86102824)	1.62768 (86102824)
210.0	1.43856 (86101924)	1.34793 (86101924)	1.26379 (86101924)	1.18529 (86101924)	1.11469 (86101924)
220.0	2.41841 (86010824)	2.26958 (86010824)	2.13173 (86010824)	2.00466 (86010824)	1.89248 (86010824)
230.0	2.15580 (86010924)	2.08911 (86010924)	2.01427 (86010924)	1.93574 (86010924)	1.85559 (86010924)
240.0	2.33224 (86010924)	2.24311 (86010924)	2.15004 (86010924)	2.05576 (86010924)	1.96264 (86010924)
250.0	1.56293 (86092024)	1.55273 (86092024)	1.53209 (86092024)	1.50323 (86092024)	1.46904 (86092024)
260.0	1.21564 (86032624)	1.19881 (86110924)	1.19710 (86110924)	1.18829 (86110924)	1.17415 (86110924)
270.0	1.75881 (86051524)	1.63838 (86051524)	1.52800 (86051524)	1.42817 (86051524)	1.33458 (86051524)
280.0	1.79732 (86040424)	1.70796 (86040424)	1.61849 (86040424)	1.53173 (86040424)	1.48782 (86052724)
290.0	1.62738 (86062324)	1.56232 (86110824)	1.50046 (86110824)	1.43646 (86110824)	1.37221 (86110824)
300.0	2.69159 (86030924)	2.52163 (86030924)	2.35671 (86030924)	2.20131 (86030924)	2.06239 (86030924)
310.0	2.43589 (86122324)	2.30602 (86122324)	2.17489 (86122324)	2.04663 (86122324)	1.92344 (86122324)
320.0	1.27360 (86031324)	1.19603 (86031324)	1.12336 (86031324)	1.05746 (86031324)	1.00611 (86031324)
330.0	3.06088 (86031324)	2.87307 (86031324)	2.69668 (86031324)	2.53590 (86031324)	2.40250 (86031324)
340.0	1.87187 (86031224)	1.73125c(86102524)	1.67852c(86102524)	1.61844c(86102524)	1.55478c(86102524)
350.0	1.76303 (86113024)	1.72343 (86113024)	1.66917 (86113024)	1.60928 (86113024)	1.54212 (86113024)
360.0	2.30125 (86082024)	2.30068 (86082024)	2.27266 (86082024)	2.22484 (86082024)	2.16356 (86082024)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** NETWORK ID: POLAR_1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF 111_24 IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	DISTANCE (METERS) 900.00	950.00	1000.00
10.0	1.69539 (86072324)	1.67435 (86072324)	1.64886 (86072324)
20.0	1.37380 (86072324)	1.34857 (86072324)	1.32257 (86072324)
30.0	1.27643 (86071024)	1.26230 (86071024)	1.24752 (86071024)
40.0	1.09185 (86021024)	1.05399 (86021024)	1.01057 (86021024)
50.0	1.13690 (86122024)	1.11145 (86122024)	1.08595 (86122024)
60.0	1.02779 (86011924)	0.96545 (86011924)	0.95180 (86121824)
70.0	1.26073c(86081824)	1.20599c(86081824)	1.15312c(86081824)
80.0	0.85063 (86021924)	0.80184 (86021924)	0.75649 (86021924)
90.0	1.29894c(86071924)	1.29433c(86071924)	1.28869c(86071924)
100.0	0.86762c(86090624)	0.86521c(86090624)	0.85984c(86090624)
110.0	1.28778 (86042924)	1.22409 (86042924)	1.16889 (86042924)
120.0	1.29420 (86022024)	1.25953 (86011324)	1.22296 (86011324)
130.0	1.30618 (86102624)	1.30909 (86102624)	1.30329 (86102624)
140.0	1.30452 (86122924)	1.25160 (86122924)	1.20560 (86122924)
150.0	1.14748 (86032124)	1.08392 (86032124)	1.01875 (86032124)
160.0	2.35046 (86101624)	2.23715 (86101624)	2.13097 (86101624)
170.0	1.83710 (86120524)	1.72330 (86120524)	1.61344 (86120524)
180.0	2.01284 (86120524)	1.92280 (86120524)	1.83395 (86120524)
190.0	1.26874 (86120624)	1.22380 (86120624)	1.17754 (86120624)
200.0	1.59641 (86102824)	1.56109 (86102824)	1.51827 (86102824)
210.0	1.10809c(86103024)	1.09834c(86103024)	1.07951c(86103024)
220.0	1.78996 (86010824)	1.68673 (86010824)	1.59257 (86010824)
230.0	1.77682 (86010924)	1.69819 (86010924)	1.62005 (86010924)
240.0	1.87361 (86010924)	1.78414 (86010924)	1.72064 (86102924)
250.0	1.43189 (86092024)	1.38981 (86092024)	1.34383 (86092024)
260.0	1.15604 (86110924)	1.13480 (86110924)	1.10997 (86110924)
270.0	1.24940 (86051524)	1.17332 (86051524)	1.10535 (86051524)
280.0	1.47973 (86052724)	1.46447 (86052724)	1.44295 (86052724)
290.0	1.31068 (86110824)	1.25099 (86110824)	1.19413 (86110824)
300.0	1.93605 (86030924)	1.81272 (86030924)	1.69824 (86030924)
310.0	1.80969 (86122324)	1.70641 (86122324)	1.60725 (86122324)
320.0	0.95844 (86031924)	0.92316 (86031924)	0.89369 (86031924)
330.0	2.27682 (86031324)	2.15372 (86031324)	2.03795 (86031324)
340.0	1.49483c(86102524)	1.42755c(86102524)	1.36221c(86102524)
350.0	1.46921 (86113024)	1.40004 (86113024)	1.33517 (86113024)
360.0	2.09467 (86082024)	2.02028 (86082024)	1.94383 (86082024)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF 111_24 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
0.00	0.00	1.99258	(86010824)	15.24	0.00	2.15413	(86010824)
30.48	0.00	2.32675	(86010824)	45.72	0.00	2.40461	(86010824)
60.96	0.00	2.13492	(86010824)	76.20	0.00	1.89972c	(86111324)
91.44	0.00	1.50821c	(86111324)	106.68	0.00	1.67051c	(86111324)
121.92	0.00	1.62659	(86032224)	137.16	0.00	2.59325	(86032224)
152.40	0.00	1.73638	(86011124)	167.64	0.00	1.97834	(86011124)
182.88	0.00	2.87045	(86011124)	198.12	0.00	2.07031	(86011124)
213.36	0.00	1.98018	(86011124)	213.36	15.24	1.61624	(86011124)
213.36	30.48	1.30226c	(86012824)	213.36	45.72	1.20288	(86012724)
213.36	60.96	1.72729	(86012724)	213.36	76.20	1.93817	(86012724)
213.36	91.44	1.58525	(86012724)	213.36	106.68	1.20454	(86012724)
213.36	121.92	1.31849	(86012724)	213.36	137.16	1.26639	(86012724)
213.36	152.40	1.17060	(86012724)	213.36	167.64	1.46416	(86022724)
213.36	182.88	1.55441	(86022724)	213.36	198.12	1.68183	(86022724)
213.36	213.36	1.80576	(86022724)	213.36	220.98	1.91804	(86022724)
198.12	220.98	1.84639	(86022724)	182.88	220.98	1.69818	(86072924)
167.64	220.98	1.73657	(86072924)	152.40	220.98	1.95808c	(86121124)
137.16	220.98	1.43279	(86031924)	121.92	220.98	1.75384	(86031324)
106.68	220.98	2.30715	(86031324)	91.44	220.98	2.72960	(86031324)
76.20	220.98	3.56211	(86031324)	60.96	220.98	3.15382	(86031324)
45.72	220.98	2.77444	(86031324)	30.48	220.98	2.22922	(86031324)
15.24	220.98	1.56888	(86031324)	0.00	220.98	1.89035	(86030924)
0.00	213.36	2.01024	(86030924)	0.00	198.12	2.22631	(86030924)
0.00	182.88	2.30849	(86030924)	0.00	167.64	2.00929	(86030924)
0.00	152.40	1.65843c	(86050524)	0.00	137.16	1.61673c	(86050524)
0.00	121.92	1.36262c	(86050524)	0.00	106.68	0.83043c	(86050524)
0.00	91.44	0.85681	(86101924)	0.00	76.20	0.93862	(86101924)
0.00	60.96	1.02443	(86032524)	0.00	45.72	1.15887	(86010824)
0.00	30.48	1.38170	(86010824)	0.00	15.24	1.64934	(86010824)

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): EXFAN_3 , EXFAN_4 , EXFAN_5 , EXFAN_6 , EXFAN_7 , EXFAN_8 , EXFAN_9 , EXFAN_10, EXFAN_11, EXFAN_12, EXFAN_13, EXFAN_14, EXFAN_15, EXFAN_16, EXFAN_17, EXFAN_18, EXFAN_19,

** CONC OF 111_24 IN MICROGRAMS/M**3 **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR)		OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR)		OF TYPE
1.	4.63414	(86031324) AT (	38.28,	298.58)	GP	26.	3.21906	(86011124) AT (	231.68,	-105.87)	GP
2.	4.44094	(86031324) AT (	21.17,	345.56)	GP	27.	3.17728	(86030924) AT (	-326.33,	360.64)	GP
3.	4.25330	(86031324) AT (	-43.32,	370.45)	GP	28.	3.16971	(86030924) AT (	-123.13,	303.48)	GP
4.	4.19527	(86031324) AT (	-68.32,	413.75)	GP	29.	3.15518	(86010824) AT (	-150.44,	-195.78)	GP
5.	4.19113	(86031324) AT (	-18.32,	327.15)	GP	30.	3.15382	(86031324) AT (	60.96,	220.98)	DC
6.	4.14308	(86031324) AT (	55.38,	251.59)	GP	31.	3.14276	(86031324) AT (	31.68,	240.54)	GP
7.	4.05781	(86031324) AT (	-93.32,	457.05)	GP	32.	3.11303	(86030924) AT (	-84.83,	271.34)	GP
8.	4.02814	(86031324) AT (	4.07,	392.55)	GP	33.	3.10600	(86031324) AT (	-30.13,	486.52)	GP
9.	3.87552	(86031324) AT (	6.68,	283.85)	GP	34.	3.09666	(86010824) AT (	-54.02,	-80.87)	GP
10.	3.87541	(86031324) AT (	-118.32,	500.35)	GP	35.	3.09605	(86120524) AT (	176.14,	-283.28)	GP
11.	3.67270	(86031324) AT (	-143.32,	543.65)	GP	36.	3.08585	(86120524) AT (	184.82,	-332.52)	GP
12.	3.59141	(86031324) AT (	80.63,	258.36)	GP	37.	3.07672	(86101624) AT (	277.69,	-359.21)	GP
13.	3.56211	(86031324) AT (	76.20,	220.98)	DC	38.	3.06088	(86031324) AT (	-218.32,	673.56)	GP
14.	3.56078	(86031324) AT (	-13.03,	439.53)	GP	39.	3.06041c	(86121124) AT (	150.09,	356.84)	GP
15.	3.46438	(86031324) AT (	-168.32,	586.95)	GP	40.	3.05711	(86101624) AT (	260.59,	-312.22)	GP
16.	3.42118	(86030924) AT (	-196.43,	285.64)	GP	41.	3.04887	(86101624) AT (	294.79,	-406.19)	GP
17.	3.41055	(86011124) AT (	206.68,	-62.57)	GP	42.	3.03493	(86010824) AT (	-182.57,	-234.08)	GP
18.	3.38749	(86030924) AT (	-239.73,	310.64)	GP	43.	3.03421	(86030924) AT (	-161.44,	335.62)	GP
19.	3.38533	(86030924) AT (	-153.13,	260.64)	GP	44.	3.02708	(86030924) AT (	-369.63,	385.64)	GP
20.	3.36135	(86031324) AT (	71.95,	307.60)	GP	45.	3.02109	(86030924) AT (	-66.53,	210.64)	GP
21.	3.30168	(86030924) AT (	-283.03,	335.64)	GP	46.	3.01228	(86042924) AT (	388.59,	8.03)	GP
22.	3.26184	(86030924) AT (	-109.83,	235.64)	GP	47.	3.00447	(86120524) AT (	193.50,	-381.76)	GP
23.	3.25885	(86031324) AT (	-193.32,	630.26)	GP	48.	3.00235	(86120524) AT (	167.46,	-234.04)	GP
24.	3.22944	(86010824) AT (	-118.30,	-157.48)	GP	49.	2.98821	(86042924) AT (	435.57,	-9.07)	GP
25.	3.22633	(86010824) AT (	-86.16,	-119.17)	GP	50.	2.98752	(86011124) AT (	181.68,	-19.26)	GP

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

*** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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

** CONC OF 111_24 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL HIGH 1ST HIGH VALUE IS	4.63414	ON 86031324: AT (38.28, 298.58, 0.00, 0.00)		GP	POLAR_1

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

** MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

*** Message Summary For ISC2 Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 522 Informational Message(s)

A Total of 522 Calm Hours Identified

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

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

****
*** ISCST2 Finishes Successfully ***
****