

**Florida Gas Transmission Company**

**Phase IV Expansion Project**

**Compressor Station No. 14**

**APPLICATION  
For  
AIR CONSTRUCTION  
PERMIT**

**Narrative and Attachments A - E**

**November 1999**



## Florida Gas Transmission Company

P.O. Box 945100, Maitland, Florida 32751 (407) 875-5800

December 1, 1999

RECEIVED

DEC 03 1999

BUREAU OF AIR REGULATION

Mr. Alvaro Linero, P.E.  
Dept Environmental Protection  
Air Resources Management  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Reference: Facility: 1130037 - Compressor Station No. 12, Santa Rosa County  
Facility: 0390029 - Compressor Station No. 14, Gadsden County

Dear Mr. Linero:

**Subject: Copies of Applications for Air Construction Permits**

Florida Gas Transmission Company (FGT) has submitted Applications for Air Construction Permits to construct new turbines at the above referenced facilities. These applications were sent to Mr. Ed Middleswart at the FDEP Northwest Office.

As you have discussed with Dr. Duane Pierce, copies of the Applications for the proposed modifications are being sent to you to aid you in coordinating the review of these applications and two additional applications that will be submitted in the near future to the Northeast and Southwest District Offices.

If you have any questions or need additional information, please call me at (407) 838-7119. Please direct technical questions to Dr. Pierce at 713-907-2771 or 281-373-5365. He can also be reached by email at [d.pierce@ix.netcom.com](mailto:d.pierce@ix.netcom.com).

Sincerely,

David H. Parham, P.E.  
Senior Environmental Engineer

CC: Jordan Hunter, FGT  
Clay Roesler, FGT  
V. Duane Pierce, Ph.D., AQMcs, LLC  
Arnold Eisenstein  
Frank Diemont  
Glenn Sellars  
Project file

ENV2231



## Florida Gas Transmission Company

P.O. Box 945100, Maitland, Florida 32751 (407) 875-5800

December 1, 1999

Mr. Ed Middleswart  
Air Administrator  
Northwest District  
Florida Department of Environmental Protection  
160 Governmental Center  
Pensacola, Florida 32501-5794

RECEIVED

DEC 03 1999

BUREAU OF AIR REGULATION

Reference: Facility: 0390029  
Compressor Station No. 14, Gadsden County

Dear Mr. Middleswart:

**Subject: Application for Air Construction Permit**

Florida Gas Transmission Company (FGT) is proposing to install a new Solar Mars 90 compressor turbine at the above referenced facility. The facility is a major source under New Source Review definitions; however, the proposed modifications do not result in emissions that are significant under Prevention of Significant Deterioration requirements. Therefore, a state only construction permit is required.

Enclosed is an Application for an Air Construction Permit for the proposed modifications. FGT understands that no processing fee is required since this facility is operated under a Part 70 Permit.

If you have any questions or need additional information, please call me at (407) 838-7119.

Sincerely,

David H. Parham, P.E.  
Senior Environmental Engineer

CC: Jordan Hunter, FGT  
Clay Roesler, FGT  
V. Duane Pierce, Ph.D., AQMcs, LLC  
Paul Pelletier, Compressor Station No. 14  
Arnold Eisenstein  
Frank Diemont  
Glenn Sellars  
Alvaro Linero, FDEP – Tallahassee  
Project file

ENV2230

**Florida Gas Transmission Company**

**Phase IV Expansion Project**

**Compressor Station No. 14**

**APPLICATION  
For  
AIR CONSTRUCTION  
PERMIT**

**Volume I**

**Narrative and Attachments A -D**

**November 1999**

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## 1.0 INTRODUCTION

Florida Gas Transmission Company (FGT), a Delaware Corporation and ENRON/SONAT affiliate of Houston, Texas, is proposing to expand its existing natural gas pipeline facility near Quincy in Gadsden County, Florida (Compressor Station No. 14). This proposed modification is part of FGT's Phase IV Expansion Project, aimed at increasing the supply capacity of FGT's network servicing domestic, commercial, and industrial customers in Florida. The scope of work for the Phase IV Expansion Project includes expansion through the addition of state-of-the-art compressor engines at four existing compressor stations and the development of one new compressor station. The basic project components include:

- Mainline loops, additions, and replacements;
- Lateral loops and additions;
- Meter station additions, modifications, and expansions;
- Regulator additions, modifications, and expansions; and
- Compressor station additions and modifications.

Compressor Station No. 14 is located in Gadsden County, Florida, approximately 11 miles southwest of Quincy on Highway 65. Figure 1-1 shows the location of the existing compressor station.

The proposed expansion at this location consists of the addition of one 10,350 brake horsepower (bhp), natural-gas-fired, turbine compressor engine and the replacement of two existing 200 bhp gas fired emergency generators with a single 637 bhp natural gas fired emergency generator. The proposed compressor engine will be used solely for transporting natural gas by pipeline for distribution to markets in Florida. The proposed engine is a Solar Mars 90-T13002S equipped with dry low NO<sub>x</sub> (oxides of nitrogen) combustion and derated to 10,350 bhp. Under current federal and state air quality regulations, the proposed modification will constitute a minor modification at an existing major stationary source. Based on the projected annual emission rates, there will be no PSD significant increase in any emissions.

Engineering designs for the proposed expansion project include selection of an engine incorporating dry low NO<sub>x</sub> combustion technology. Dry low NO<sub>x</sub> technology for control of NO<sub>x</sub> emissions would represent Best Available Control Technology (BACT) for the proposed turbine engine under PSD requirements.

This application contains four additional sections. Descriptions of the existing operation at FGT's Compressor Station No. 14 and the proposed 10,350 bhp engine addition and the





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emergency generator replacement are presented in Section 2.0. The air quality review requirements and applicability of state and federal regulations are discussed in Section 3.0. The methodology and results of the air dispersion modeling and air quality impact analysis are presented in Section 4.0. References are included in Section 5.0.

FDEP permit application forms are presented in Attachment A. Attachment B contains a plot plan of the facility. Attachment C contains vendor information, Attachment D contains emission calculations and Attachment E contains the output from the air dispersion modeling.

## 2.0 PROJECT DESCRIPTION

A plot plan of FGT's Compressor Station No. 14, showing the location of the plant boundaries, the existing emission sources, and the location of the proposed engine addition, is presented in Attachment B. The following sections provide a description of the existing operations at this location, as well as a description of the proposed project.

### 2.1 Existing Operations

FGT's existing Compressor Station No. 14 consists of five 2,000 bhp and one 2,700 bhp natural-gas-fired reciprocating internal combustion (IC) engines. Table 2-1 summarizes engine manufacturer, model, and the date of installation for each of the existing engines. The original installation was made in 1958 (Compressor Engines 1401 through 1403). Other engines were added in 1966 and 1968 (Compressor Engines 1404 and 1405). These engines were installed before the CAA Amendments of 1977. An addition referred to as Phase II was constructed in 1991 (Compressor Engine 1406) and was subject to PSD review. These existing engines are not being modified as part of this expansion project.

The existing facility also has supporting equipment including lube oil storage tanks, air compressors and emergency generators.

### 2.2 Proposed Compressor Station Addition

FGT proposes to increase the horsepower capacity of Compressor Station No. 14, as part of the Phase IV Expansion Project. This will be achieved by adding one new gas turbine driven natural gas compressor (Compressor Engine 1407). The proposed new engine will be used to increase the volumetric delivery capacity by driving a gas compressor that is a part of a gas transmission line that transports natural gas from source wells in Texas and Louisiana for delivery throughout Florida. Without the proposed engine, it would not be possible to increase the volumetric delivery capacity necessary to meet both short and long-term demands for natural gas in Florida.

#### 2.2.1 Compressor Engine Addition

FGT proposes to install one natural gas-fired turbine engine compressor unit and associated support equipment at Compressor Station No. 14. The turbine engine will be a Solar Mars 90-T13002S engine compressor unit rated at 10,350 bhp. Fuel will be exclusively natural gas from the FGT's natural gas pipeline. Engine specifications and stack parameters for the proposed engine are presented in Table 2-2.

Table 2-1 Summary of Existing Compressor Engines

Engine #	Date of Installation	Type	Manufacturer	Model #	Brake Horse Power (bhp)
1401	1958	Reciprocating	Worthington	SEHG-8	2000
1402	1958	Reciprocating	Worthington	SEHG-8	2000
1403	1958	Reciprocating	Worthington	SEHG-8	2000
1404	1966	Reciprocating	Worthington	SEHG-8	2000
1405	1968	Reciprocating	Worthington	SEHG-8	2000
1406	1991	Reciprocating	Cooper - Bessemer	GMVR-12C2	2700

**Table 2-2 Proposed Compressor Engine Specifications and Stack Parameters**

Parameter	Design
Compressor Engine	1407
Type	Gas Turbine
Manufacturer	Solar
Model	Mars 90-T13002S
Unit Size	10,350 bhp
Specific Heat Input	8,558 Btu/hp-hr
Maximum Fuel Consumption <sup>a</sup>	0.0852 MMscf/hr
Speed	10,800 rpm
Stack Parameters	
Stack Height	58 ft
Stack Diameter	7.5 ft x 8 ft (rectangular)
Stack Effective Diameter (D <sub>e</sub> )	
Exhaust Gas Flow	163,484 acfm
Exhaust Temperature	833 °F
Exhaust Gas Velocity	45.42 ft/sec
<p>NOTE:</p> <p>acfm = actual cubic feet per minute.</p> <p>bhp = brake horsepower.</p> <p>Btu/bhp-hr = British thermal units per brake horsepower per hour.</p> <p>°F = degrees Fahrenheit.</p> <p>ft = feet.</p> <p>ft/sec = feet per second.</p> <p>MMscf/hr = million standard cubic feet per hour</p> <p>rpm = revolutions per minute.</p> <p><sup>a</sup> Based on heating value for natural gas of 1040 British thermal units per standard cubic foot (Btu/scf).</p>	

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Hourly and annual emissions of regulated pollutants from the proposed engine under normal operating conditions are presented in Table 2-3. Emissions of oxides of nitrogen (NO<sub>x</sub>, carbon monoxide (CO) and non-methane hydrocarbons (NMHC) are based on the engine manufacturer's supplied data (See Attachment C).

Typically, turbine vendors do not provide information on particulate matter (PM) or sulfur dioxide (SO<sub>2</sub>) emissions; therefore, particulate matter emissions are based upon USEPA publication AP-42 Table 1.4-2 (USEPA, 1995) and emissions of SO<sub>2</sub> are based on FGT's Federal Energy Regulatory Commission (FERC) certificate limit of 10 grains sulfur per 100 cubic feet of natural gas.

## 2.2.2 Support Equipment Additions and Changes

In addition to the compressor engines, some support equipment will be installed at the site. They include:

- A new compressor building
- A new control building
- One new, emergency generator to replace two existing gas-fired generators.

The location of new on-site structures is shown on the facility plot plan contained in Attachment B. The new compressor building, housing the Solar Mars turbine, has approximate dimensions of 40 feet wide by 80 feet long by 32 feet high. The new control building will be located east of the new compressor building. The approximate dimensions of the control building will be 11 feet wide by 40 feet long by 12 feet high. Due to the size of this building and its distance from the new exhaust stack, it will not influence compressor engine emissions.

The new generator will be powered by a natural gas fueled, lean burn Caterpillar Model 3412 rated at 637 bhp. Engine specifications and stack parameters for the proposed engine are presented in Table 2-4 and emissions are presented in Table 2-5.

## 2.2.3 Fugitive Emissions

Potential new emissions from Compressor Station No. 14 also include fugitive emissions from the new valves and flanges that will be in gas service. These fugitive emissions have been estimated using USEPA factors for components in gas service at oil and gas facilities (EPA

**Table 2-3 Emissions from FGT's Proposed Compressor Engine**

Pollutant	Emission Factor	Reference	Compressor Emissions	
			lb/hr	TPY
Nitrogen Oxides	8.80 lb/hr	Manufacturer Data	8.80	38.56
Carbon Monoxide	10.72 lb/hr	Manufacturer Data	10.72	46.95
Volatile Organic Compounds (non methane)	0.307 lb/hr	Manufacturer Data	0.31	1.34
Particulate Matter	5.0 lb/MMscf	AP-42, Table 1.4-2	0.47	2.05
Sulfur Dioxide	10 grains/100 scf	FERC Limit	2.68	11.72

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**Table 2-4 Proposed Emergency Generator Engine Specifications and Stack Parameters**

Parameter	Design
Compressor Engine	1407
Type	Natural Gas, Lean Burn Reciprocating
Manufacturer	Caterpillar
Model	3412
Unit Size	637 bhp
Specific Heat Input	8424 Btu/hp-hr
Speed	1800 rpm
Stack Parameters	
Stack Height	20 ft
Stack Diameter	0.67 ft
Exhaust Gas Flow	3,062 acfm
Exhaust Temperature	700 °F
Exhaust Gas Velocity	149.19 ft/sec
<p>NOTE:</p> <p>acfm = actual cubic feet per minute.</p> <p>bhp = brake horsepower.</p> <p>Btu/bhp-hr = British thermal units per brake horsepower per hour.</p> <p>°F = degrees Fahrenheit.</p> <p>ft = feet.</p> <p>ft/sec = feet per second.</p> <p>rpm = revolutions per minute.</p>	

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Table 2-5 Emissions from FGT's Proposed Generator Engine

Pollutant	Emission Factor	Reference	Generator Emissions*	
			lb/hr	TPY
Nitrogen Oxides	2 g/hp-hr	Manufacturer Data	2.80	0.70
Carbon Monoxide	2.25 lb/hr	Manufacturer Data	2.25	0.56
Volatile Organic Compounds (non methane)	0.93 lb/hr	Manufacturer Data	0.93	0.23
Particulate Matter	5.0 lb/MMscf	AP-42, Table 1.4-2	0.15	0.04
Sulfur Dioxide	10 grains/100 scf	FERC Limit	0.03	0.01

\* based on 500 hours of operation per year



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publication EPA-453/R-95-017, November 1995, "Protocol for Equipment Leak Emission Estimates"). Table 2-6 lists the quantities of existing and new components to be added as part of the Phase IV Expansion Project and an estimate of the fugitive emissions from these sources.

## 2.2.4 Emissions Summary

The total changes in emissions resulting from the project are listed on Table 2-7. As can be seen from the table, the emission increases are not significant under PSD. The calculations used to estimate these emissions are presented in Attachment D.

Table 2-6 VOC Fugitive Emission Calculations and Summary

CURRENT					
Component	Service	Component Count	Emissions * Factor (ton/yr)	NM/NE Fraction	Emissions (ton/yr)
Valves	Gas	376	0.0434606	0.05	0.82
Flanges	Gas	497	0.0037666	0.05	0.09
Open-Ended Line	Gas	14	0.0193158	0.05	0.01
Pumps	Gas	0	0.023179	0.05	0.00
Other	Gas	8	0.0849895	0.05	0.03
<b>TOTAL</b>					<b>0.96</b>

PROJECT ADDED					
Component	Service	Component Count	Emissions * Factor (ton/yr)	NM/NE Fraction	Emissions (ton/yr)
Valves	Gas	77	0.0434606	0.05	0.17
Flanges	Gas	131	0.0037666	0.05	0.02
Open-Ended Line	Gas	0	0.0193158	0.05	0.00
Pumps	Gas	0	0.023179	0.05	0.00
Other	Gas	0	0.0849895	0.05	0.00
<b>TOTAL:</b>					<b>0.19</b>

FUTURE TOTAL					
Component	Service	Component Count	Emissions * Factor (ton/yr)	NM/NE Fraction	Emissions (ton/yr)
Valves	Gas	453	0.0434606	0.05	0.98
Flanges	Gas	628	0.0037666	0.05	0.12
Open-Ended Line	Gas	14	0.0193158	0.05	0.01
Pumps	Gas	0	0.023179	0.05	0.00
Other	Gas	8	0.0849895	0.05	0.03
<b>TOTAL:</b>					<b>1.15</b>

\*EPA publication EPA-453/R-95-017, November 1995, "Protocol for Equipment Leak Emission Estimates"

Table 2-7 Potential Annual Emissions (tpy) Summary

SOURCE ID	DESCRIPTION	NO <sub>x</sub>	CO	VOC <sup>a</sup>	SO <sub>2</sub>	PM
<b>EXISTING FACILITY</b>						
1401	2000 bhp Recip. Engine	212.5	27.0	8.5	1.8	0.3
1402	2000 bhp Recip. Engine	212.5	27.0	8.5	1.8	0.3
1403	2000 bhp Recip. Engine	212.5	27.0	8.5	1.8	0.3
1404	2000 bhp Recip. Engine	212.5	27.0	8.5	1.8	0.3
1405	2000 bhp Recip. Engine	212.5	27.0	8.5	1.8	0.3
1406	2700 bhp Recip. Engine	46.3	48.7	11.6	2.0	0.4
GEN01	235 bhp Recip. Engine <sup>b</sup>	0.50	0.05	0.02	0.0	0.0
GEN02	200 bhp Recip. Engine <sup>b</sup>	0.20	0.02	0.01	0.0	0.0
	OTHER SOURCES: <sup>c</sup>	0.0	0.0	3.3	0.0	0.0
<b>EXISTING TOTALS:</b>		<b>1109.5</b>	<b>183.77</b>	<b>57.43</b>	<b>11</b>	<b>1.9</b>
<b>PROJECT ADDED</b>						
1407	10,350 bhp Turbine Engine	35.6	47.0	1.3	2.1	11.7
GEN03	637 bhp Recip. Engine	0.7	0.6	0.2	0.04	0.01
	FUGITIVE			0.19		
<b>PROJECT ADDED TOTALS:</b>		<b>36.3</b>	<b>47.6</b>	<b>1.69</b>	<b>2.14</b>	<b>11.71</b>
<b>PROJECT DELETED</b>						
GEN01	235 bhp Recip. Engine <sup>b</sup>	-0.50	-0.05	-0.01	0.0	0.0
GEN02	200 bhp Recip. Engine <sup>b</sup>	-0.20	-0.02	-0.01	0.0	0.0
<b>PROJECT DELETED TOTALS:</b>		<b>-0.7</b>	<b>-0.07</b>	<b>-0.02</b>	<b>0.0</b>	<b>0.0</b>
<b>POST-PROJECT POTENTIAL TOTALS<sup>e</sup></b>		<b>1145.8</b>	<b>231.37</b>	<b>59.12</b>	<b>13.14</b>	<b>13.61</b>

(a) VOC = NM/NE HC

(b) Based on actual emissions from 1997 through 1998

(c) Other Sources Includes: Ancillary equipment, storage tanks and equipment leaks

(d) POST PROJECT STATION TOTAL = EXISTING + PROJECT ADDED – PROJECT DELETED

## 3.0 REGULATORY ANALYSIS

This section presents a review of federal and Florida State air quality regulations, which govern the operations and proposed modifications to be conducted at Compressor Station No. 14.

### 3.1 Federal Regulations Review

The federal regulatory programs administered by the USEPA have been developed under the authority of the Clean Air Act. The following subsections review the essential elements of the federal regulatory program and the impact they have on the operations and proposed modifications at Compressor Station No. 14.

#### 3.1.1 Classification of Ambient Air Quality

The 1970 Amendments to the CAA gave the USEPA specific authority to establish the minimum level of air quality that all states would be required to achieve. These minimum values or standards were developed in order to protect the public health (primary) and welfare (secondary). The federally promulgated standards and additional state standards are presented on Table 3-1.

Areas of the country that have air quality equal to or better than these standards (i.e., ambient concentrations less than a standard) are designated as "Attainment Areas", while those where monitoring indicates air quality is worse than the standards are known as "Non-attainment Areas." The designation of an area has particular importance for a proposed project as it determines the type of permit review to which the application will be subject.

Major new sources or major modifications to existing major sources located in attainment areas are required to obtain a PSD permit before initiation of construction. Similar sources located in areas designated as non-attainment or that adversely impact such areas undergo more stringent Non-attainment New Source Review (NNSR). In either case, it is necessary, as a first step, to determine the air quality classification of a project site.

All areas of all states are classified as either attainment, non-attainment or unclassifiable for each criteria pollutant. The current classification of Gadsden County is listed on Table 3-2 for each criteria pollutant. Gadsden County is designated as unclassifiable or attainment for all criteria pollutants. These designations were obtained from 40 CFR 81.310, as updated in the June 5, 1998 Federal Register (FR31036) and 62-204.340 F.A.C.

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Table 3-1 National and State Ambient Air Quality Standards ( $\mu\text{g}/\text{m}^3$ )

POLLUTANT	AVERAGING PERIOD	EPA STANDARDS		FLORIDA STANDARDS
		PRIMARY	SECONDARY	
PM <sub>10</sub>	24-hour <sup>1</sup>	150	150	150
	annual <sup>2</sup>	50	50	50
SO <sub>2</sub>	3-hour <sup>1</sup>	---	1,300	1,300
	24-hour <sup>1</sup>	365	---	260
	Annual <sup>2</sup>	80	---	60
CO	1-hour <sup>1</sup>	---	40,000	40,000
	8-hour <sup>1</sup>	10,000	---	10,000
NO <sub>2</sub>	Annual <sup>2</sup>	100	100	100
O <sub>3</sub>	1-hour <sup>3</sup>	235	235	235

1) Not to be exceeded more than once per year.  
 2) Never to be exceeded.  
 3) Not to be exceeded on more than 3 days over 3 years.

Sources: 40 CFR 50; 36FR22384; Chap. 17-2.300.

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The designation of Unclassifiable indicates that there is insufficient monitoring data to prove that the area has attained the federal standards; however, the limited data available indicate that the standard has been achieved. Areas with this classification are treated as attainment areas for permitting purposes.

## 3.1.2 PSD Applicability

The 1977 CAA Amendments added Part C: Prevention of Significant Deterioration to the Act. This part required proposed new major stationary sources or existing sources planning a major modification in an area that has attained the National AAQS, to conduct a preconstruction review that includes a detailed analysis of the impacts from the source's emissions.

Federal air quality permitting regulations for attainment areas are codified in the Code of Federal Regulations (CFR), Title 40- Protection of the Environment, Part 52.21 - Prevention of Significant Deterioration (40 CFR 52.21).

For the PSD regulations to apply to a given project the proposed location must be in a PSD area, i.e., an area that has been classified as attainment or as unclassifiable for a particular pollutant. Gadsden County is designated as attainment area for all criteria pollutants. A project's potential to emit is then reviewed to determine whether it constitutes a major stationary source or major modification to an existing major stationary source.

A major stationary source is defined as either one of the 28 sources identified in 40 CFR 52.21 that has a potential to emit 100 tons or more per year of any regulated pollutant, or any other stationary source that has the potential to emit 250 tons or more per year of a regulated pollutant. "Potential to emit" is determined on an annual basis after the application of air pollution control equipment, or any other federally enforceable restriction.

**Table 3-2 Classification Of Gadsden County For Each Criteria Pollutant**

Carbon Monoxide	Attainment
Oxides of Nitrogen	Attainment
Sulfur Dioxide	Attainment
Particulate Matter (PM <sub>10</sub> )	Unclassifiable
Lead	Unclassifiable
Ozone	Attainment
Source 40 CFR 81.310 1998; 62-204.340 F.A.C.	

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According to the "Draft New Source Review Workshop (NSR) Manual (USEPA, October 1990)," for a modification to be classified as major and therefore, subject to PSD review:

- (1) The modification must occur at an existing major stationary source, and
- (2) The net emissions increase of any pollutant emitted by the source, as a result of modification, is "significant", or
- (3) The modification results in emissions increases, which if considered alone would constitute a major stationary source.

"Significant" emission rates are defined as amounts equal to or greater than the emission rates given in Table 3-3.

By these definitions, and based on the emissions presented in Section 2.0, the action proposed for Compressor Station No. 14 is a minor modification of an existing major stationary source. Since Compressor Station No. 14 is not one of the 28 named source categories, but does emit >250 TPY of at least one regulated pollutant, it is considered a major source. The increase in emissions resulting from the proposed action will not exceed the PSD significant rate; therefore, the compressor station is not subject to PSD pre-construction review.

**Table 3-3 Applicability of PSD Significant Emission Rates**

Pollutant	Emission Rate Tons/Year
Carbon Monoxide	100
Nitrogen Oxides	40
Sulfur Dioxide	40
Particulate Matter (PM/PM <sub>10</sub> )	25/15
Ozone (VOC)	40
Lead	0.6
Fluorides	3
Reduced Sulfur including Hydrogen Sulfide	10
Total Reduced Sulfur including Hydrogen Sulfide	10
Sulfuric Acid Mist	7
Lead	0.6
Mercury	0.1
VOC = Volatile Organic Compounds Sources: 40 CFR 52.21(b)(23); Table 212.400-2 62-212 F.A.C.	

### 3.1.3 Non-Attainment New Source Review (NSR) Applicability

Based on the current non-attainment provisions, all new major stationary sources, or major modifications to such sources, located in a non-attainment area must undergo non-attainment New Source Review, if they have the potential to emit above an NSR significant threshold. For major new sources or major modifications in an attainment or unclassifiable area, the non-attainment provisions apply if the source or modification is located within the area of influence of a non-attainment area. The area of influence is defined as an area, which is outside the boundary of a non-attainment area, but within the locus of all points that are 50 kilometers outside the non-attainment area.

Compressor Station No. 14 is located in an area that is designated as either attainment or not classifiable for all criteria pollutants and is not located in an area of influence outside a non-attainment area. Therefore, this compressor station is not subject to federal non-attainment New Source Review.

### 3.1.4 Applicability of New Source Performance Standards (NSPS)

The regulation of new sources through the development of standards applicable to a specific category of sources was a significant step taken by the 1970 CAA Amendments. The Administrator was directed to publish a proposed regulation establishing a Standard of Performance for any category of new sources that cause or contribute significantly to air pollution and which may reasonably be anticipated to endanger public health. All Standards apply to all sources within a given category, regardless of geographic location or ambient air quality at the location.

Performance standards are published in 40 CFR 60. The new turbine to be installed at Compressor Station No. 14 is subject to Subpart GG, Standards of Performance for Stationary Gas Turbines, because it will have a maximum heat input at peak load of >10.7 gigajoules/hour (10 MMBtu/hr) based on the lower heating value of the natural gas fuel. This regulation establishes emission limits for NO<sub>x</sub> and SO<sub>2</sub> and requires performance testing and daily monitoring of fuel nitrogen and sulfur. The applicable emission standards are provided in Table 3-4.

The NO<sub>x</sub> emission limit for Subpart GG is calculated as follows:

$$STD = 0.0150 (14.4/Y) + F$$

$$STD = \text{Allowable NO}_x \text{ emissions}$$



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$Y = \text{Heat rate at peak load not to exceed } 14.4 \text{ KJ/watt-hour}$

$F = \text{NO}_x \text{ emission allowance}$

The fuel bound nitrogen in natural gas is less than 0.015% by weight. Therefore, the value of F as defined in 40 CFR 60.332(3) is equal to zero.

$$\begin{aligned} Y &= \text{Btu/bhp-hr} \times 1.055 \text{ Kj/Btu} \times \text{hp-hr}/745.7 \text{ watt-hour} \\ &= 8,558 \text{ Btu/bhp-hr} \times 1.055 \text{ Kj/Btu} \times \text{hp-hr}/745.7 \text{ watt-hour} \\ &= 12.1 \end{aligned}$$

$$\begin{aligned} \text{STD} &= 0.0150 (14.4/12.1) + 0 \\ &= 0.0178 \\ &= 178 \text{ ppm}_v \end{aligned}$$

Table 3-8 summarizes the NSPS applicability for the proposed gas engines.

The turbine at this facility will meet the NSPS for NO<sub>x</sub> of 178 ppmv (i.e., manufacturer's estimation of 25 ppmv), and for SO<sub>2</sub> of 150 ppmv (estimated for this turbine to be 4 ppmv).

### 3.1.2.6 Good Engineering Practice (GEP) Stack Height Analysis

The 1977 CAA Amendments require that the emission limitation required for control of any pollutant not be affected by a stack that exceeds GEP height. Further, no dispersion credit is given during air quality modeling for stacks that exceed GEP. GEP stack height is defined as the highest of:

- 65 meters; or
- a height established by applying the formula

$$\text{HGEP} = H + 1.5 L$$

Where:

- HGEP = GEP Stack Height,
- H = Height of the structure or nearby structure, and
- L = Lesser dimension (height or projected width) of the nearby structure; or

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Table 3-4 Applicability of New Source Performance Standards

NSPS Subpart	NSPS Regulations	Equipment	Fuel	Pollutant	Heat Input Applicability	Equipment Design Maximum*	NSPS Emission Limits	Equipment Emissions
GG	60.332(a)(2)	Engine No. 1407 Gas Turbine	Gas	NO <sub>2</sub>	>10 MM Btu/hr	88.58 MMBtu/hr	178 ppm <sub>v</sub>	25 ppm <sub>v</sub>
GG	60.333(a)	Engine No. 1407 Gas Turbine	Gas	SO <sub>2</sub>	>10 MM Btu/hr	88.58 MMBtu/hr	150 ppm <sub>v</sub>	4 ppm <sub>v</sub>

Design maximum based on vendor data.

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- a height demonstrated by fluid modeling or field study.

A structure or terrain feature is considered nearby if a stack is within a distance of five times the structure's height or maximum projected width. Only the smaller value of the height or projected width is used and the distance to the structure cannot be greater than 0.8 kilometers. Although GEP stack height regulations require that the stack height used in modeling for determining compliance with National AAQS and PSD increments not exceed GEP stack height, the actual stack height may be greater.

The stack height regulations also increase GEP stack height beyond that resulting from the formula in cases where plume impaction occurs. Plume impaction is defined as concentrations measured or modeled to occur when the plume interacts with elevated terrain. Elevated terrain is defined as terrain that exceeds the height calculated by the GEP stack height formula. Because terrain in the vicinity of the project site is generally flat, plume impaction was not considered in determining the GEP stack height.

The proposed stack at Compressor Station No. 14 will be 58 feet (17.68 meters) tall. Based on the proposed building dimensions, the calculated GEP stack height is less than 65 meters; therefore, GEP stack height is 65 meters. Since the stack is less than GEP stack height, it complies with the regulatory requirement.

## **3.2 Florida State Air Quality Regulations**

Compressor Station No. 14 is currently operating under Permit No. 0390029-001-AV and is subject to the provisions of that permit. Rule 62, F.A.C., contains the air quality rules and regulations for the State of Florida. The primary federal regulations that affect Compressor Station No. 14 have been incorporated into or are referenced by these rules. The significant state regulations that are applicable to the new emission units are briefly listed below.

### **3.2.1 Rule 62-210.300 Permits Required**

FGT is required to obtain a construction permit prior to construction of new emission units. This requirement is being met by the submittal of this application.

### **3.2.2 Rule 62-204.240 Ambient Air Quality Standards**

FGT must not violate any of the ambient air quality standards listed under this rule.

### 3.2.3 Rule 62-296.320(2) Objectionable Odors

This rule prohibits the discharge of pollutants that will cause or contribute to an objectionable odor.

### 3.2.4 Rule 62-296.320(4)(b)1 General Particulate Emission Limiting Standards.

FGT is prohibited from allowing the new compressor engine to discharge into the atmosphere the emissions of air pollutants, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity).

### 3.2.5 Rule 62-210.300(3)(a) Exempt Emissions Units and/or Activities.

The emissions from the emergency generator and the fugitive leak emissions are insignificant sources and are exempt from the permitting requirements of Chapter 62-210 Stationary Sources - General Requirements, 62-213 Operation Permits For Major Sources Of Air Pollution and 62-4 Permits.

## 4.0 AIR QUALITY IMPACT ANALYSIS

The Florida Department of Environmental Regulation (FDEP), Air Quality Division, requires that an ambient air quality impact analysis be performed for a proposed project's emissions. For State Authority to Construct permits, this involves comparison of the proposed project's impacts to the State and National AAQS, discussed in Section 3.0 of this report. The following section outlines the general approach used for this analysis. This approach was developed in consultation with the FDEP and conforms to the recommendations presented in the Guideline on Air Quality Models (USEPA, 1998).

### 4.1 Dispersion Modeling Methodology and Assumptions

This section outlines the approach used in the air dispersion modeling analysis. Model selection, meteorological data used, structure downwash considerations and predicted air quality impacts from modification of the Gadsen County Compressor Station No. 14 are discussed.

#### 4.1.1 General Modeling Methodology

The modeling approach follows USEPA and FDEP guidelines for determining compliance with State and National Ambient Air Quality (AAQS). Air dispersion modeling was used to determine compliance with federal and/or state AAQS.

The following procedure was followed for determining compliance with state and national standards:

- Model predictions for annual average NO<sub>x</sub> concentrations, based on the net emission increases from the project, were obtained using the Industrial Source Complex long-term (ISCLT3) model (version 96113). A brief description of the Industrial Source Complex (ISC3) model is given in Section 4.1.2.
- For comparison to short term AAQS (CO), the ISCST3 model (version 98356) was used.
- For comparison to annual National AAQS, the ISCLT3 was run using each of the latest five years (1988-1992) of available meteorological data processed into the Stability Array (STAR) format. The meteorological data were obtained from the USEPA SCRAM (Support Center for Regulatory Air Models) web site. ISCST3 was run with 1988-1991 meteorological data.

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## 4.1.2 Model Selection

The ISC3 dispersion model was used to evaluate emissions from the proposed facility. The ISC3 model was selected primarily for the following reasons:

- USEPA and FDEP have approved the general use of the model for air quality dispersion analysis because the model assumptions and methods are consistent with those in the Guideline on Air Quality Models (USEPA, 1998);
- the ISC3 model is capable of predicting the impacts from stack, area, volume and open pit sources that are spatially distributed over large areas and located in flat or gently rolling terrain; and
- the results from the ISC3 model are appropriate for addressing compliance with AAQS and PSD increments.

Major features of the ISC3 model are presented in Table 4-1. The model using the steady-state Gaussian plume equation for a continuous source calculates concentrations due to point, area and volume sources.

## 4.1.3 Modeling Options

For modeling analyses that will undergo regulatory review, the following model options are recommended in the USEPA Guideline on Air Quality Models, and are referred to as the regulatory default options in the ISC3 models:

- Final plume rise at all receptor locations,
- Stack-tip downwash,
- Buoyancy-induced dispersion,
- Default wind speed profile coefficients for rural or urban option,
- Default vertical potential temperature gradients, and
- Reducing calculated SO<sub>2</sub> concentrations in urban areas by using a decay half-life of 4.

In this analysis, the USEPA Regulatory Default Options were used to address maximum impacts.

**Table 4-1 Major Features of the ISC3 Model**

- Polar or Cartesian coordinate systems for receptor locations
- Rural or urban option that affect windspeed profile exponent, dispersion rates, and mixing height calculations
- Plume rise as a result of momentum and buoyancy as a function of downwind distance for stack emissions (Briggs)
- Procedures suggested by Huber and Snyder (1976), Huber (1977), Schulman and Hanna (1986), and Schulman and Scire (1980) for evaluating building downwash and wake effects
- Procedures suggested by Briggs for evaluating stack-tip downwash
- Separation of multiple point sources
- Consideration of the effects of gravitational settling and dry deposition on ambient particulate concentrations
- Capability of simulating point, line, volume, and area sources
- Capability to calculate dry deposition
- Variation of windspeed with height (windspeed-profile exponent law)
- Concentration estimates for annual average
- Terrain-adjustment procedures for elevated terrain including a terrain truncation algorithm
- Receptors located above local terrain (i.e., "flagpole" receptors)
- Consideration of time-dependent exponential decay of pollutants
- The method of Pasquill (1976) to account for buoyancy-induced dispersion
- A regulatory default option to set various model options and parameters to EPA recommended values (see text for regulatory options used)

SOURCE: Users Guide for the Industrial Source Complex (ISC3) Dispersion Models, Volume I (EPA 454/B-95-003a, September 1995)

## 4.1.4 Selection of Dispersion Coefficients

The ISC model has rural and urban options that affect the wind speed profile, dispersion rates, and mixing-height formulations used in calculating ground level concentrations. The criteria used to determine when the rural or urban mode is appropriate are based on land use near the proposed plant's surroundings (Auer, 1978). If the land use is classified as heavy industrial, light-moderate industrial, commercial, or compact residential for more than 50 percent of the area within a 3 kilometers radius around the proposed source, the urban option is selected. Otherwise, the rural option is used. Based on a topographical map of the land within a 3-kilometer radius around the site, the rural mode was selected.

## 4.1.5 Meteorological Data

The EPA Guideline on Air Quality Models (USEPA, 1987b) recommends the use of 5 years of representative meteorological data in air quality modeling. The most recent, readily available 5-year period is preferred. The meteorological data may be collected either on-site or at the nearest National Weather Service (NWS) station.

The NWS station in Tallahassee, Florida, located approximately 20 miles south-southeast of the site, is the most representative weather station that routinely records the hourly surface data required by the air dispersion models. Because of the proximity of this NWS station to the site, the meteorological data are considered representative of weather conditions occurring at the Quincy Compressor Station.

Meteorological data used in the ISCLT3 analysis were obtained from the USEPA SCRAM (Support Center for Regulatory Air Models) web site. The data consisted of a 5-year record of surface weather observations (1988-1992) collected at Tallahassee, Florida. The database consists of hourly surface data (i.e., wind speed, wind direction). Upper air mixing heights were obtained from data prepared by Holzworth (USEPA, AP-101, 1972). The five years of surface data were first formatted using the USEPA Met144 program and then processed using the USEPA Stability Array (STAR) program to generate the data required by ISCLT3 model.

Meteorological data used in the ISCST3 analysis were obtained from the USEPA SCRAM (Support Center for Regulatory Air Models) web site. The data consisted of a 5-year record of surface weather observations (1986-1990) collected at Tallahassee, Florida, and upper air data from Apalachicola. The data were processed using the USEPA PCrammet program.



## 4.1.6 Source Data

The model parameters for Compressor Station No. 14 are given in Table 4-2. The location of the proposed stack is shown on the facility plot plan (see Attachment B). The emission point listed on Table 4-2 as source 1407 corresponds to the new compressor turbine engine and source GEN03 refers to the new emergency generator engine. Table 4-3 lists the emission rates modeled for NO<sub>x</sub> and CO. The maximum pound per hour emission rates shown in the table were input to the ISCST model to determine concentrations for short-term averaging periods. Vendor guaranteed emission rates were used to determine NO<sub>x</sub> annual average concentrations.

## 4.1.7 Receptor Grids Modeled

For ISCST3 and ISCLT3, the following grids were used in the modeling analysis:

- A 100-meter spaced, 23 x 23 receptor grid (25 x 25 for CO), centered on the turbine stack (1207), and extending out 1.1 kilometers out in all directions was used to check for "close in" NO<sub>x</sub> and CO maximum values.
- A 500-meter spaced, 23 x 23 receptor grid, centered on the turbine stack (1207), and extending 5.5 kilometers in all directions, was used to identify the maximum NO<sub>x</sub> concentrations, which occurred farther outside the initial 100-m grid.

These grids were used, per guidance from FDEP and the Guideline on Air Quality Models.

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**Table 4-2 Summary of Source Parameters Used in the Modeling Analysis**

ISC3 Model Source Number	Stack Location (True North Plant Coordinates)		Stack Dimensions		Operating Parameters	
	X (m)	Y (m)	Height (m)	Diameter* (m)	Temperature (°K)	Velocity (m/s)
1407	189.36	-305.90	17.68	2.66	718.15	13.84
GEN03	50.98	-206.27	6.10	0.2	644.26	45.49

\* Effective diameter

**Table 4-3 Modeled Emission Rates**

SOURCE NO.	NOX		CO	
	(TONS/YR)	g/sec	(LBS/HR)	g/sec
1207	38.56	1.109	10.72	1.351
GEN03	0.70	0.020	2.25	0.283

## 4.1.8 Building Wake Effects and GEP Considerations

Based on the dimensions of the structures located at the compressor station, all stacks will be less than maximum allowable GEP (Good engineering Practice) height. Due to the location of emission points in relation to buildings and other solid structures, the stack emissions may be affected by building wakes from some of the structures. Therefore, the potential for building downwash must be considered in the modeling analysis.

The procedure used for addressing the effects of building downwash are those recommended in the User's Guide for Industrial Source Complex (ISC3) Models (USEPA, 1992). In the ISC3 model, the building heights and widths are input into the model for each direction. If the Huber Snyder building downwash routine is used, the model picks the worst-case dimension from all values. The effective width used by the program is the diameter of a circle of equal area to the square of the width input to the model.

If the Schulman-Scire wake effects method is used, the user inputs the building height and projected width associated with each wind sector. The actual inputs to the ISC3 model were generated using the USEPA BPIP Program following procedures in the guidance document (EPA-454-R-93-038, 1995). Plant coordinates of all building corners, tier corners, and emission points are input into the downwash program. The program provides direction-specific building dimensions for either the ISC3 long or short-term models, which are then directly input into the ISC3 source file.

A summary of actual building dimensions for structures considered is presented in Table 4-4. Only structures within about 500 feet of the stacks were input into the GEP model, as those at greater distances would have no effect on stack plume emissions.

## 4.2 Dispersion Model Results

Modeling was performed for the increases in net emissions of  $\text{NO}_x$  and CO from Compressor Station No. 14. A summary of the maximum predicted annual  $\text{NO}_x$  and CO off-site concentration, a comparison to the AAQS, and the significance level, is shown in Table 4-5. Table 4-6 provides the maximum concentration for each meteorological data year modeled. The maximum predicted off-site  $\text{NO}_x$  impact was just outside the property line to the south of the compressor station. Most of the impact was from the emergency generator. The maximum 1-hour and 8-hour CO concentrations occurred approximately 0.1 km west of the site.

The output files of the dispersion modeling are included for  $\text{NO}_x$  and CO in Attachment E for receptor grids with spacing of 100-meter and 500-meter. These show maximum impacts in

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µg/m<sup>3</sup> for each modeled receptor and pollutant and show the facility property boundary.

As shown, the maximum predicted, off-site, NO<sub>x</sub> and CO concentrations were much lower than the applicable AAQS and significance levels. The results of this air dispersion modeling show that the proposed modification to the Quincy Compressor Station should have no adverse effects on the surrounding area.

**Table 4-4 Building Dimensions**

Building	Actual Building Dimensions		
	Height ft (m)	Length ft (m)	Width ft (m)
Compressor Building #1	32.4 (9.88)	240.0 (73.17)	50.0 (15.24)
Compressor Building #2	38.0 (11.59)	80.0 (24.39)	40.0 (12.20)
Auxiliary Building	12.0 (3.66)	95.0 (28.96)	21.0 (6.40)

**Table 4-5 Dispersion Modeling Results**

**Maximum Predicted Average Concentration Of Modeled Pollutants And Comparison To Significant Impact Level**

POLLUTANT	AVG TIME	MAX OFF-SITE ( $\mu\text{g}/\text{m}^3$ )	NAAOS ( $\mu\text{g}/\text{m}^3$ )	SIGNIFICANT IMPACT ( $\mu\text{g}/\text{m}^3$ )
<b>NO<sub>x</sub></b>				
SOURCE 1407	Annual	0.29	100	1
<b>CO</b>				
SOURCE 1407	1-hr	182.86	40,000	2,000
	8-hr	63.00	10,000	500

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Table 4-6 Highest Predicted Off Property Impact by Year ( $\mu\text{g}/\text{m}^3$ )

Pollutant	Pollutant Averaging Period	Year of Meteorological Data				
		1988	1989	1990	1991	1992
NO <sub>x</sub>	Annual	0.29	0.20	0.18	0.25	0.16
		<b>1986</b>	<b>1987</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>
CO	1hour*	157.25	175.30	138.73	182.86	144.32
CO	8-hour*	54.40	47.17c	63.00	53.30	43.54

\* First highest

c = calm

## 5.0 REFERENCES

- Auer, A.H. 1978. Correlation of Land Use and Cover With Meteorological Anomalies. *J. Appl. Meteor.*, Vol 17.
- U.S. Environmental Protection Agency (USEPA). 1972. Holzworth, George C., Mixing Heights, wind speeds, and Potential for Urban air Pollution Throughout the Contiguous United States, AP-101
- U.S. Environmental Protection Agency (USEPA). 1980. PSD Workshop Manual. Research Triangle Park, NC.
- U.S. Environmental Protection Agency (USEPA). 1997. Guideline on Air Quality Models, 40 CFR 51 Appendix W.
- U.S. Environmental Protection Agency (USEPA). 1995. Compilation of Air Pollutant Emission Factors, Volume I: Stationary Point and Area Sources (5<sup>th</sup> Ed.) AP-42. Research Triangle Park, NC.
- U.S. Environmental Protection Agency (USEPA). 1995. User's Guide for the Building Profile Input Program, EPA-454/R-93-038.
- U.S. Environmental Protection Agency (USEPA). 1995. User's Guide for the Industrial Source Complex (ISC3) Dispersion Models, Vol. I EPA-454/B-95-003a.

**Attachment A**

**DEP Forms**





**Purpose of Application**

**Air Operation Permit Application**

This Application for Air Permit is submitted to obtain: (Check one)

Initial Title V air operation permit for an existing facility which is classified as a Title V source.

Initial Title V air operation permit for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: \_\_\_\_\_

Title V air operation permit revision to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: \_\_\_\_\_

Operation permit number to be revised: \_\_\_\_\_

Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.)

Operation permit number to be revised/corrected: \_\_\_\_\_

Title V air operation permit revision for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit number to be revised: \_\_\_\_\_

Reason for revision: \_\_\_\_\_

**Air Construction Permit Application**

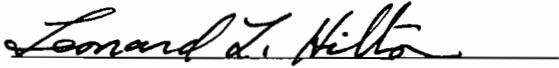

This Application for Air Permit is submitted to obtain: (Check one)

Air construction permit to construct or modify one or more emissions units.

Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

Air construction permit for one or more existing, but unpermitted, emissions units.

**Owner/Authorized Representative or Responsible Official**

1. Name and Title of Owner/Authorized Representative or Responsible Official: Leonard L. Hilton, Vice President, Operations
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: Florida Gas Transmission Company Street Address: 1400 Smith Street City: Houston State: TX Zip Code: 77002
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (713) 345-7162 Fax: (713) 646-4808
4. Owner/Authorized Representative or Responsible Official Statement:  <i>I, the undersigned, am the owner or authorized representative*(check here [ ], if so) or the responsible official (check here [X], if so) of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i>   Signature   Date

\* Attach letter of authorization if not currently on file.

**Professional Engineer Certification**

1. Professional Engineer Name: David Holmes Parham Registration Number: 50834
2. Professional Engineer Mailing Address: Organization/Firm: Florida Gas Transmission Company Street Address: 601 S. Lake Destiny Dr. Suite City: Maitland State: FL Zip Code: 32751
3. Professional Engineer Telephone Numbers: Telephone: (407) 875-5827 Fax: (407) 875-5896

4. Professional Engineer Statement:

*I, the undersigned, hereby certify, except as particularly noted herein\*, that:*

*(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and*

*(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.*

*If the purpose of this application is to obtain a Title V source air operation permit (check here [  ], if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.*

*If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [X], if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.*

*If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [  ], if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.*

  
\_\_\_\_\_  
Signature

  
\_\_\_\_\_  
Date

(seal)

\* Attach any exception to certification statement.



**Construction/Modification Information**

1. Description of Proposed Project or Alterations:

Installation of a new gas fired Solar Mars 90 T-13002S compressor turbine rated at 10,350 horsepower ISO.

Replacement of two existing gas fired emergency generators rated at 200 hp and 235 hp with a new gas fired 420 kW (637 hp) Caterpillar Model 3412.

2. Projected or Actual Date of Commencement of Construction: 06/01/00

3. Projected Date of Completion of Construction: 09/01/00

**Application Comment**

This proposed modification is part of FGT's Phase IV Expansion project, aimed at increasing the supply capacity of FGT's network servicing domestic, commercial, and industrial customers in Florida.

The existing facility is currently operating under Permit No. 0390029-001-AV.

## II. FACILITY INFORMATION

### A. GENERAL FACILITY INFORMATION

#### Facility Location and Type

1. Facility UTM Coordinates: Zone: 16 East (km): 719.97 North (km): 3377.39			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): 30/30/38 Longitude (DD/MM/SS): 84/42/28			
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 49	6. Facility SIC(s):  4922
7. Facility Comment (limit to 500 characters):  Compressor Station No. 14 is an existing natural gas pipeline compressor station with six existing compressor engines. It is classified as a major source under New Source Review and Title V definitions.			

#### Facility Contact

1. Name and Title of Facility Contact: Paul Pelletier, Team Environmental Leader			
2. Facility Contact Mailing Address: Organization/Firm: Florida Gas Transmission Company Street Address: Rt. 3 Box 3390, Hwy. 65 South City: Quincy State: FL Zip Code: 32351-9803			
3. Facility Contact Telephone Numbers: Telephone: (904) 627-8090 Fax: (904) 627-7199			

**Facility Regulatory Classifications**

Check all that apply:

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	
3. <input type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)?	
5. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
6. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
7. <input type="checkbox"/> One or More Emission Units Subject to NESHAP?	
8. <input type="checkbox"/> Title V Source by EPA Designation?	
I. Facility Regulatory Classifications Comment (limit to 200 characters):	
<p>Facility is a major source for PSD and Title V purposes. New turbine will be subject to NSPS Subpart GG. The project is not subject to PSD since the increases in emissions are less than the significant levels.</p>	

**List of Applicable Regulations**

FDEP Title V Core List	
62-296.320(4)(b)1 General Visible Emissions Standards	
40 CFR 60, Subpart GG Standards of Performance for Stationary Gas-fired Turbines	



**B. FACILITY POLLUTANTS**

**List of Pollutants Emitted**

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		
NO <sub>x</sub>	A				
CO	A				
VOC	B				
SO <sub>2</sub>	B				
PM	B				



**Additional Supplemental Requirements for Title V Air Operation Permit Applications**

8. List of Proposed Insignificant Activities: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. List of Equipment/Activities Regulated under Title VI: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed <input checked="" type="checkbox"/> Not Applicable
10. Alternative Methods of Operation: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Risk Management Plan Verification: <input type="checkbox"/> Plan previously submitted to Chemical Emergency Preparedness and Prevention Office (CEPPO). Verification of submittal attached (Document ID: _____) or previously submitted to DEP (Date and DEP Office: _____) <input type="checkbox"/> Plan to be submitted to CEPPO (Date required: _____) <input checked="" type="checkbox"/> Not Applicable
14. Compliance Report and Plan: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
15. Compliance Certification (Hard-copy Required): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**III. EMISSIONS UNIT INFORMATION**

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

**A. GENERAL EMISSIONS UNIT INFORMATION**  
(All Emissions Units)

**Emissions Unit Description and Status**

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>			
<p>2. Regulated or Unregulated Emissions Unit? (Check one)</p> <p><input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</p> <p><input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</p>			
<p>3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p>10,350 bhp natural gas fired turbine compressor unit</p>			
<p>4. Emissions Unit Identification Number:</p> <p><input type="checkbox"/> ID: <input checked="" type="checkbox"/> ID Unknown</p>			
<p>5. Emissions Unit Status Code:</p> <p>C</p>	<p>6. Initial Startup Date: 09/01/00</p>	<p>7. Emissions Unit Major Group SIC Code:</p> <p>49</p>	<p>8. Acid Rain Unit?</p> <p><input type="checkbox"/></p>
<p>9. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>The proposed turbine engine will be a Solar Mars T-90-T13002S engine compressor unit ISO rated at 10,350 bhp at 10,800 revolutions per minute. Fuel will be exclusively natural gas from the FGT's gas pipeline. The proposed engine will incorporate dry, low NO<sub>x</sub> combustion technology.</p>			

**Emissions Unit Control Equipment**

1. Control Equipment/Method Description (Limit to 200 characters per device or method):  The proposed engine will incorporate dry, low NOX combustion technology.	
2. Control Device or Method Code(s):	NA

**Emissions Unit Details**

1. Package Unit:	Manufacturer: Solar	Model Number: Mars 90 T13002S
2. Generator Nameplate Rating:	MW	
3. Incinerator Information:	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

**B. EMISSIONS UNIT CAPACITY INFORMATION**  
 (Regulated Emissions Units Only)

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:	89	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:		
5. Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):		
Heat input is 88.58 MM Btu/hr based on vendor specifications of 8,558 Btu/hp-hr and 10,350 bhp.		



**D. EMISSION POINT (STACK/VENT) INFORMATION**  
**(Regulated Emissions Units Only)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Diagram? 1407		Flow	2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA				
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA				
5. Discharge Type Code: V		6. Stack Height: 58 feet		7. Exit Diameter: 8.74 feet
8. Exit Temperature: 883 °F		9. Actual Volumetric Flow		10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm			12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates: Zone: 16 East (km): 719.970 North (km): 3377.390				
14. Emission Point Comment (limit to 200 characters):  Stack is rectangular in cross section at 7.5 ft. x 8 ft. Diameter given above is equivalent diameter (De) of stack.				



**Emissions Unit Information Section   1   of   3**

**E. SEGMENT (PROCESS/FUEL) INFORMATION  
(All Emissions Units)**

**Segment Description and Rate:** Segment   1   of   1  

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  Natural gas fired turbine engine driving a natural gas compressor, operating full time.		
2. Source Classification Code (SCC): 2-02-002-01		3. SCC Units: Million cubic feet burned
4. Maximum Hourly Rate: 0.0937	5. Maximum Annual Rate: 820.7	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: 0.03	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: 1040
10. Segment Comment (limit to 200 characters):  Based on vendor supplied fuel rate of 88.58 MMBtu/hr plus 10%.  Percent sulfur is base on maximum Federal Energy Regulatory Commission (FERC) limit of 10 gr S/100 scf and gas density of 0.0455 lb/scf.		

**Segment Description and Rate:** Segment   NA   of       

1. Segment Description (Process/Fuel Type ) (limit to 500 characters):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

**F. EMISSIONS UNIT POLLUTANTS**  
(All Emissions Units)

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
NOX	099		EL
CO			NS
VOC			NS
SO2			EL
PM			NS
PM10			NS

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units -**  
**Emissions-Limited and Preconstruction Review Pollutants Only)**

**Potential/Fugitive Emissions**

1. Pollutant Emitted: NOX		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 8.80 lb/hour 38.56 tons/year		4. Synthetically Limited? [ ]	
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year			
6. Emission Factor: 38.56 tpy Reference: Vendor's data		7. Emissions Method Code: 5	
8. Calculation of Emissions (limit to 600 characters):  (38.56 tons/year)(2000 lb/ton)(1 yr/8760 hr) = 8.80 lb/hr			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  Vendor's data based on ISO conditions.			

**Allowable Emissions** Allowable Emissions  1  of  1

1. Basis for Allowable Emissions Code: RULE		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units: 50 ppmv		4. Equivalent Allowable Emissions: 8.8 lb/hour 38.56 tons/year	
5. Method of Compliance (limit to 60 characters): Initial performance test.			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  40 CFR 60.332(3) limits NOX emissions to 178 ppmv.			

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units -**  
**Emissions-Limited and Preconstruction Review Pollutants Only)**

**Potential/Fugitive Emissions**

1. Pollutant Emitted: CO		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 10.72 lb/hour		4. Synthetically Limited? [ ]	
46.95 tons/year			
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year			
6. Emission Factor: 46.95 tpy Reference: Vendor's data		7. Emissions Method Code: 5	
8. Calculation of Emissions (limit to 600 characters):  (46.95 tons/year)(2000 lb/ton)(1 yr/8760 hr) = 10.72 lb/hr			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  Vendor's data based on ISO conditions.			

**Allowable Emissions** Allowable Emissions  NA  of  \_\_\_\_\_

1. Basis for Allowable Emissions Code: NA		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units:		4. Equivalent Allowable Emissions: lb/hour tons/year	
5. Method of Compliance (limit to 60 characters):			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
 (Regulated Emissions Units -  
 Emissions-Limited and Preconstruction Review Pollutants Only)

**Potential/Fugitive Emissions**

1. Pollutant Emitted: VOC		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.31 lb/hour		1.34 tons/year	
4. Synthetically Limited? [ ]			
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year			
6. Emission Factor: 1.3446 tpy Reference: Vendor's data		7. Emissions Method Code: 5	
8. Calculation of Emissions (limit to 600 characters):  Vendor factor for unburned hydrocarbons (UHC) = 13.446 tpy. Assume 10% is VOC. $(1.34 \text{ tons/year})(2000 \text{ lb/ton})(1 \text{ yr}/8760 \text{ hr}) = 0.31 \text{ lb/hr}$			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  Vendor's data based on ISO conditions.			

**Allowable Emissions** Allowable Emissions  NA  of  \_\_\_\_\_

1. Basis for Allowable Emissions Code: NA		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units:		4. Equivalent Allowable Emissions: lb/hour tons/year	
5. Method of Compliance (limit to 60 characters):			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units -**  
**Emissions-Limited and Preconstruction Review Pollutants Only)**

**Potential/Fugitive Emissions**

1. Pollutant Emitted: SO2		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 2.68 lb/hour		4. Synthetically Limited? [ ]	
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year		7. Emissions Method Code: 2	
6. Emission Factor: 10 gr/100scf Reference: Vendor's fuel use		7. Emissions Method Code: 2	
8. Calculation of Emissions (limit to 600 characters):  $(10 \text{ gr S}/100 \text{ scf})(0.0937 \text{ MMscf/hr})(1 \text{ lb}/7000 \text{ gr}) = 1.34 \text{ lb S/hr}$ $(1.34 \text{ lb S/hr})(2 \text{ lb SO}_2/\text{lb S}) = 2.68 \text{ lb SO}_2/\text{hr}$ $(2.68 \text{ lb SO}_2/\text{hr})(8760 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) = 11.72 \text{ ton/yr}$			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  SO2 emission factor is based on maximum Federal Energy Regulatory Commission (FERC) limit of 10 gr S/100 scf and gas density of 0.0455 lb/scf.			

**Allowable Emissions** Allowable Emissions  1  of  1

1. Basis for Allowable Emissions Code: RULE		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units: 4 ppmv		4. Equivalent Allowable Emissions: 2.68 lb/hour 11.73 tons/year	
5. Method of Compliance (limit to 60 characters): Initial performance test.			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  40 CFR 60.332(3) limits SO2 emissions to 150 ppmv.			

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
 (Regulated Emissions Units -  
 Emissions-Limited and Preconstruction Review Pollutants Only)

**Potential/Fugitive Emissions**

1. Pollutant Emitted: PM		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.47 lb/hour 2.05 tons/year		4. Synthetically Limited? [ ]	
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year			
6. Emission Factor: 5 LB/MMscf Reference: Table 1.4-1, AP-42 5 <sup>th</sup> Ed.		7. Emissions Method Code: 4	
8. Calculation of Emissions (limit to 600 characters):  (5 lb/MMscf)(0.0937 MMscf/hr) = 0.47 lb/hr (0.47 lb/hr)(8760 hr/yr)(1 ton/2000 lb) = 2.05 ton/yr			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  Based on vendor's fuel use data.			

**Allowable Emissions** Allowable Emissions  NA  of \_\_\_\_\_

1. Basis for Allowable Emissions Code: NA		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units:		4. Equivalent Allowable Emissions: lb/hour tons/year	
5. Method of Compliance (limit to 60 characters):			
6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):			

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units -**  
**Emissions-Limited and Preconstruction Review Pollutants Only)**

**Potential/Fugitive Emissions**

1. Pollutant Emitted: PM10	2. Total Percent Efficiency of Control:
3. Potential Emissions: 0.47 lb/hour 2.05 tons/year	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: 5 LB/MMscf Reference: Table 1.4-1, AP-42 5 <sup>th</sup> Ed.	7. Emissions Method Code: 4
8. Calculation of Emissions (limit to 600 characters):  $(5 \text{ lb/MMscf})(0.0937 \text{ MMscf/hr}) = 0.47 \text{ lb/hr}$ $(0.47 \text{ lb/hr})(8760 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) = 2.05 \text{ ton/yr}$	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  Based on vendor's fuel use data.	

**Allowable Emissions** Allowable Emissions  NA  of \_\_\_\_\_

1. Basis for Allowable Emissions Code: NA	2. Future Effective Date of Allowable Emissions: NA
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):	



**III. EMISSIONS UNIT INFORMATION**

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

**A. GENERAL EMISSIONS UNIT INFORMATION  
(All Emissions Units)**

**Emissions Unit Description and Status**

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>			
<p>2. Regulated or Unregulated Emissions Unit? (Check one)</p> <p><input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</p> <p><input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</p>			
<p>3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p>Emergency generator powered by a Caterpillar Model 3412 rated at 637 bhp</p>			
<p>4. Emissions Unit Identification Number:</p> <p><input type="checkbox"/> ID:                      <input checked="" type="checkbox"/> ID Unknown</p>			
<p>5. Emissions Unit Status Code:</p> <p>C</p>	<p>6. Initial Startup Date: 09/01/00</p>	<p>7. Emissions Unit Major Group SIC Code:</p> <p>49</p>	<p>8. Acid Rain Unit?</p> <p><input type="checkbox"/></p>
<p>9. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>The proposed generator engine will be a Caterpillar Model 3412 reciprocating engine rated at 420 kW (637). Fuel will be exclusively natural gas from the FGT's gas pipeline. The unit will be operated no more than 500 hours per year. This unit will replace an existing Waukesha Model 6WAK, 235 bhp emergency generator and a Ford LSG-875R, 200 bhp emergency generator.</p>			

**Emissions Unit Control Equipment**

1. Control Equipment/Method Description (Limit to 200 characters per device or method):	
NA	
2. Control Device or Method Code(s):	NA

**Emissions Unit Details**

1. Package Unit:	Manufacturer: Caterpillar	Model Number: 3412
2. Generator Nameplate Rating:	0.420 MW	
3. Incinerator Information:	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

**B. EMISSIONS UNIT CAPACITY INFORMATION  
(Regulated Emissions Units Only)**

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate:		5.4
mmBtu/hr		
2. Maximum Incineration Rate:	lb/hr	
tons/day		
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:		
5. Requested Maximum Operating Schedule:		
	hours/day	days/week
	weeks/year	500 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):		
Heat input is 5,366 MM Btu/hr based on vendor specifications of 86 scfm of natural gas fuel and a fuel heat value of 1040 Btu/scf.		
Schedule will be limited to 500 hours per year.		



**D. EMISSION POINT (STACK/VENT) INFORMATION**  
 (Regulated Emissions Units Only)

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Diagram? GEN 03		Flow	2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA				
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA				
5. Discharge Type Code: V		6. Stack Height: 20 feet		7. Exit Diameter: 0.67 feet
8. Exit Temperature: 700 °F		9. Actual Volumetric Flow Rate: 3125 acfm		10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm			12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates: Zone: 16 East (km): 719.970 North (km): 3377.390				
14. Emission Point Comment (limit to 200 characters):  This 637 bhp emergency generator will replace two existing emergency generators rated at 235 and 200 bhp. The unit will not be operated more than 500 hours per year.				

**E. SEGMENT (PROCESS/FUEL) INFORMATION**  
(All Emissions Units)

**Segment Description and Rate:** Segment  1  of  1

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  Natural gas fired reciprocating engine driving a 420 Kw generator, operating no more than 500 hours per year.		
2. Source Classification Code (SCC): 2-02-002-02		3. SCC Units: Million cubic feet burned
4. Maximum Hourly Rate: 0.00516	5. Maximum Annual Rate: 2.58	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: 0.03	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: 1040
10. Segment Comment (limit to 200 characters):  Based on vendor supplied fuel rate of 86 scfm.  Percent sulfur is base on maximum Federal Energy Regulatory Commission (FERC) limit of 10 gr S/100 scf and gas density of 0.0455 lb/scf.		

**Segment Description and Rate:** Segment  NA  of  NA

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  NA		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

**F. EMISSIONS UNIT POLLUTANTS**  
(All Emissions Units)

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
NOX			NS
CO			NS
VOC			NS
SO2			NS
PM			NS
PM10			NS

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
 (Regulated Emissions Units -  
 Emissions-Limited and Preconstruction Review Pollutants Only)

**Potential/Fugitive Emissions**

1. Pollutant Emitted: NOX		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 2.80 lb/hour		0.70 tons/year	
4. Synthetically Limited? <input checked="" type="checkbox"/> [X] ]			
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year			
6. Emission Factor: 2.80 lb/hr		7. Emissions Method Code:	
Reference: Vendor's data		5	
8. Calculation of Emissions (limit to 600 characters):  (2.80 lb/hr)(500 hr/yr)(1 ton/2000 lb) = 0.70 tpy			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  Vendor's data is for 2 g/hp-hr at 637 bhp.			

**Allowable Emissions** Allowable Emissions  1  of  1

1. Basis for Allowable Emissions Code: OTHER		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units: NA		4. Equivalent Allowable Emissions: NA lb/hour tons/year	
5. Method of Compliance (limit to 60 characters):  Maintain record of hours of operation.			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  Limitation on hours to 500 hrs/yr meets US EPA's definition of an emergency generator as insignificant source for Title V purposes.			



**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
 (Regulated Emissions Units -  
 Emissions-Limited and Preconstruction Review Pollutants Only)

**Potential/Fugitive Emissions**

1. Pollutant Emitted: CO		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 2.25 lb/hour		4. Synthetically Limited? [ ]	
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year		0.56 tons/year	
6. Emission Factor: 2.25 lb/hr Reference: Vendor's data		7. Emissions Method Code: 5	
8. Calculation of Emissions (limit to 600 characters):  (2.25 lb/hr)(500 hr/yr)(1 ton/2000 lb) = 0.56 tpy			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions  1  of  1

1. Basis for Allowable Emissions Code: OTHER		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units: NA		4. Equivalent Allowable Emissions: NA lb/hour tons/year	
5. Method of Compliance (limit to 60 characters):  Maintain record of hours of operation.			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  Limitation on hours to 500 hrs/yr meets US EPA's definition of an emergency generator as insignificant source for Title V purposes.			

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
 (Regulated Emissions Units -  
 Emissions-Limited and Preconstruction Review Pollutants Only)

**Potential/Fugitive Emissions**

1. Pollutant Emitted: VOC		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.93 lb/hour		4. Synthetically Limited? <input checked="" type="checkbox"/> <input type="checkbox"/>	
0.23 tons/year			
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year			
6. Emission Factor: 0.93 lb/hr Reference: Vendor's data		7. Emissions Method Code: 5	
8. Calculation of Emissions (limit to 600 characters):  Vendor factor for non-methane hydrocarbons (NMHC) = 0.93 lb/hr. Assume all is VOC. $(0.93 \text{ lb/hr})(500 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) = 0.23 \text{ tpy}$			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions  1  of  1

1. Basis for Allowable Emissions Code: OTHER		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units: NA		4. Equivalent Allowable Emissions: NA lb/hour tons/year	
5. Method of Compliance (limit to 60 characters):  Maintain record of hours of operation.			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  Limitation on hours to 500 hrs/yr meets US EPA's definition of an emergency generator as insignificant source for Title V purposes.			

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units -**  
**Emissions-Limited and Preconstruction Review Pollutants Only)**

**Potential/Fugitive Emissions**

1. Pollutant Emitted: SO2		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.15 lb/hour      0.04 tons/year		4. Synthetically Limited? <input checked="" type="checkbox"/> <input type="checkbox"/>	
5. Range of Estimated Fugitive Emissions: [ ] 1      [ ] 2      [ ] 3      _____ to _____ tons/year			
6. Emission Factor: 82 scfm natural gas fuel Reference: Vendor's data		7. Emissions Method Code: 2	
8. Calculation of Emissions (limit to 600 characters):  $(10 \text{ gr S}/100 \text{ scf})(0.0052 \text{ MMscf/hr})(1 \text{ lb}/7000 \text{ gr}) = 0.074 \text{ lb S/hr}$ $(0.074 \text{ lb S/hr})(2 \text{ lb SO}_2/\text{lb S}) = 0.15 \text{ lb SO}_2/\text{hr}$ $(0.15 \text{ lb SO}_2/\text{hr})(500 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) = 0.04 \text{ ton/yr}$			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  SO2 emission factor is based on maximum Federal Energy Regulatory Commission (FERC) limit of 10 gr S/100 scf and gas density of 0.0455 lb/scf.			

**Allowable Emissions** Allowable Emissions  1  of  1

1. Basis for Allowable Emissions Code: OTHER		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units: NA		4. Equivalent Allowable Emissions: NA lb/hour      tons/year	
5. Method of Compliance (limit to 60 characters):  Maintain record of hours of operation.			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  Limitation on hours to 500 hrs/yr meets US EPA's definition of an emergency generator as insignificant source for Title V purposes.			

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
 (Regulated Emissions Units -  
 Emissions-Limited and Preconstruction Review Pollutants Only)

**Potential/Fugitive Emissions**

1. Pollutant Emitted: PM		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.026 lb/hour      0.007 tons/year		4. Synthetically Limited? <input checked="" type="checkbox"/> <input type="checkbox"/>	
5. Range of Estimated Fugitive Emissions: [ ] 1      [ ] 2      [ ] 3      _____ to _____ tons/year			
6. Emission Factor: 5 LB/MMscf Reference: Table I.4-1, AP-42 5 <sup>th</sup> Ed.		7. Emissions Method Code: 4	
8. Calculation of Emissions (limit to 600 characters):  (5 lb/MMscf)(0.0052 MMscf/hr) = 0.026 lb/hr (0.026 lb/hr)(500 hr/yr)(1 ton/2000 lb) = 0.007 ton/yr			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  Based on vendor's fuel use data.			

**Allowable Emissions** Allowable Emissions  1  of  1

1. Basis for Allowable Emissions Code: OTHER		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units: NA		4. Equivalent Allowable Emissions: NA lb/hour      tons/year	
5. Method of Compliance (limit to 60 characters):  Maintain record of hours of operation.			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  Limitation on hours to 500 hrs/yr meets US EPA's definition of an emergency generator as insignificant source for Title V purposes.			

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
 (Regulated Emissions Units -  
 Emissions-Limited and Preconstruction Review Pollutants Only)

**Potential/Fugitive Emissions**

1. Pollutant Emitted: PM10		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.026 lb/hour      0.007 tons/year		4. Synthetically Limited? <input checked="" type="checkbox"/> ]	
5. Range of Estimated Fugitive Emissions: [ ] 1      [ ] 2      [ ] 3      _____ to _____ tons/year			
6. Emission Factor: 5 LB/MMscf Reference: Table 1.4-1, AP-42 5 <sup>th</sup> Ed.		7. Emissions Method Code: 4	
8. Calculation of Emissions (limit to 600 characters):  (5 lb/MMscf)(0.0052 MMscf/hr) = 0.026 lb/hr (0.026 lb/hr)(500 hr/yr)(1 ton/2000 lb) = 0.007 ton/yr			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  Based on vendor's fuel use data.			

**Allowable Emissions** Allowable Emissions  1  of  1

1. Basis for Allowable Emissions Code: OTHER		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units: NA		4. Equivalent Allowable Emissions: NA lb/hour      tons/year	
5. Method of Compliance (limit to 60 characters):  Maintain record of hours of operation.			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  Limitation on hours to 500 hrs/yr meets US EPA's definition of an emergency generator as insignificant source for Title V purposes.			



**Emissions Unit Control Equipment**

1. Control Equipment/Method Description (Limit to 200 characters per device or method):	
NA	
2. Control Device or Method Code(s):	NA

**Emissions Unit Details**

1. Package Unit: Manufacturer:	Model Number:
2. Generator Nameplate Rating:	MW
3. Incinerator Information:	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

**B. EMISSIONS UNIT CAPACITY INFORMATION  
(Regulated Emissions Units Only)**

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate:	mmBtu/hr		
2. Maximum Incineration Rate:	lb/hr	tons/day	
3. Maximum Process or Throughput Rate:			
4. Maximum Production Rate:			
5. Requested Maximum Operating Schedule:			
	24 hours/day	7 days/week	
	52 weeks/year	8760 hours/year	
6. Operating Capacity/Schedule Comment (limit to 200 characters):			





**D. EMISSION POINT (STACK/VENT) INFORMATION**  
**(Regulated Emissions Units Only)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Diagram? FUGITIVE		Flow	2. Emission Point Type Code: 4	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA				
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA				
5. Discharge Type Code: F		6. Stack Height: NA		7. Exit Diameter: NA
		feet		feet
8. Exit Temperature: 77 °F		9. Actual Volumetric Flow		10. Water Vapor: NA %
11. Maximum Dry Standard Flow Rate: NA		12. Nonstack Emission Point Height: 0		
		dscfm		
13. Emission Point UTM Coordinates: Zone: 16 East (km): 719.970 North (km): 3377.390				
14. Emission Point Comment (limit to 200 characters):				

**E. SEGMENT (PROCESS/FUEL) INFORMATION**  
(All Emissions Units)

**Segment Description and Rate:** Segment  1  of  1

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  Fugitive emissions from component leaks.		
2. Source Classification Code (SCC): 3-10-888-11		3. SCC Units: MM cubic feet produced
4. Maximum Hourly Rate: 0	5. Maximum Annual Rate: 0	6. Estimated Annual Activity Factor: component count
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters):  Based on count of new components and USEPA emission factors provided in EPA publication EPA-453/R-95-017, November 1995, "Protocol for Equipment Leak Emission Estimates"		

**Segment Description and Rate:** Segment  NA  of  NA

1. Segment Description (Process/Fuel Type ) (limit to 500 characters):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		



**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units -**  
**Emissions-Limited and Preconstruction Review Pollutants Only)**

**Potential/Fugitive Emissions**

1. Pollutant Emitted: VOC		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.0202 lb/hour		4. Synthetically Limited? [ ]	
0.09 tons/year			
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year			
6. Emission Factor: lb/hr/component		7. Emissions Method Code: 5	
Reference: EPA-453/R-95-017, Protocol for Equipment Leak EmissionEstimates"			
8. Calculation of Emissions (limit to 600 characters):  (EPA factor for specific component type) (number of components of specific type) = tpy. Assume non-methane/non-ethane fraction is 5%. (tons/year)(2000 lb/ton)(1 yr/8760 hr) = lb/hr			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  Factors vary by component type. See Attachment D for specific factors and calculations.			

**Allowable Emissions** Allowable Emissions \_\_NA\_\_ of \_\_\_\_

1. Basis for Allowable Emissions Code: NA		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units:		4. Equivalent Allowable Emissions: lb/hour tons/year	
5. Method of Compliance (limit to 60 characters):			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			



**J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION  
(Regulated Emissions Units Only)**

**Supplemental Requirements**

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input checked="" type="checkbox"/> Attached, Document ID: _Narrative <input type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment:  Process flow diagrams and fuel analyses have been previously submitted. Supplemental information is provided in the narrative description accompanying these forms.

**Additional Supplemental Requirements for Title V Air Operation Permit Applications**

11. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
15. Acid Rain Part Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input type="checkbox"/> Phase II NO <sub>x</sub> Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: _____  <input type="checkbox"/> Phase NO <sub>x</sub> Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable



**Attachment B**

**Plot Plan**



**Attachment C**

**Vendor Information**

**Solar Mars 90-T13002S Turbine**

**Caterpillar Model 3412 Natural Gas-fired Reciprocating Engine**

**Solar Mars 90-T13002S Turbine**



SOLAR TURBINES INCORPORATED  
ENGINE PERFORMANCE CODE REV. 2.84  
JOB ID:

DATE RUN: 7-SEP-99  
RUN BY: Corrine XXCasadonte

MARS 90-T13002S  
CS/MD  
122F MATCH  
GAS  
TME-2S REV. 2.1

STATION 12

DATA FOR MINIMUM PERFORMANCE

Fuel Type	SD NATURAL GAS	
Elevation	Feet	0
Inlet Loss	in. H2O	0
Exhaust Loss	in. H2O	0
Engine Inlet Temp.	Deg. F	59.0
Relative Humidity	%	60.0
Inlet Loss	Hp	0
Exhaust Loss	Hp	0
Driven Equipment Speed	RPM	7931
Optimum Equipment Speed	RPM	7931
Gas Generator Speed	RPM	10801
Specified Load	Hp	10350
Net Output Power	Hp	10350
Fuel Flow	MMBtu/hr	88.58
Heat Rate	Btu/Hp-hr	8558
Inlet Air Flow	lbm/hr	296412
Engine Exhaust Flow	lbm/hr	299731
PCD	psi(g)	202.4
PT Inlet Temp. (T5)	Deg. F	1180
Compensated PTIT	Deg. F	1199
Exhaust Temperature	Deg. F	833

NEW EQUIPMENT PREDICTED EMISSION PERFORMANCE  
DATA FOR STATION 12

Fuel: SD NATURAL GAS	Customer:
Water Injection: NO	Inquiry Number:
Number of Engines Tested: 0	
Model: MARS 90-T13002S CS/MD	122F MATCH GAS
Emissions Data: REV. 0.0	

CRITICAL WARNINGS IN USE OF DATA FOR PERMITTING

1. Short term permitting values such as PPMV or lbs/hr should be based on worst case actual operating conditions specific to the application and the site. Worst case for one pollutant is not necessarily the same for another. The values on this form are only predicted emissions at one specific operating condition; not necessarily the worst case.
2. Long term reference emission units (e.g. tons/yr) should reference the average conditions at the site (e.g. ISO). That number should not be derived from the worst case value referenced above, or conversely this average must not be used to calculate worst case.
3. Nominal values are based on actual test results, or predicted in the case of no actual engine tests. Expected maximum values should be referenced for permitting.
4. If a SoLoNOx model is planned to be installed in the future, use no less than 50 PPMv CO.

The following predicted emissions performance is based on the following specific single point: (see attached)

Hp= 10350, %Full Load= 86.4, Elev= 90 ft, %RH= 100.0, Temperature= 65.0 F

NOX		CO		UHC	
NOM	MAX	NOM	MAX	NOM	MAX
*	25.00	*	50.00	*	25.000 PPMvd at 15% O2
*	38.12	*	46.41	*	13.292 ton/yr

Hp= 10156, %Full Load= 100.0, Elev= 90 ft, %RH= 100.0, Temperature= 95.0 F

NOX		CO		UHC	
NOM	MAX	NOM	MAX	NOM	MAX
*	25.00	*	50.00	*	25.000 PPMvd at 15% O2
*	37.51	*	45.67	*	13.080 ton/yr

\* NOMINAL EMISSIONS DATA UNAVAILABLE FOR THIS ENGINE

---

OTHER IMPORTANT NOTES

1. Solar does not provide maximum values for water-to-fuel ratio, SO<sub>x</sub>, particulates, or conditions outside those above without separate written approval.
2. Solar can optionally provide factory testing in San Diego to ensure the actual unit(s) meet the above values within the tolerances quoted. Pricing and schedule impact will be provided upon request.
3. Fuel must meet Solar standard fuel specification ES 9-98. Predicted emissions are based on the attached fuel composition, or, San Diego natural gas or equivalent.
4. If the above information is being used regarding existing equipment, it should be verified by actual site testing.



SOLAR TURBINES INCORPORATED  
ENGINE PERFORMANCE CODE REV. 2.84  
JOB ID:

DATE RUN: 7-SEP-99  
RUN BY: Corrine XXCasadonte

MARS 90-T13002S  
CS/MD  
122F MATCH  
GAS  
TME-2S REV. 2.1

STATION 12

DATA FOR MINIMUM PERFORMANCE

Fuel Type	SD NATURAL GAS		
Elevation	Feet	90	
Inlet Loss	in. H2O	4.0	
Exhaust Loss	in. H2O	4.0	
Engine Inlet Temp.	Deg. F	65.0	95.0
Relative Humidity	%	100.0	100.0
Elevation Loss	Hp	36	35
Inlet Loss	Hp	195	193
Exhaust Loss	Hp	86	87
Driven Equipment Speed	RPM	7944	8098
Optimum Equipment Speed	RPM	7944	8098
Gas Generator Speed	RPM	10898	11168
Specified Load	Hp	10350	FULL
Net Output Power	Hp	10350	10156
Fuel Flow	MMBtu/hr	88.15	88.68
Heat Rate	Btu/Hp-hr	8517	8731
Inlet Air Flow	lbm/hr	291346	274886
Engine Exhaust Flow	lbm/hr	294661	278281
PCD	psi(g)	202.9	196.3
PT Inlet Temp. (T5)	Deg. F	1185	1256
Compensated PTIT	Deg. F	1203	1266
Exhaust Temperature	Deg. F	841	909

**Caterpillar Model 3412 Natural Gas-fired Reciprocating Engine**

Print Key output

5769SS1 V4R2MO 960228

ALTORFER

09/23/99 15:47:41.

Display Device : EME0302  
 User : XUPBO3CWT

-GKIE06- TMI - ENGINE AND COMP PERF DATE:  
 09/23/93  
 05 - INDUSTRIAL ENGINE PERFORMANCE TURBO QTY: TIME:  
 15:46:38  
 G3412 SI TA SC FUEL TYPE: NATURAL GA FUEL PR: 1 PSI C/R: 11.4:1  
 637 BHP @ 1800 RPM CARB: LOL NOX LVL: 2 g/bhp-hr IGN: EIS  
 DM0759-00 ELEK A/F CONT: CAM TYPE: LOL PISTON: JW TEMP: DEG F  
 210 EFF S/N: A/C TEMP: DEG F

129  
 INFO CODE 05 .EMISSIONS DATA \* \* \* \* \* RATED SPEED \* \* \* \* \*  
 \* \*

"NOT TO EXCEED DATA"

ENG		NOX		TOTAL	NON-METH		O2 (DRY)	
PWR		(AS NO2)	CO	HC	NC	CO2	IN EXE	
BHP	LOAD	* * * * *	* * * * *	LB/KR	* * * * *	TNS/HR	(VOL)	
LAMBDA								
637.0	100	2.80	2.25	6.22	.930	2.93	8.67	1.62
477.8	75	2.14	1.71	5.12	.770	2.32	8.48	1.58
318.5	50	1.43	1.19	2.92	.440	1.71	6.90	1.40

PRESS <ENTER> FOR ADDITIONAL DATA  
 NEXT TRAN: INFO CODE ( 05 ) UNIT TYPE ( E )  
 OTHER METRIC DISPLAYS: MG/NM3 ( ) PPM ( ) G/HP-HR ( )  
 HLP-F1 ACF-F3 PGM-F4 SEL-F5 G/GJ ( ) IDX-

646 6048 TO 912813735365

SEP 24 1999 14:22 FR ENRON P/L & COMP.713  
P.05/05

Print Key Output

Page 1

5769SS1 V4R2MO 980228  
Display Device  
User

ALTORFER

09/23/99 15:47:46

EME0302  
XUPBO3CWT

-GKIE07 TMI - ENGINE AND COMP PERF DATE:  
09/23/99  
05 - INDUSTRIAL ENGINE PERFORMANCE TURBO Qf1 TIME:  
15:46:47  
G3412 ST TA SC FUEL TYPE: NATURAL GA FUEL PR: 1 PSI C/R:  
11.4:1  
637 BHP @ 1800 RPM CARB: LOL NOX LVL: 2 g/bhp-hr IGN: ELS  
DM0755-00 ELEK A/P CONT: CAM TYPE: LOL PISTON: JW TEMP:DEG F 210  
EFF S/N: A/C TEMP:DEG F 129  
INFO CODE 05 - EMTSSIONS DATA \* \* \* \* \* RATED CONDITIONS \* \* \* \* \*  
\* \* \*

"NOMINAL DATA"

WET EXHAUST MASS		6795 LB/HR
WET EXHAUST FLOW ( 700 DEG F STACK TEMP )		3125 CPM
WET EXHAUST FLOW RATE (32 DEG F AND 30.00 IN HG )		1426 SCFM
DRY EXHAUST FLOW RATE (32 DEG F AND 30.00 IN HG )		1426 SCFM
FUEL PLOW RATE (32 DEC F AND 30.00 IN HG )		86 SCFM

PRESS <ENTER> TO CONTINUE

NEXT TRAN: INFO CODE ( 06 ) UNIT TYPE ( E )

HLP-F1 ACT-F1 PGM-F4 SEL-F5

IDX-F9

**Attachment D**  
**Emission Calculations**

**Engine Emissions**

**Fugitive Leak Emissions**

**Compressor Station No. 14**

**Engine No. 1407**

NOx Emissions: (Based on Vendor Data)

$$\text{lb NOx/hr} = 8.80$$

$$\begin{aligned} \text{tons NOx/yr} &= (\text{lb NOx/hr})(\text{hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= (8.8 \text{ lb NOx/hr})(8760 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= 38.560 \end{aligned}$$

CO Emissions: (Based on Vendor Data)

$$\text{lb CO/hr} = 10.72$$

$$\begin{aligned} \text{tons CO/yr} &= (\text{lb CO/hr})(\text{hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= (10.7 \text{ lb CO/hr})(8760 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= 46.950 \end{aligned}$$

VOC Emissions: (Based on Vendor Data)

$$\text{lb VOC/hr} = 0.306$$

$$\begin{aligned} \text{tons VOC/yr} &= (\text{lb VOC/hr})(\text{hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= (0.31 \text{ lb VOC/hr})(8760 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= 1.3400 \end{aligned}$$

SO2 Emissions: (Based on FERC Limits)

$$\begin{aligned} \text{lb S/hr} &= (\text{gr S}/100 \text{ scf})(\text{MMscf/hr})(1 \text{ lb}/7000 \text{ gr}) \\ &= (10 \text{ gr S}/100 \text{ scf})(0.0937 \text{ MMscf/hr})(1 \text{ lb}/7000 \text{ gr}) \\ &= 1.34 \end{aligned}$$

$$\begin{aligned} \text{lb SO}_2/\text{hr} &= (\text{lb S/hr})(2 \text{ lb SO}_2/\text{lb S}) \\ &= (1.34 \text{ lb S/hr})(2 \text{ lb SO}_2/\text{lb S}) \\ &= 2.68 \end{aligned}$$

$$\begin{aligned} \text{tons SO}_2/\text{yr} &= (\text{lb SO}_2/\text{hr})(\text{hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= (2.68 \text{ lb SO}_2/\text{hr})(8760 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= 11.7247 \end{aligned}$$

PM Emissions: (Based on AP-42, 5th Ed. Table 1.4-2)

$$\begin{aligned} \text{lb PM/hr} &= (\text{lb PM}/\text{MMscf})(\text{MMscf/hr}) \\ &= (5.0 \text{ MMscf/hr})(0.0937 \text{ MMscf/hr}) \\ &= 0.4685 \end{aligned}$$

$$\begin{aligned} \text{tons PM/yr} &= (\text{lb PM/hr})(\text{hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= (5.0 \text{ lb PM/hr})(8760 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= 2.05 \end{aligned}$$

PM10 Emissions: (Based on AP-42, 5th Ed. Table 1.4-2)

$$\begin{aligned} \text{lb PM}_{10}/\text{hr} &= (\text{lb PM}_{10}/\text{MMscf})(\text{MMscf/hr}) \\ &= (5.0 \text{ MMscf/hr}) \\ &= 0.47 \end{aligned}$$

$$\begin{aligned} \text{tons PM}_{10}/\text{yr} &= (\text{lb PM}_{10}/\text{hr})(\text{hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= (5.0 \text{ MMscf/hr})(0.0937 \text{ MMscf/hr}) \\ &= 2.05 \end{aligned}$$

## Compressor Station No. 14

### Engine No. Gen 03

NOx Emissions: (Based on Vendor Data)

$$\text{lb NOx/hr} = 2.8$$

$$\begin{aligned} \text{tons NOx/yr} &= (\text{lb NOx/hr})(\text{hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= (2.8 \text{ lb NOx/hr})(500 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= 0.700 \end{aligned}$$

CO Emissions: (Based on Vendor Data)

$$\text{lb CO/hr} = 2.25$$

$$\begin{aligned} \text{tons CO/yr} &= (\text{lb CO/hr})(\text{hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= (2.3 \text{ lb CO/hr})(500 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= 0.563 \end{aligned}$$

VOC Emissions: (Based on Vendor Data)

$$\text{lb VOC/hr} = 0.930$$

$$\begin{aligned} \text{tons VOC/yr} &= (\text{lb VOC/hr})(\text{hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= (0.00 \text{ lb VOC/hr})(0 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= 0.2325 \end{aligned}$$

SO2 Emissions: (Based on 0.031)

$$\begin{aligned} \text{lb S/hr} &= (\text{gr S}/100 \text{ scf})(\text{MMscf/hr})(1 \text{ lb}/7000 \text{ gr}) \\ &= (10 \text{ gr S}/100 \text{ scf})(0.0052 \text{ MMscf/hr})(1 \text{ lb}/7000 \\ &= \text{gr}) \\ &= 0.07 \end{aligned}$$

$$\begin{aligned} \text{lb SO}_2/\text{hr} &= (\text{lb S/hr})(2 \text{ lb SO}_2/\text{lb S}) \\ &= (0.00 \text{ lb S/hr})(2 \text{ lb SO}_2/\text{lb S}) \\ &= 0.15 \end{aligned}$$

$$\begin{aligned} \text{tons SO}_2/\text{yr} &= (\text{lb SO}_2/\text{hr})(\text{hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= (0.00 \text{ lb SO}_2/\text{hr})(0 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= 0.04 \end{aligned}$$

PM Emissions: (Based on AP-42, 5th Ed. Table 1.4-2)

$$\begin{aligned} \text{lb PM/hr} &= (\text{lb PM}/\text{MMscf})(\text{MMscf/hr}) \\ &= (5.0 \text{ MMscf/hr})(0.0052 \text{ MMscf/hr}) \\ &= 0.0258 \end{aligned}$$

$$\begin{aligned} \text{tons PM/yr} &= (\text{lb PM/hr})(\text{hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= (0.03 \text{ lb PM/hr})(500 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= 0.01 \end{aligned}$$

PM10 Emissions: (Based on (2.80 lb/hr)(500 hr/yr)(1 ton/2000 lb) = 0.70 ton/yr)

$$\begin{aligned} \text{lb PM}_{10}/\text{hr} &= (\text{lb PM}_{10}/\text{MMscf})(\text{MMscf/hr}) \\ &= (5.0 \text{ MMscf/hr})(0.0052 \text{ MMscf/hr}) \\ &= 0.0258 \end{aligned}$$

$$\begin{aligned} \text{tons PM}_{10}/\text{yr} &= (\text{lb PM}_{10}/\text{hr})(\text{hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= (0.03 \text{ lb PM}_{10}/\text{hr})(500 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb}) \\ &= 0.01 \end{aligned}$$

## Fugitive VOC Emissions

<b>Existing</b>						
Component	Service	Component Count	Emissions * Factor (ton/yr)	NM/NE Fraction	Emissions (ton/yr)	
Valves	Gas	376	0.0434606	0.05		0.82
Flanges	Gas	497	0.0037666	0.05		0.09
Open-Ended Line	Gas	14	0.0193158	0.05		0.01
Pumps	Gas	0	0.023179	0.05		0.00
Other	Gas	8	0.0849895	0.05		0.03
					<b>TOTAL:</b>	<b>0.96</b>

\*EPA publication EPA-453/R-95-017, November 1995, "Protocol for Equipment Leak EmissionEstimates"

<b>Project Added</b>						
Component	Service	Component Count	Emissions * Factor (ton/yr)	NM/NE Fraction	Emissions (ton/yr)	
Valves	Gas	38	0.0434606	0.05		0.08
Flanges	Gas	33	0.0037666	0.05		0.01
Open-Ended Line	Gas	0	0.0193158	0.05		0.00
Pumps	Gas	0	0.023179	0.05		0.00
Other	Gas	0	0.0849895	0.05		0.00
					<b>TOTAL:</b>	<b>0.09</b>

\*EPA publication EPA-453/R-95-017, November 1995, "Protocol for Equipment Leak EmissionEstimates"

<b>Future Total</b>						
Component	Service	Component Count	Emissions * Factor (ton/yr)	NM/NE Fraction	Emissions (ton/yr)	
Valves	Gas	414	0.0434606	0.05		0.9
Flanges	Gas	530	0.0037666	0.05		0.10
Open-Ended Line	Gas	14	0.0193158	0.05		0.014
Pumps	Gas	0	0.023179	0.05		0.00
Other	Gas	8	0.0849895	0.05		0.03
					<b>TOTAL:</b>	<b>1.05</b>

\*EPA publication EPA-453/R-95-017, November 1995, "Protocol for Equipment Leak EmissionEstimates"



**Attachment E**

**Dispersion Modeling Output**

**ISCLT3 NO<sub>x</sub> 1988**

**ISCLT3 NO<sub>x</sub> 1989**

**ISCLT3 NO<sub>x</sub> 1990**

**ISCLT3 NO<sub>x</sub> 1991**

**ISCLT3 NO<sub>x</sub> 1992**

**ISCST3 CO 1986**

**ISCST3 CO 1987**

**ISCST3 CO 1988**

**ISCST3 CO 1989**

**ISCST3 CO 1990**

ISCLT3 NO<sub>x</sub> 1988

\*\* The results for this run are in file 14LT88D.OUT

CO STARTING

TITLEONE FGT CS 14A Turbine 1407 & Emergency Generator 3 1988 Met ISCLT NOx  
TITLETWO Revised building height = 38'  
MODELOPT DFAULT CONC RURAL  
AVERTIME ANNUAL  
POLLUTID NOX  
RUNORNOT RUN

CO FINISHED

SO STARTING

SO LOCATION 1407 POINT 189.36 -305.90

** Parameters	QS	HS	TS	VS	DS
SO SRCPARAM 1407	1.109	17.68	718.1	13.85	2.66

SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDWID 1407	27.06	26.26	26.33	27.03	23.63	16.62	16.62
SO BUILDWID 1407	16.81	23.74	27.06	26.26	26.33	27.03	27.03
SO BUILDWID 1407	23.63	16.62	16.81	23.74	23.74	23.74	23.74

SO LOCATION GEN03 POINT 50.98 -206.27

** Parameters	QS	HS	TS	VS	DS
SO SRCPARAM GEN03	0.020	6.10	644.26	45.49	0.2

SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDWID GEN03	60.78	105.12	133.46	141.48	127.96	94.96	94.96
SO BUILDWID GEN03	47.50	7.19	60.78	105.12	133.46	141.48	141.48
SO BUILDWID GEN03	127.96	94.95	47.50	7.19	7.19	7.19	7.19

SO SRCGROUP ALL

SO FINISHED

RE STARTING

GRIDCART 100MGrid STA  
GRIDCART 100MGrid XYINC -911 23 100 -1406 23 100  
GRIDCART 100MGrid END  
GRIDCART 500MGrid STA  
GRIDCART 500MGrid XYINC -5311 23 500 -5806 23 500  
GRIDCART 500MGrid END

RE FINISHED

```

ME STARTING
INPUTFIL TALLA88.STA
ANEMHGHT 10.
SURFDATA 93805 1988 TALLAHASSE
UAIRDATA 12832 1988 APALACHICOLA
STARDATA ANNUAL

```

```

**          - AMBIENT AIR TEMPERATURE (DEGREES KELVIN) -
**
**          STAB   STAB   STAB   STAB   STAB   STAB
**          CAT 1  CAT 2  CAT 3  CAT 4  CAT 5  CAT 6
**          -----
AVETEMPS ANNUAL  299.1  299.1  299.1  292.7  286.3  286.3

```

```

**          - MIXING LAYER HEIGHT (METERS) -
**
**          S
**          T   WS     WS     WS     WS     WS     WS
**          SEAS A  CAT 1  CAT 2  CAT 3  CAT 4  CAT 5  CAT 6
**          ---- B  -----
AVEMIXHT ANNUAL 1 .195E+04 .195E+04 .195E+04 .195E+04 .195E+04 .195E+04
AVEMIXHT ANNUAL 2 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04
AVEMIXHT ANNUAL 3 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04
AVEMIXHT ANNUAL 4 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04
AVEMIXHT ANNUAL 5 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05
AVEMIXHT ANNUAL 6 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05

```

ME FINISHED

```

OU STARTING
RECTABLE SRCGRP
MAXTABLE 10 INDSRC SRCGRP SOCONT
OU FINISHED

```

```

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

```

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1988 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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13:27:59  
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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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

\*\*Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

\*\*Model Uses NO plume DEPLETION.

\*\*Model Uses RURAL Dispersion.

\*\*Model Uses Regulatory DEFAULT Options:

1. Final Plume Rise.
2. Stack-tip Downwash.
3. Buoyancy-induced Dispersion.
4. Default Wind Profile Exponents.
5. Default Vertical Potential Temperature Gradients.
6. "Upper Bound" Values For Supersquat Buildings.
7. No Exponential Decay for RURAL Mode

\*\*Model Assumes Receptors on FLAT Terrain.

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*Model Calculates 1 STAR Average(s) for the Following Months: 0 0 0 0 0 0 0 0 0 0 0 0  
Seasons/Quarters: 0 0 0 0  
and Annual: 1

\*\*Data File Includes 1 STAR Summaries for the Following Months: 0 0 0 0 0 0 0 0 0 0 0 0  
Seasons/Quarters: 0 0 0 0  
and Annual: 1

\*\*This Run Includes: 2 Source(s); 1 Source Group(s); and 1058 Receptor(s)

\*\*The Model Assumes A Pollutant Type of: NOX

\*\*Model Set To Continue RUNNING After the Setup Testing.

\*\*Output Options Selected:

Model Outputs Tables of Long Term Values by Receptor (RECTABLE Keyword)  
Model Outputs Tables of Maximum Long Term Values (MAXTABLE Keyword)

\*\*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: 14LT88d.IN ; \*\*Output Print File: 14LT88d.OUT

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1988 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
1407	0	0.11090E+01	189.4	-305.9	0.0	17.68	718.10	13.85	2.66	YES	
GEN03	0	0.20000E-01	51.0	-206.3	0.0	6.10	644.26	45.49	0.20	YES	

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1988 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

GROUP ID

SOURCE IDs

ALL 1407 , GEN03 ,

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1988 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: 1407

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	11.6,	27.1,	0	2	11.6,	26.3,	0	3	11.6,	26.3,	0	4	11.6,	27.0,	0
5	11.6,	23.6,	0	6	11.6,	16.6,	0	7	11.6,	16.8,	0	8	11.6,	23.7,	0
9	11.6,	27.1,	0	10	11.6,	26.3,	0	11	11.6,	26.3,	0	12	11.6,	27.0,	0
13	11.6,	23.6,	0	14	11.6,	16.6,	0	15	11.6,	16.8,	0	16	11.6,	23.7,	0

SOURCE ID: GEN03

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	9.9,	60.8,	0	2	9.9,	105.1,	0	3	9.9,	133.5,	0	4	9.9,	141.5,	0
5	9.9,	128.0,	0	6	9.9,	95.0,	0	7	9.9,	47.5,	0	8	9.9,	7.2,	0
9	9.9,	60.8,	0	10	9.9,	105.1,	0	11	9.9,	133.5,	0	12	9.9,	141.5,	0
13	9.9,	128.0,	0	14	9.9,	95.0,	0	15	9.9,	47.5,	0	16	9.9,	7.2,	0

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1988 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-911.0,	-811.0,	-711.0,	-611.0,	-511.0,	-411.0,	-311.0,	-211.0,	-111.0,	-11.0,
89.0,	189.0,	289.0,	389.0,	489.0,	589.0,	689.0,	789.0,	889.0,	989.0,
1089.0,	1189.0,	1289.0,							

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-1406.0,	-1306.0,	-1206.0,	-1106.0,	-1006.0,	-906.0,	-806.0,	-706.0,	-606.0,	-506.0,
-406.0,	-306.0,	-206.0,	-106.0,	-6.0,	94.0,	194.0,	294.0,	394.0,	494.0,
594.0,	694.0,	794.0,							

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1988 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-5311.0,	-4811.0,	-4311.0,	-3811.0,	-3311.0,	-2811.0,	-2311.0,	-1811.0,	-1311.0,	-811.0,
-311.0,	189.0,	689.0,	1189.0,	1689.0,	2189.0,	2689.0,	3189.0,	3689.0,	4189.0,
4689.0,	5189.0,	5689.0,							

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-5806.0,	-5306.0,	-4806.0,	-4306.0,	-3806.0,	-3306.0,	-2806.0,	-2306.0,	-1806.0,	-1306.0,
-806.0,	-306.0,	194.0,	694.0,	1194.0,	1694.0,	2194.0,	2694.0,	3194.0,	3694.0,
4194.0,	4694.0,	5194.0,							

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1988 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
LESS THAN 1.0 METER OR 3\*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	- - RECEPTOR LOCATION - -		DISTANCE (METERS)
	XR (METERS)	YR (METERS)	
1407	189.0	-306.0	0.37
1407	189.0	-306.0	0.37



\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* AVERAGE SPEED FOR EACH WIND SPEED CATEGORY \*\*\*  
 (METERS/SEC)

1.50, 2.50, 4.30, 6.80, 9.50, 12.50,

\*\*\* WIND PROFILE EXPONENTS \*\*\*

STABILITY CATEGORY	WIND SPEED 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 CATEGORY	WIND SPEED 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

\*\*\* AVERAGE AMBIENT AIR TEMPERATURE (KELVIN) \*\*\*

	STABILITY CATEGORY A	STABILITY CATEGORY B	STABILITY CATEGORY C	STABILITY CATEGORY D	STABILITY CATEGORY E	STABILITY CATEGORY F
ANNUAL	299.1000	299.1000	299.1000	292.7000	286.3000	286.3000

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1988 Met ISCLT NOx \*\*\*

\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* AVERAGE MIXING LAYER HEIGHT (METERS) \*\*\*

	ANNUAL					
	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED
	CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4	CATEGORY 5	CATEGORY 6
STABILITY CATEGORY A	1949.9999	1949.9999	1949.9999	1949.9999	1949.9999	1949.9999
STABILITY CATEGORY B	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY C	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY D	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY E	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000
STABILITY CATEGORY F	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000



225.000	0.00092400	0.00182200	0.00125300	0.00000000	0.00000000	0.00000000
247.500	0.00054900	0.00193600	0.00022800	0.00000000	0.00000000	0.00000000
270.000	0.00080600	0.00102500	0.00045600	0.00000000	0.00000000	0.00000000
292.500	0.00041400	0.00102500	0.00011400	0.00000000	0.00000000	0.00000000
315.000	0.00157700	0.00182200	0.00068400	0.00000000	0.00000000	0.00000000
337.500	0.00202400	0.00307400	0.00159400	0.00000000	0.00000000	0.00000000

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA88.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLHASSE

NAME: APALACHICOLA

YEAR: 1988

YEAR: 1988

ANNUAL: STABILITY CATEGORY C

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00298600	0.01366200	0.02641200	0.00307400	0.00000000	0.00000000
22.500	0.00095200	0.00455400	0.01286500	0.00159400	0.00000000	0.00000000
45.000	0.00055600	0.00193600	0.00489600	0.00170800	0.00000000	0.00000000
67.500	0.00030400	0.00113900	0.00307400	0.00079700	0.00000000	0.00000000
90.000	0.00055600	0.00193600	0.00523700	0.00034200	0.00000000	0.00000000
112.500	0.00075600	0.00239100	0.00478200	0.00136700	0.00000000	0.00000000
135.000	0.00035600	0.00148000	0.00387100	0.00170800	0.00000000	0.00000000
157.500	0.00078300	0.00170800	0.00330200	0.00148000	0.00000000	0.00000000
180.000	0.00064200	0.00250500	0.00683100	0.00091100	0.00000000	0.00000000
202.500	0.00081800	0.00193600	0.00250500	0.00045600	0.00000000	0.00000000
225.000	0.00074900	0.00148000	0.00205000	0.00034200	0.00000000	0.00000000
247.500	0.00026900	0.00091100	0.00170800	0.00022800	0.00000000	0.00000000
270.000	0.00026900	0.00091100	0.00136700	0.00022800	0.00000000	0.00000000
292.500	0.00016600	0.00022800	0.00079700	0.00000000	0.00000000	0.00000000
315.000	0.00037300	0.00159400	0.00091100	0.00000000	0.00000000	0.00000000
337.500	0.00097300	0.00296000	0.00444000	0.00022800	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY D

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00731700	0.02572900	0.03278700	0.01445900	0.00011400	0.00000000
22.500	0.00151200	0.00671700	0.01445900	0.00432700	0.00011400	0.00000000
45.000	0.00209500	0.00535100	0.00694500	0.00284700	0.00000000	0.00000000
67.500	0.00066400	0.00273300	0.00307400	0.00079700	0.00000000	0.00000000
90.000	0.00111000	0.00398500	0.00569300	0.00045600	0.00011400	0.00000000
112.500	0.00112700	0.00409900	0.00489600	0.00296000	0.00011400	0.00000000
135.000	0.00085200	0.00489600	0.00614800	0.00819700	0.00034200	0.00000000
157.500	0.00173300	0.00466800	0.01252300	0.00580700	0.00045600	0.00000000
180.000	0.00215200	0.00751400	0.00888000	0.00364300	0.00034200	0.00000000
202.500	0.00105600	0.00273300	0.00113900	0.00068400	0.00011400	0.00000000

225.000	0.00125400	0.00318800	0.00284700	0.00091100	0.00000000	0.00000000
247.500	0.00067400	0.00102500	0.00057000	0.00022800	0.00000000	0.00000000
270.000	0.00059400	0.00136700	0.00091100	0.00068400	0.00000000	0.00000000
292.500	0.00026500	0.00091100	0.00068400	0.00022800	0.00000000	0.00000000
315.000	0.00048000	0.00148000	0.00057000	0.00022800	0.00000000	0.00000000
337.500	0.00148500	0.00387100	0.00148000	0.00068400	0.00011400	0.00000000

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA88.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1988

YEAR: 1988

ANNUAL: STABILITY CATEGORY E

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00000000	0.01639400	0.00899400	0.00000000	0.00000000	0.00000000
22.500	0.00000000	0.00683100	0.00364300	0.00000000	0.00000000	0.00000000
45.000	0.00000000	0.00649000	0.00193600	0.00000000	0.00000000	0.00000000
67.500	0.00000000	0.00341600	0.00148000	0.00000000	0.00000000	0.00000000
90.000	0.00000000	0.00318800	0.00113900	0.00000000	0.00000000	0.00000000
112.500	0.00000000	0.00341600	0.00045600	0.00000000	0.00000000	0.00000000
135.000	0.00000000	0.00205000	0.00057000	0.00000000	0.00000000	0.00000000
157.500	0.00000000	0.00330200	0.00125300	0.00000000	0.00000000	0.00000000
180.000	0.00000000	0.00444000	0.00113900	0.00000000	0.00000000	0.00000000
202.500	0.00000000	0.00205000	0.00022800	0.00000000	0.00000000	0.00000000
225.000	0.00000000	0.00170800	0.00045600	0.00000000	0.00000000	0.00000000
247.500	0.00000000	0.00034200	0.00022800	0.00000000	0.00000000	0.00000000
270.000	0.00000000	0.00022800	0.00011400	0.00000000	0.00000000	0.00000000
292.500	0.00000000	0.00034200	0.00022800	0.00000000	0.00000000	0.00000000
315.000	0.00000000	0.00011400	0.00000000	0.00000000	0.00000000	0.00000000
337.500	0.00000000	0.00261900	0.00034200	0.00000000	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY F

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.11423900	0.03233200	0.00000000	0.00000000	0.00000000	0.00000000
22.500	0.02417200	0.00865300	0.00000000	0.00000000	0.00000000	0.00000000
45.000	0.02358800	0.00728600	0.00000000	0.00000000	0.00000000	0.00000000
67.500	0.00787900	0.00284700	0.00000000	0.00000000	0.00000000	0.00000000
90.000	0.01325700	0.00364300	0.00000000	0.00000000	0.00000000	0.00000000
112.500	0.00802600	0.00205000	0.00000000	0.00000000	0.00000000	0.00000000
135.000	0.00526500	0.00091100	0.00000000	0.00000000	0.00000000	0.00000000
157.500	0.00844800	0.00227700	0.00000000	0.00000000	0.00000000	0.00000000
180.000	0.01340400	0.00284700	0.00000000	0.00000000	0.00000000	0.00000000
202.500	0.00987900	0.00182200	0.00000000	0.00000000	0.00000000	0.00000000

225.000	0.00945600	0.00159400	0.00000000	0.00000000	0.00000000	0.00000000
247.500	0.00765300	0.00079700	0.00000000	0.00000000	0.00000000	0.00000000
270.000	0.00981400	0.00091100	0.00000000	0.00000000	0.00000000	0.00000000
292.500	0.00508600	0.00011400	0.00000000	0.00000000	0.00000000	0.00000000
315.000	0.00960300	0.00079700	0.00000000	0.00000000	0.00000000	0.00000000
337.500	0.03579300	0.00580700	0.00000000	0.00000000	0.00000000	0.00000000

SUM OF FREQUENCIES, FTOTAL = 1.00013



\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-911.00	-811.00	-711.00	X-COORD (METERS)		-411.00	-311.00	-211.00	-111.00
794.00	0.020073	0.020728	0.021463	0.022289	0.023212	0.024232	0.025498	0.027909	0.030794
694.00	0.020470	0.020965	0.021739	0.022629	0.023651	0.024810	0.026196	0.028402	0.031811
594.00	0.021175	0.021426	0.022030	0.022994	0.024146	0.025531	0.026926	0.028977	0.032708
494.00	0.021976	0.022280	0.022599	0.023382	0.024645	0.026091	0.027985	0.030438	0.034587
394.00	0.022882	0.023273	0.023695	0.024156	0.025042	0.026894	0.029595	0.033193	0.037875
294.00	0.023897	0.024417	0.025021	0.025467	0.026124	0.027996	0.032274	0.038004	0.043872
194.00	0.025051	0.025702	0.026423	0.027273	0.028717	0.030915	0.035496	0.042930	0.052965
94.00	0.025706	0.026562	0.027919	0.029679	0.032138	0.036082	0.040266	0.048082	0.064103
-6.00	0.026726	0.027682	0.028844	0.030867	0.034802	0.041596	0.048853	0.058179	0.076117
-106.00	0.027809	0.028953	0.030333	0.032988	0.037085	0.043049	0.053968	0.078291	0.107886
-206.00	0.028938	0.030252	0.031827	0.034885	0.039252	0.045591	0.056995	0.078067	0.129661
-306.00	0.027887	0.028941	0.030115	0.032419	0.035627	0.039766	0.046447	0.057262	0.105165
-406.00	0.025235	0.025871	0.026512	0.027982	0.029822	0.033138	0.045489	0.068973	0.121264
-506.00	0.022669	0.022992	0.023165	0.026017	0.031774	0.039996	0.052363	0.076323	0.113756
-606.00	0.020387	0.022587	0.025486	0.029561	0.036204	0.045669	0.058334	0.075428	0.105160
-706.00	0.022420	0.024991	0.028873	0.033849	0.040748	0.049888	0.059371	0.072187	0.115459
-806.00	0.024977	0.028561	0.032919	0.038188	0.043833	0.050320	0.058786	0.069733	0.118727
-906.00	0.028200	0.031936	0.036363	0.041090	0.045417	0.050242	0.057393	0.075234	0.119218
-1006.00	0.031029	0.034815	0.038771	0.042350	0.046383	0.051103	0.056737	0.081091	0.115943
-1106.00	0.033455	0.036839	0.039865	0.043225	0.047237	0.051804	0.059228	0.085767	0.115938
-1206.00	0.035172	0.037791	0.040666	0.044171	0.048111	0.052508	0.066164	0.089465	0.116437
-1306.00	0.036003	0.038511	0.041634	0.045109	0.048953	0.053255	0.071297	0.092195	0.116891
-1406.00	0.036648	0.039462	0.042571	0.045988	0.049717	0.058003	0.075041	0.094686	0.116949

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
INCLUDING SOURCE(S): 1407 , GEN03 , \*\*\*

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	189.00	289.00	389.00	489.00	589.00	689.00	789.00
794.00	0.033827	0.035204	0.033825	0.028751	0.023877	0.019858	0.017748	0.016435	0.015956
694.00	0.035294	0.036726	0.034652	0.028778	0.023218	0.019846	0.017716	0.016921	0.016395
594.00	0.036818	0.038200	0.035222	0.028352	0.022239	0.019850	0.018092	0.017433	0.016857
494.00	0.040117	0.041659	0.037010	0.028445	0.022663	0.019942	0.018631	0.017949	0.016996
394.00	0.045515	0.046863	0.039609	0.028326	0.023958	0.020885	0.019437	0.017986	0.016386
294.00	0.052566	0.053541	0.041808	0.029294	0.025022	0.022317	0.020090	0.017213	0.015446
194.00	0.064180	0.064596	0.043779	0.032172	0.026393	0.022795	0.018861	0.016171	0.013702
94.00	0.082922	0.081418	0.047554	0.037792	0.027747	0.021035	0.016979	0.013808	0.011709
-6.00	0.124084	0.109381	0.062847	0.040031	0.025094	0.018146	0.014203	0.012482	0.011366
-106.00	0.183029	0.151066	0.077995	0.029981	0.022570	0.016773	0.013818	0.012158	0.011563
-206.00	0.455498	0.266248	0.076040	0.034406	0.021557	0.016525	0.014360	0.012977	0.012184
-306.00	0.366376	0.232605	0.030415	0.019472	0.016066	0.013434	0.012130	0.011251	0.010802
-406.00	0.297484	0.342469	0.163796	0.021831	0.013560	0.009464	0.008510	0.008384	0.008359
-506.00	0.256850	0.290785	0.128255	0.030256	0.015752	0.011387	0.008683	0.006967	0.006290
-606.00	0.225179	0.252890	0.136703	0.040831	0.020147	0.013101	0.010369	0.008406	0.007081
-706.00	0.197406	0.221559	0.145266	0.049022	0.023043	0.016153	0.011689	0.009670	0.008349
-806.00	0.180046	0.200932	0.145759	0.057781	0.025624	0.018747	0.014034	0.010786	0.009453
-906.00	0.169072	0.186322	0.145483	0.076109	0.032904	0.020962	0.016642	0.013013	0.010407
-1006.00	0.157995	0.172840	0.142669	0.087120	0.038872	0.023105	0.018862	0.015378	0.012380
-1106.00	0.150952	0.163805	0.139896	0.093874	0.051048	0.027873	0.021190	0.017779	0.014696
-1206.00	0.145990	0.157549	0.139242	0.099718	0.062562	0.033513	0.023404	0.020019	0.016894
-1306.00	0.143072	0.154159	0.140224	0.105415	0.072190	0.041749	0.026494	0.021998	0.018902
-1406.00	0.140332	0.150905	0.140260	0.109337	0.079479	0.051646	0.031456	0.023715	0.020690

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	889.00	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00
794.00	0.015526	0.015140	0.014644	0.014004	0.013468
694.00	0.015930	0.015327	0.014549	0.013912	0.012952
594.00	0.016105	0.015139	0.014370	0.013271	0.012331
494.00	0.015767	0.014823	0.013556	0.012494	0.011602
394.00	0.015227	0.013766	0.012564	0.011578	0.010764
294.00	0.013798	0.012470	0.011396	0.010531	0.009919
194.00	0.012076	0.010951	0.010379	0.010009	0.009688
94.00	0.010947	0.010452	0.010096	0.009824	0.009652
-6.00	0.010640	0.010347	0.010157	0.009969	0.009778
-106.00	0.010979	0.010637	0.010380	0.010165	0.009944
-206.00	0.011467	0.011010	0.010677	0.010417	0.010155
-306.00	0.010346	0.010043	0.009846	0.009700	0.009527
-406.00	0.008402	0.008424	0.008461	0.008481	0.008446
-506.00	0.006687	0.006955	0.007177	0.007332	0.007413
-606.00	0.006262	0.005899	0.006051	0.006284	0.006454
-706.00	0.007394	0.006685	0.006109	0.005693	0.005607
-806.00	0.008434	0.007620	0.006943	0.006368	0.005876
-906.00	0.009356	0.008479	0.007734	0.007096	0.006545
-1006.00	0.010148	0.009243	0.008463	0.007784	0.007190
-1106.00	0.011969	0.009914	0.009119	0.008418	0.007794
-1206.00	0.014079	0.011586	0.009701	0.008989	0.008348
-1306.00	0.016065	0.013508	0.011230	0.009495	0.008848
-1406.00	0.017877	0.015302	0.012975	0.010891	0.009290

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-5311.00	-4811.00	-4311.00	X-COORD (METERS) -3811.00	-3311.00	-2811.00	-2311.00	-1811.00	-1311.00
5194.00	0.007456	0.007997	0.008589	0.009227	0.009917	0.010653	0.011425	0.012148	0.012846
4694.00	0.007773	0.007994	0.008606	0.009281	0.010018	0.010817	0.011665	0.012540	0.013359
4194.00	0.008115	0.008355	0.008617	0.009326	0.010112	0.010976	0.011909	0.012895	0.013899
3694.00	0.008474	0.008750	0.009044	0.009368	0.010201	0.011132	0.012155	0.013258	0.014445
3194.00	0.008851	0.009173	0.009521	0.009890	0.010292	0.011287	0.012404	0.013635	0.014949
2694.00	0.009248	0.009624	0.010035	0.010480	0.010949	0.011452	0.012654	0.014020	0.015521
2194.00	0.009659	0.010098	0.010588	0.011126	0.011705	0.012298	0.012930	0.014412	0.016126
1694.00	0.010055	0.010581	0.011172	0.011825	0.012542	0.013297	0.014057	0.014890	0.016737
1194.00	0.010437	0.011010	0.011694	0.012513	0.013456	0.014425	0.015446	0.016408	0.017364
694.00	0.010815	0.011434	0.012180	0.013084	0.014168	0.015467	0.016990	0.018403	0.019614
194.00	0.011176	0.011835	0.012636	0.013617	0.014820	0.016297	0.018072	0.020175	0.022554
-306.00	0.011440	0.012113	0.012934	0.013949	0.015209	0.016790	0.018742	0.021219	0.024395
-806.00	0.010606	0.011136	0.011765	0.012511	0.013386	0.014382	0.015419	0.016363	0.017626
-1306.00	0.009768	0.010157	0.010597	0.011089	0.011611	0.012104	0.013352	0.014964	0.016750
-1806.00	0.008959	0.009218	0.009492	0.009769	0.011008	0.013812	0.017774	0.023525	0.031001
-2306.00	0.008203	0.008488	0.009633	0.011451	0.013827	0.016975	0.021199	0.026302	0.033656
-2806.00	0.008706	0.009996	0.011594	0.013596	0.016128	0.019339	0.023065	0.028044	0.034582
-3306.00	0.010200	0.011607	0.013310	0.015387	0.017926	0.020781	0.024254	0.028736	0.034281
-3806.00	0.011558	0.013030	0.014773	0.016842	0.019116	0.021643	0.024820	0.028718	0.034990
-4306.00	0.012767	0.014262	0.015995	0.017869	0.019767	0.022103	0.024936	0.028293	0.037886
-4806.00	0.013826	0.015311	0.016898	0.018371	0.020151	0.022278	0.024782	0.027981	0.040340
-5306.00	0.014709	0.016113	0.017293	0.018690	0.020338	0.022259	0.024467	0.029319	0.041988
-5806.00	0.015386	0.016395	0.017556	0.018869	0.020384	0.022115	0.024064	0.031713	0.043108

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)								
	-811.00	-311.00	189.00	689.00	1189.00	1689.00	2189.00	2689.00	3189.00
5194.00	0.013584	0.014341	0.014979	0.013041	0.011108	0.009255	0.007539	0.006662	0.006516
4694.00	0.014239	0.015152	0.015918	0.013639	0.011373	0.009224	0.007323	0.006943	0.006772
4194.00	0.014971	0.016100	0.017046	0.014316	0.011617	0.009097	0.007487	0.007269	0.007065
3694.00	0.015776	0.017210	0.018417	0.015073	0.011802	0.008831	0.007916	0.007649	0.007402
3194.00	0.016624	0.018489	0.020072	0.015879	0.011838	0.008773	0.008422	0.008090	0.007787
2694.00	0.017452	0.019949	0.022098	0.016678	0.011590	0.009458	0.009008	0.008596	0.008163
2194.00	0.018173	0.021554	0.024540	0.017271	0.011160	0.010259	0.009691	0.009079	0.007760
1694.00	0.018949	0.023147	0.027413	0.017265	0.012001	0.011169	0.010307	0.008538	0.007170
1194.00	0.019888	0.024503	0.030729	0.016265	0.013258	0.011887	0.009423	0.007678	0.006374
694.00	0.020965	0.026196	0.034652	0.016921	0.013912	0.010138	0.007987	0.006861	0.006214
194.00	0.025702	0.035496	0.043779	0.016171	0.010009	0.008869	0.007975	0.007170	0.006507
-306.00	0.028941	0.046447	0.030415	0.011251	0.009700	0.008821	0.007999	0.007253	0.006623
-806.00	0.028561	0.058786	0.145759	0.010786	0.006368	0.005456	0.005645	0.005520	0.005291
-1306.00	0.038511	0.071297	0.140224	0.021998	0.009495	0.006763	0.005038	0.003984	0.004034
-1806.00	0.042406	0.084241	0.135933	0.038458	0.016478	0.008423	0.006450	0.005044	0.004029
-2306.00	0.043973	0.087240	0.126196	0.058450	0.020578	0.012878	0.007364	0.005906	0.004799
-2806.00	0.049219	0.085757	0.115959	0.066401	0.023957	0.015859	0.010493	0.006441	0.005353
-3306.00	0.053586	0.082847	0.107072	0.069138	0.033988	0.017574	0.012753	0.008800	0.005719
-3806.00	0.055513	0.079311	0.099156	0.069181	0.040630	0.018522	0.014307	0.010661	0.007620
-4306.00	0.056153	0.075946	0.092609	0.068215	0.044584	0.023216	0.015375	0.012073	0.009206
-4806.00	0.056142	0.072932	0.087214	0.066872	0.046950	0.028505	0.016127	0.013156	0.010492
-5306.00	0.055819	0.070311	0.082770	0.065457	0.048377	0.032294	0.017881	0.013997	0.011540
-5806.00	0.055348	0.068044	0.079067	0.064083	0.049225	0.035060	0.022023	0.014662	0.012400

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1988 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD | X-COORD (METERS)  
(METERS) | 3689.00 4189.00 4689.00 5189.00 5689.00

5194.00	0.006381	0.006256	0.006142	0.006026	0.005902
4694.00	0.006614	0.006470	0.006339	0.006203	0.005724
4194.00	0.006878	0.006709	0.006535	0.005986	0.005505
3694.00	0.007178	0.006947	0.006289	0.005721	0.005233
3194.00	0.007474	0.006666	0.005981	0.005404	0.004918
2694.00	0.007146	0.006301	0.005605	0.005032	0.004560
2194.00	0.006696	0.005841	0.005156	0.004606	0.004162
1694.00	0.006109	0.005284	0.004648	0.004281	0.004102
1194.00	0.005469	0.005014	0.004706	0.004460	0.004263
694.00	0.005679	0.005253	0.004915	0.004645	0.004429
194.00	0.005937	0.005481	0.005118	0.004828	0.004595
-306.00	0.006063	0.005610	0.005247	0.004955	0.004718
-806.00	0.005013	0.004756	0.004535	0.004348	0.004191
-1306.00	0.003996	0.003919	0.003831	0.003745	0.003667
-1806.00	0.003296	0.003149	0.003172	0.003174	0.003166
-2306.00	0.003975	0.003360	0.002898	0.002655	0.002703
-2806.00	0.004507	0.003852	0.003345	0.002950	0.002640
-3306.00	0.004901	0.004246	0.003721	0.003302	0.002965
-3806.00	0.005181	0.004550	0.004031	0.003605	0.003254
-4306.00	0.006777	0.004782	0.004282	0.003862	0.003507
-4806.00	0.008162	0.006160	0.004484	0.004077	0.003728
-5306.00	0.009334	0.007389	0.005697	0.004257	0.003906
-5806.00	0.010326	0.008458	0.006798	0.005327	0.004054

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE: 1407 \*\*\*

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

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.126552	AT (	189.00, -406.00) GC	6.	0.071680	AT (	189.00, -606.00) GC
2.	0.093097	AT (	189.00, -506.00) GC	7.	0.071475	AT (	189.00, -1806.00) GC
3.	0.075568	AT (	189.00, -2306.00) GC	8.	0.070629	AT (	189.00, -3806.00) GC
4.	0.075131	AT (	189.00, -2806.00) GC	9.	0.068117	AT (	189.00, -4306.00) GC
5.	0.073265	AT (	189.00, -3306.00) GC	10.	0.065897	AT (	189.00, -4806.00) GC

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE: GEN03 \*\*\*

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.438060	AT (	-11.00, -206.00) GC	6.	0.238961	AT (	-11.00, -506.00) GC
2.	0.351596	AT (	-11.00, -306.00) GC	7.	0.228906	AT (	89.00, -206.00) GC
3.	0.314321	AT (	89.00, -406.00) GC	8.	0.215359	AT (	89.00, -306.00) GC
4.	0.286119	AT (	-11.00, -406.00) GC	9.	0.215126	AT (	89.00, -606.00) GC
5.	0.256209	AT (	89.00, -506.00) GC	10.	0.203149	AT (	-11.00, -606.00) GC

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

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1988 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.455498	AT (	-11.00, -206.00) GC	6.	0.266248	AT (	89.00, -206.00) GC
2.	0.366376	AT (	-11.00, -306.00) GC	7.	0.256850	AT (	-11.00, -506.00) GC
3.	0.342469	AT (	89.00, -406.00) GC	8.	0.252890	AT (	89.00, -606.00) GC
4.	0.297484	AT (	-11.00, -406.00) GC	9.	0.232605	AT (	89.00, -306.00) GC
5.	0.290785	AT (	89.00, -506.00) GC	10.	0.225179	AT (	-11.00, -606.00) GC

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



\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* SOURCE 1407 CONTRIBUTIONS TO THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*

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

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.017439	AT (	-11.00, -206.00) GC	6.	0.037342	AT (	89.00, -206.00) GC
2.	0.014780	AT (	-11.00, -306.00) GC	7.	0.017889	AT (	-11.00, -506.00) GC
3.	0.028148	AT (	89.00, -406.00) GC	8.	0.037764	AT (	89.00, -606.00) GC
4.	0.011364	AT (	-11.00, -406.00) GC	9.	0.017246	AT (	89.00, -306.00) GC
5.	0.034576	AT (	89.00, -506.00) GC	10.	0.022030	AT (	-11.00, -606.00) GC

\*\*\* SOURCE GEN03 CONTRIBUTIONS TO THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.438060	AT (	-11.00, -206.00) GC	6.	0.228906	AT (	89.00, -206.00) GC
2.	0.351596	AT (	-11.00, -306.00) GC	7.	0.238961	AT (	-11.00, -506.00) GC
3.	0.314321	AT (	89.00, -406.00) GC	8.	0.215126	AT (	89.00, -606.00) GC
4.	0.286119	AT (	-11.00, -406.00) GC	9.	0.215359	AT (	89.00, -306.00) GC
5.	0.256209	AT (	89.00, -506.00) GC	10.	0.203149	AT (	-11.00, -606.00) GC

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

\*\*\* ISCLT3 - VERSION 96113 \*\*\*      \*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1988 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38'      \*\*\*

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\*\*\* MODELING OPTIONS USED:    CONC    RURAL    FLAT                    DFAULT

\*\*\* Message Summary : ISCLT3 Model Execution \*\*\*

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

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

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

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

\*\*\*\*\*  
\*\*\* ISCLT3 Finishes Successfully \*\*\*  
\*\*\*\*\*

**ISCLT3 NO<sub>x</sub> 1989**

\*\* The results for this run are in file 14LT89D.OUT

CO STARTING

TITLEONE FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx  
TITLETWO Revised building height = 38'  
MODELOPT DFAULT CONC RURAL  
AVERTIME ANNUAL  
POLLUTID NOX  
RUNORNOT RUN

CO FINISHED

SO STARTING

SO LOCATION 1407 POINT 189.36 -305.90

** Parameters	QS	HS	TS	VS	DS
**	-----	-----	-----	-----	-----
SO SRCPARAM 1407	1.109	17.68	718.1	13.85	2.66

SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58		
SO BUILDWID 1407	27.06	26.26	26.33	27.03	23.63	16.62
SO BUILDWID 1407	16.81	23.74	27.06	26.26	26.33	27.03
SO BUILDWID 1407	23.63	16.62	16.81	23.74		

SO LOCATION GEN03 POINT 50.98 -206.27

** Parameters	QS	HS	TS	VS	DS
**	-----	-----	-----	-----	-----
SO SRCPARAM GEN03	0.020	6.10	644.26	45.49	0.2

SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88		
SO BUILDWID GEN03	60.78	105.12	133.46	141.48	127.96	94.96
SO BUILDWID GEN03	47.50	7.19	60.78	105.12	133.46	141.48
SO BUILDWID GEN03	127.96	94.95	47.50	7.19		

SO SRCGROUP ALL

SO FINISHED

RE STARTING

GRIDCART 100MGrid STA  
GRIDCART 100MGrid XYINC -911 23 100 -1406 23 100  
GRIDCART 100MGrid END  
GRIDCART 500MGrid STA  
GRIDCART 500MGrid XYINC -5311 23 500 -5806 23 500  
GRIDCART 500MGrid END

RE FINISHED

ME STARTING  
 INPUTFIL TALLA89.STA  
 ANEMHGHT 10.  
 SURFDATA 93805 1989 TALLAHASSE  
 UAIRDATA 12832 1989 APALACHICOLA  
 STARDATA ANNUAL

\*\* - AMBIENT AIR TEMPERATURE (DEGREES KELVIN) -  
 \*\*  
 \*\* STAB STAB STAB STAB STAB STAB  
 \*\* CAT 1 CAT 2 CAT 3 CAT 4 CAT 5 CAT 6  
 \*\* -----  
 AVETEMPS ANNUAL 299.1 299.1 299.1 292.7 286.3 286.3

\*\* - MIXING LAYER HEIGHT (METERS) -  
 \*\* S  
 \*\* T WS WS WS WS WS WS  
 \*\* SEAS A CAT 1 CAT 2 CAT 3 CAT 4 CAT 5 CAT 6  
 \*\* ---- B -----  
 AVEMIXHT ANNUAL 1 .195E+04 .195E+04 .195E+04 .195E+04 .195E+04 .195E+04 .195E+04  
 AVEMIXHT ANNUAL 2 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04  
 AVEMIXHT ANNUAL 3 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04  
 AVEMIXHT ANNUAL 4 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04  
 AVEMIXHT ANNUAL 5 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05  
 AVEMIXHT ANNUAL 6 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05

ME FINISHED

OU STARTING  
 RECTABLE SRCGRP  
 MAXTABLE 10 INDSRC SRCGRP SOCONT  
 OU FINISHED

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

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx \*\*\*

11/26/99

\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

---  
\*\*Model Is Setup For Calculation of Average CONCentration Values.  
\*\*Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

\*\*Model Uses NO plume DEPLETION.

\*\*Model Uses RURAL Dispersion.

\*\*Model Uses Regulatory DEFAULT Options:

1. Final Plume Rise.
2. Stack-tip Downwash.
3. Buoyancy-induced Dispersion.
4. Default Wind Profile Exponents.
5. Default Vertical Potential Temperature Gradients.
6. "Upper Bound" Values For Supersquat Buildings.
7. No Exponential Decay for RURAL Mode

\*\*Model Assumes Receptors on FLAT Terrain.

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*Model Calculates 1 STAR Average(s) for the Following Months: 0 0 0 0 0 0 0 0 0 0 0 0  
Seasons/Quarters: 0 0 0 0  
and Annual: 1

\*\*Data File Includes 1 STAR Summaries for the Following Months: 0 0 0 0 0 0 0 0 0 0 0 0  
Seasons/Quarters: 0 0 0 0  
and Annual: 1

\*\*This Run Includes: 2 Source(s); 1 Source Group(s); and 1058 Receptor(s)

\*\*The Model Assumes A Pollutant Type of: NOX

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

\*\*Output Options Selected:

Model Outputs Tables of Long Term Values by Receptor (RECTABLE Keyword)  
Model Outputs Tables of Maximum Long Term Values (MAXTABLE Keyword)

\*\*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: 14LT89d.IN ; \*\*Output Print File: 14LT89d.OUT

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
1407	0	0.11090E+01	189.4	-305.9	0.0	17.68	718.10	13.85	2.66	YES	
GEN03	0	0.20000E-01	51.0	-206.3	0.0	6.10	644.26	45.49	0.20	YES	

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

GROUP ID

SOURCE IDs

ALL 1407 , GEN03 ,

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: 1407

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	11.6,	27.1,	0	2	11.6,	26.3,	0	3	11.6,	26.3,	0	4	11.6,	27.0,	0
5	11.6,	23.6,	0	6	11.6,	16.6,	0	7	11.6,	16.8,	0	8	11.6,	23.7,	0
9	11.6,	27.1,	0	10	11.6,	26.3,	0	11	11.6,	26.3,	0	12	11.6,	27.0,	0
13	11.6,	23.6,	0	14	11.6,	16.6,	0	15	11.6,	16.8,	0	16	11.6,	23.7,	0

SOURCE ID: GEN03

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	9.9,	60.8,	0	2	9.9,	105.1,	0	3	9.9,	133.5,	0	4	9.9,	141.5,	0
5	9.9,	128.0,	0	6	9.9,	95.0,	0	7	9.9,	47.5,	0	8	9.9,	7.2,	0
9	9.9,	60.8,	0	10	9.9,	105.1,	0	11	9.9,	133.5,	0	12	9.9,	141.5,	0
13	9.9,	128.0,	0	14	9.9,	95.0,	0	15	9.9,	47.5,	0	16	9.9,	7.2,	0

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-911.0,	-811.0,	-711.0,	-611.0,	-511.0,	-411.0,	-311.0,	-211.0,	-111.0,	-11.0,
89.0,	189.0,	289.0,	389.0,	489.0,	589.0,	689.0,	789.0,	889.0,	989.0,
1089.0,	1189.0,	1289.0,							

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-1406.0,	-1306.0,	-1206.0,	-1106.0,	-1006.0,	-906.0,	-806.0,	-706.0,	-606.0,	-506.0,
-406.0,	-306.0,	-206.0,	-106.0,	-6.0,	94.0,	194.0,	294.0,	394.0,	494.0,
594.0,	694.0,	794.0,							



\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-5311.0,	-4811.0,	-4311.0,	-3811.0,	-3311.0,	-2811.0,	-2311.0,	-1811.0,	-1311.0,	-811.0,
-311.0,	189.0,	689.0,	1189.0,	1689.0,	2189.0,	2689.0,	3189.0,	3689.0,	4189.0,
4689.0,	5189.0,	5689.0,							

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-5806.0,	-5306.0,	-4806.0,	-4306.0,	-3806.0,	-3306.0,	-2806.0,	-2306.0,	-1806.0,	-1306.0,
-806.0,	-306.0,	194.0,	694.0,	1194.0,	1694.0,	2194.0,	2694.0,	3194.0,	3694.0,
4194.0,	4694.0,	5194.0,							

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
LESS THAN 1.0 METER OR 3\*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS) YR (METERS)	DISTANCE (METERS)
1407	189.0 -306.0	0.37
1407	189.0 -306.0	0.37

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* AVERAGE SPEED FOR EACH WIND SPEED CATEGORY \*\*\*  
 (METERS/SEC)

1.50, 2.50, 4.30, 6.80, 9.50, 12.50,

\*\*\* WIND PROFILE EXPONENTS \*\*\*

STABILITY CATEGORY	WIND SPEED 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 CATEGORY	WIND SPEED 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

\*\*\* AVERAGE AMBIENT AIR TEMPERATURE (KELVIN) \*\*\*

	STABILITY CATEGORY A	STABILITY CATEGORY B	STABILITY CATEGORY C	STABILITY CATEGORY D	STABILITY CATEGORY E	STABILITY CATEGORY F
ANNUAL	299.1000	299.1000	299.1000	292.7000	286.3000	286.3000

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* AVERAGE MIXING LAYER HEIGHT (METERS) \*\*\*

	ANNUAL					
	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED
	CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4	CATEGORY 5	CATEGORY 6
STABILITY CATEGORY A	1949.9999	1949.9999	1949.9999	1949.9999	1949.9999	1949.9999
STABILITY CATEGORY B	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY C	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY D	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY E	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000
STABILITY CATEGORY F	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA89.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1989

YEAR: 1989

ANNUAL: STABILITY CATEGORY A

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00045000	0.00182700	0.00000000	0.00000000	0.00000000	0.00000000
22.500	0.00061700	0.00102800	0.00000000	0.00000000	0.00000000	0.00000000
45.000	0.00035200	0.00091400	0.00000000	0.00000000	0.00000000	0.00000000
67.500	0.00006200	0.00057100	0.00000000	0.00000000	0.00000000	0.00000000
90.000	0.00056800	0.00057100	0.00000000	0.00000000	0.00000000	0.00000000
112.500	0.00015200	0.00022900	0.00000000	0.00000000	0.00000000	0.00000000
135.000	0.00030300	0.00045700	0.00000000	0.00000000	0.00000000	0.00000000
157.500	0.00058000	0.00068500	0.00000000	0.00000000	0.00000000	0.00000000
180.000	0.00055200	0.00159900	0.00000000	0.00000000	0.00000000	0.00000000
202.500	0.00025000	0.00114200	0.00000000	0.00000000	0.00000000	0.00000000
225.000	0.00029000	0.00034300	0.00000000	0.00000000	0.00000000	0.00000000
247.500	0.00037600	0.00114200	0.00000000	0.00000000	0.00000000	0.00000000
270.000	0.00045000	0.00182700	0.00000000	0.00000000	0.00000000	0.00000000
292.500	0.00007400	0.00068500	0.00000000	0.00000000	0.00000000	0.00000000
315.000	0.00032700	0.00068500	0.00000000	0.00000000	0.00000000	0.00000000
337.500	0.00020100	0.00068500	0.00000000	0.00000000	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY B

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00335900	0.00787700	0.00719200	0.00000000	0.00000000	0.00000000
22.500	0.00198100	0.00559400	0.00353900	0.00000000	0.00000000	0.00000000
45.000	0.00219100	0.00399600	0.00285400	0.00000000	0.00000000	0.00000000
67.500	0.00117400	0.00274000	0.00205500	0.00000000	0.00000000	0.00000000
90.000	0.00130000	0.00274000	0.00159900	0.00000000	0.00000000	0.00000000
112.500	0.00183000	0.00296900	0.00091400	0.00000000	0.00000000	0.00000000
135.000	0.00144400	0.00171300	0.00102800	0.00000000	0.00000000	0.00000000
157.500	0.00172100	0.00194100	0.00125600	0.00000000	0.00000000	0.00000000
180.000	0.00177700	0.00605100	0.00548000	0.00000000	0.00000000	0.00000000
202.500	0.00101200	0.00239800	0.00137000	0.00000000	0.00000000	0.00000000

225.000	0.00188300	0.00228400	0.00171300	0.00000000	0.00000000	0.00000000
247.500	0.00142700	0.00274000	0.00102800	0.00000000	0.00000000	0.00000000
270.000	0.00164300	0.00239800	0.00080000	0.00000000	0.00000000	0.00000000
292.500	0.00066300	0.00148500	0.00114200	0.00000000	0.00000000	0.00000000
315.000	0.00111400	0.00216900	0.00182700	0.00000000	0.00000000	0.00000000
337.500	0.00186000	0.00445300	0.00148500	0.00000000	0.00000000	0.00000000

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* FREQUENCY OF OCCURENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA89.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1989

YEAR: 1989

ANNUAL: STABILITY CATEGORY C

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00174800	0.00730600	0.01358500	0.00171300	0.00000000	0.00000000
22.500	0.00133400	0.00365300	0.00639300	0.00080000	0.00000000	0.00000000
45.000	0.00045600	0.00216900	0.00456700	0.00068500	0.00000000	0.00000000
67.500	0.00078100	0.00171300	0.00353900	0.00057100	0.00000000	0.00000000
90.000	0.00066700	0.00182700	0.00331100	0.00057100	0.00000000	0.00000000
112.500	0.00067900	0.00102800	0.00216900	0.00000000	0.00000000	0.00000000
135.000	0.00030800	0.00205500	0.00159900	0.00022900	0.00000000	0.00000000
157.500	0.00042200	0.00194100	0.00285400	0.00045700	0.00000000	0.00000000
180.000	0.00160700	0.00548000	0.01164400	0.00319700	0.00000000	0.00000000
202.500	0.00060400	0.00228400	0.00251200	0.00045700	0.00000000	0.00000000
225.000	0.00071800	0.00216900	0.00239800	0.00045700	0.00000000	0.00000000
247.500	0.00060400	0.00228400	0.00228400	0.00068500	0.00000000	0.00000000
270.000	0.00127700	0.00239800	0.00137000	0.00011500	0.00000000	0.00000000
292.500	0.00065000	0.00171300	0.00114200	0.00000000	0.00000000	0.00000000
315.000	0.00060400	0.00228400	0.00102800	0.00000000	0.00000000	0.00000000
337.500	0.00090600	0.00342500	0.00468100	0.00045700	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY D

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00548000	0.02283200	0.01837900	0.01095900	0.00011500	0.00000000
22.500	0.00251700	0.01084500	0.01210100	0.00308300	0.00000000	0.00000000
45.000	0.00247300	0.00890500	0.01232900	0.00399600	0.00000000	0.00000000
67.500	0.00108100	0.00513700	0.00662200	0.00102800	0.00000000	0.00000000
90.000	0.00200200	0.00593700	0.00411000	0.00057100	0.00000000	0.00000000
112.500	0.00128400	0.00308300	0.00194100	0.00011500	0.00000000	0.00000000
135.000	0.00192400	0.00627900	0.00274000	0.00080000	0.00000000	0.00000000
157.500	0.00148300	0.00433800	0.00525200	0.00285400	0.00011500	0.00000000
180.000	0.00576400	0.01712400	0.01849400	0.01267200	0.00068500	0.00000000
202.500	0.00267400	0.00433800	0.00490900	0.00194100	0.00011500	0.00000000

225.000	0.00130200	0.00319700	0.00251200	0.00068500	0.00011500	0.00000000
247.500	0.00149400	0.00274000	0.00262600	0.00182700	0.00000000	0.00000000
270.000	0.00160300	0.00342500	0.00102800	0.00022900	0.00000000	0.00000000
292.500	0.00163200	0.00194100	0.00205500	0.00034300	0.00000000	0.00000000
315.000	0.00144700	0.00411000	0.00262600	0.00137000	0.00000000	0.00000000
337.500	0.00306200	0.00844800	0.00433800	0.00274000	0.00000000	0.00000000

\*\*\* ISCLT3 - VERSION 96113 \*\*\* \*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx \*\*\*  
 \*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA89.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1989

YEAR: 1989

ANNUAL: STABILITY CATEGORY E

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00000000	0.00993200	0.00719200	0.00000000	0.00000000	0.00000000
22.500	0.00000000	0.00411000	0.00262600	0.00000000	0.00000000	0.00000000
45.000	0.00000000	0.00365300	0.00228400	0.00000000	0.00000000	0.00000000
67.500	0.00000000	0.00353900	0.00182700	0.00000000	0.00000000	0.00000000
90.000	0.00000000	0.00296900	0.00091400	0.00000000	0.00000000	0.00000000
112.500	0.00000000	0.00182700	0.00022900	0.00000000	0.00000000	0.00000000
135.000	0.00000000	0.00285400	0.00022900	0.00000000	0.00000000	0.00000000
157.500	0.00000000	0.00228400	0.00057100	0.00000000	0.00000000	0.00000000
180.000	0.00000000	0.00993200	0.00262600	0.00000000	0.00000000	0.00000000
202.500	0.00000000	0.00342500	0.00102800	0.00000000	0.00000000	0.00000000
225.000	0.00000000	0.00137000	0.00057100	0.00000000	0.00000000	0.00000000
247.500	0.00000000	0.00205500	0.00034300	0.00000000	0.00000000	0.00000000
270.000	0.00000000	0.00114200	0.00000000	0.00000000	0.00000000	0.00000000
292.500	0.00000000	0.00057100	0.00011500	0.00000000	0.00000000	0.00000000
315.000	0.00000000	0.00125600	0.00080000	0.00000000	0.00000000	0.00000000
337.500	0.00000000	0.00274000	0.00285400	0.00000000	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY F

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.05887300	0.02020600	0.00000000	0.00000000	0.00000000	0.00000000
22.500	0.00648700	0.00285400	0.00000000	0.00000000	0.00000000	0.00000000
45.000	0.00579100	0.00137000	0.00000000	0.00000000	0.00000000	0.00000000
67.500	0.01004600	0.00365300	0.00000000	0.00000000	0.00000000	0.00000000
90.000	0.00954800	0.00228400	0.00000000	0.00000000	0.00000000	0.00000000
112.500	0.00403700	0.00125600	0.00000000	0.00000000	0.00000000	0.00000000
135.000	0.00364300	0.00102800	0.00000000	0.00000000	0.00000000	0.00000000
157.500	0.00403700	0.00125600	0.00000000	0.00000000	0.00000000	0.00000000
180.000	0.02714900	0.00616500	0.00000000	0.00000000	0.00000000	0.00000000
202.500	0.02560200	0.00490900	0.00000000	0.00000000	0.00000000	0.00000000



225.000	0.02425300	0.00376800	0.00000000	0.00000000	0.00000000	0.00000000
247.500	0.01962500	0.00216900	0.00000000	0.00000000	0.00000000	0.00000000
270.000	0.01314900	0.00148500	0.00000000	0.00000000	0.00000000	0.00000000
292.500	0.01326300	0.00137000	0.00000000	0.00000000	0.00000000	0.00000000
315.000	0.02287300	0.00296900	0.00000000	0.00000000	0.00000000	0.00000000
337.500	0.04044300	0.01061700	0.00000000	0.00000000	0.00000000	0.00000000

SUM OF FREQUENCIES, FTOTAL = 1.00013

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)								
	-911.00	-811.00	-711.00	-611.00	-511.00	-411.00	-311.00	-211.00	-111.00
794.00	0.013272	0.013844	0.014464	0.015126	0.015820	0.016530	0.021311	0.032501	0.046371
694.00	0.013540	0.014104	0.014775	0.015501	0.016270	0.017065	0.018988	0.030310	0.046297
594.00	0.013720	0.014426	0.015166	0.015974	0.016853	0.017767	0.018626	0.028058	0.045456
494.00	0.013866	0.014620	0.015564	0.016574	0.017575	0.018530	0.019653	0.025315	0.045168
394.00	0.013962	0.014754	0.015774	0.017099	0.018348	0.019685	0.021149	0.022750	0.044167
294.00	0.013986	0.014801	0.015893	0.017167	0.019074	0.021251	0.023320	0.025699	0.042728
194.00	0.013938	0.014716	0.015735	0.017234	0.019434	0.022441	0.026080	0.029592	0.036284
94.00	0.015884	0.015814	0.015911	0.017121	0.019435	0.023046	0.028264	0.035003	0.042156
-6.00	0.018430	0.018723	0.019091	0.019710	0.020622	0.023004	0.029284	0.039589	0.054446
-106.00	0.021143	0.021930	0.022946	0.024590	0.026790	0.029957	0.035122	0.044033	0.066147
-206.00	0.023950	0.025250	0.026955	0.029694	0.033536	0.039416	0.049893	0.068872	0.113654
-306.00	0.025239	0.026707	0.028547	0.031483	0.035599	0.041627	0.052203	0.071683	0.128872
-406.00	0.025251	0.026662	0.028399	0.031317	0.035341	0.041511	0.053793	0.077648	0.121436
-506.00	0.025238	0.026673	0.028206	0.031203	0.035918	0.042993	0.054305	0.073146	0.097272
-606.00	0.025252	0.026758	0.028553	0.031104	0.035695	0.042486	0.052002	0.064333	0.082240
-706.00	0.025367	0.026865	0.028883	0.031172	0.035166	0.041352	0.048621	0.057139	0.080819
-806.00	0.025516	0.027118	0.029098	0.031590	0.034574	0.039401	0.045510	0.050890	0.078408
-906.00	0.025794	0.027361	0.029250	0.031705	0.034692	0.037844	0.041537	0.051286	0.076056
-1006.00	0.026040	0.027558	0.029484	0.031873	0.034571	0.036768	0.039087	0.052776	0.072493
-1106.00	0.026253	0.027838	0.029794	0.031981	0.033735	0.035691	0.039217	0.054364	0.071803
-1206.00	0.026541	0.028199	0.030032	0.031471	0.033081	0.034864	0.042198	0.055404	0.071224
-1306.00	0.026906	0.028485	0.029704	0.031058	0.032557	0.034251	0.044281	0.056140	0.070763
-1406.00	0.027200	0.028259	0.029427	0.030711	0.032117	0.036233	0.045677	0.057042	0.070184

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	189.00	X-COORD (METERS) 289.00	389.00	489.00	589.00	689.00	789.00
794.00	0.060967	0.070065	0.069824	0.058736	0.048031	0.038840	0.032937	0.029184	0.027646
694.00	0.063272	0.073342	0.071631	0.058753	0.046515	0.038023	0.031928	0.029460	0.027801
594.00	0.065335	0.076485	0.072804	0.057784	0.044158	0.036981	0.031718	0.029592	0.027829
494.00	0.070249	0.083552	0.076754	0.057799	0.043766	0.035769	0.031718	0.029488	0.027725
394.00	0.076934	0.093781	0.082700	0.057280	0.044599	0.035448	0.031615	0.029160	0.027490
294.00	0.084614	0.106460	0.087136	0.057118	0.043428	0.035601	0.032158	0.029014	0.027059
194.00	0.095516	0.126408	0.089689	0.058255	0.040757	0.035245	0.031932	0.029040	0.027140
94.00	0.110666	0.154622	0.092293	0.060898	0.040913	0.035658	0.031866	0.029373	0.027292
-6.00	0.122017	0.197782	0.108331	0.060859	0.044643	0.036804	0.031782	0.028747	0.026745
-106.00	0.118636	0.245829	0.139123	0.064353	0.046170	0.036017	0.030524	0.027332	0.025470
-206.00	0.374790	0.480414	0.173857	0.063256	0.045192	0.033856	0.027586	0.024234	0.023216
-306.00	0.311157	0.247655	0.064823	0.040229	0.032268	0.026308	0.023060	0.021429	0.021658
-406.00	0.220904	0.261107	0.148612	0.050783	0.033800	0.024803	0.021265	0.019734	0.019598
-506.00	0.180072	0.198635	0.116275	0.055187	0.036995	0.028527	0.023358	0.020047	0.018231
-606.00	0.149140	0.165905	0.109512	0.055495	0.039250	0.031503	0.026253	0.022579	0.019946
-706.00	0.126572	0.142896	0.106623	0.056155	0.039543	0.033106	0.028662	0.024735	0.022045
-806.00	0.112622	0.127653	0.102094	0.057482	0.039442	0.033952	0.029796	0.026677	0.023786
-906.00	0.104697	0.117070	0.098894	0.064204	0.042189	0.034580	0.030986	0.027900	0.025200
-1006.00	0.097294	0.107849	0.094932	0.067763	0.044394	0.035358	0.031773	0.028880	0.026349
-1106.00	0.092333	0.101354	0.091314	0.069293	0.048854	0.037327	0.033019	0.030161	0.027529
-1206.00	0.088605	0.096633	0.089294	0.070692	0.053377	0.039882	0.034322	0.031453	0.028744
-1306.00	0.086150	0.093758	0.088567	0.072440	0.057189	0.043418	0.035922	0.032647	0.029932
-1406.00	0.083902	0.091072	0.087463	0.073350	0.059837	0.047357	0.038141	0.033732	0.031049

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	889.00	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00
794.00	0.026311	0.025153	0.024160	0.023309	0.022556
694.00	0.026396	0.025223	0.024241	0.023387	0.022557
594.00	0.026405	0.025251	0.024270	0.023358	0.022531
494.00	0.026345	0.025198	0.024203	0.023303	0.022488
394.00	0.026154	0.025089	0.024120	0.023240	0.022443
294.00	0.025970	0.024977	0.024050	0.023198	0.022387
194.00	0.025860	0.024918	0.023923	0.022974	0.022131
94.00	0.025736	0.024524	0.023579	0.022588	0.021486
-6.00	0.025238	0.023853	0.022668	0.021534	0.020480
-106.00	0.023880	0.022625	0.021516	0.020456	0.019455
-206.00	0.022338	0.021442	0.020434	0.019420	0.018463
-306.00	0.021442	0.020874	0.019975	0.018955	0.017997
-406.00	0.019593	0.019181	0.018533	0.017777	0.017027
-506.00	0.017983	0.017597	0.017174	0.016647	0.016085
-606.00	0.017885	0.016534	0.016003	0.015599	0.015199
-706.00	0.019720	0.017838	0.016311	0.015125	0.014451
-806.00	0.021370	0.019409	0.017732	0.016283	0.015043
-906.00	0.022851	0.020808	0.019022	0.017478	0.016145
-1006.00	0.024059	0.021975	0.020143	0.018544	0.017152
-1106.00	0.025111	0.022910	0.021082	0.019467	0.018044
-1206.00	0.026227	0.023916	0.021845	0.020244	0.018818
-1306.00	0.027376	0.025002	0.022819	0.020883	0.019481
-1406.00	0.028493	0.026094	0.023869	0.021831	0.020031

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-5311.00	-4811.00	-4311.00	X-COORD (METERS)		-2811.00	-2311.00	-1811.00	-1311.00
				-3811.00	-3311.00				
5194.00	0.005019	0.005277	0.005568	0.005891	0.006253	0.006655	0.007094	0.010073	0.015151
4694.00	0.005053	0.005316	0.005623	0.005975	0.006375	0.006826	0.007327	0.008756	0.014471
4194.00	0.005079	0.005358	0.005663	0.006043	0.006484	0.006990	0.007563	0.008196	0.013437
3694.00	0.005096	0.005393	0.005725	0.006091	0.006573	0.007139	0.007791	0.008528	0.011868
3194.00	0.005106	0.005423	0.005783	0.006188	0.006634	0.007259	0.007997	0.008852	0.010046
2694.00	0.005110	0.005446	0.005835	0.006281	0.006784	0.007338	0.008155	0.009132	0.010273
2194.00	0.005108	0.005463	0.005881	0.006368	0.006929	0.007560	0.008248	0.009340	0.010668
1694.00	0.005593	0.005632	0.005920	0.006448	0.007068	0.007777	0.008577	0.009462	0.010946
1194.00	0.006497	0.006649	0.006810	0.006970	0.007201	0.007994	0.008906	0.009933	0.011132
694.00	0.007455	0.007740	0.008069	0.008443	0.008843	0.009238	0.009526	0.010396	0.011783
194.00	0.008434	0.008864	0.009379	0.009999	0.010735	0.011599	0.012552	0.013496	0.014064
-306.00	0.009364	0.009926	0.010614	0.011465	0.012526	0.013868	0.015567	0.017807	0.020984
-806.00	0.009617	0.010208	0.010928	0.011813	0.012914	0.014295	0.016037	0.018321	0.021470
-1306.00	0.009861	0.010473	0.011213	0.012119	0.013235	0.014618	0.016306	0.018791	0.022365
-1806.00	0.010085	0.010708	0.011453	0.012354	0.013422	0.014931	0.016910	0.019528	0.023386
-2306.00	0.010281	0.010891	0.011628	0.012569	0.013762	0.015290	0.017239	0.019998	0.022742
-2806.00	0.010413	0.011038	0.011804	0.012752	0.013934	0.015405	0.017392	0.019378	0.021796
-3306.00	0.010503	0.011133	0.011895	0.012823	0.013956	0.015434	0.016905	0.018660	0.020674
-3806.00	0.010545	0.011167	0.011909	0.012797	0.013928	0.015055	0.016362	0.017857	0.020518
-4306.00	0.010544	0.011149	0.011860	0.012747	0.013629	0.014637	0.015779	0.017053	0.022057
-4806.00	0.010506	0.011087	0.011799	0.012507	0.013307	0.014204	0.015199	0.016474	0.023440
-5306.00	0.010428	0.011020	0.011603	0.012253	0.012975	0.013772	0.014640	0.017039	0.024365
-5806.00	0.010348	0.010848	0.011397	0.011992	0.012644	0.013353	0.014114	0.018381	0.024989

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
INCLUDING SOURCE(S): 1407 , GEN03 , \*\*\*

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)								
	-811.00	-311.00	189.00	689.00	1189.00	1689.00	2189.00	2689.00	3189.00
5194.00	0.020620	0.026304	0.031589	0.027430	0.023312	0.019394	0.015796	0.013715	0.012997
4694.00	0.020735	0.027321	0.033427	0.028524	0.023689	0.019141	0.015109	0.013879	0.013093
4194.00	0.020692	0.028440	0.035609	0.029732	0.023971	0.018638	0.015022	0.014062	0.013199
3694.00	0.020369	0.029651	0.038236	0.031047	0.024069	0.017777	0.015349	0.014269	0.013318
3194.00	0.019526	0.030874	0.041390	0.032395	0.023796	0.017092	0.015724	0.014502	0.013454
2694.00	0.017773	0.031994	0.045264	0.033664	0.022858	0.017741	0.016138	0.014759	0.013623
2194.00	0.014380	0.032678	0.050041	0.034474	0.021173	0.018419	0.016587	0.015067	0.013878
1694.00	0.012786	0.032094	0.055879	0.034029	0.021732	0.019063	0.017051	0.015431	0.014117
1194.00	0.013233	0.028369	0.063022	0.031116	0.022721	0.019702	0.017401	0.015698	0.014320
694.00	0.014104	0.018988	0.071631	0.029460	0.023387	0.019861	0.017619	0.015715	0.013805
194.00	0.014716	0.026080	0.089689	0.029040	0.022974	0.018843	0.015925	0.013909	0.012404
-306.00	0.026707	0.052203	0.064823	0.021429	0.018955	0.015284	0.013413	0.012079	0.010997
-806.00	0.027118	0.045510	0.102094	0.026677	0.016283	0.012718	0.011654	0.010765	0.009999
-1306.00	0.028485	0.044281	0.088567	0.032647	0.020883	0.015096	0.011693	0.009610	0.009047
-1806.00	0.027439	0.049533	0.081865	0.040001	0.025528	0.017373	0.013771	0.011269	0.009447
-2306.00	0.026434	0.050647	0.074392	0.046157	0.028399	0.020749	0.015154	0.012628	0.010695
-2806.00	0.028649	0.049577	0.067747	0.047424	0.029969	0.022993	0.017641	0.013544	0.011664
-3306.00	0.031089	0.047830	0.062316	0.046909	0.032673	0.024177	0.019379	0.015448	0.012382
-3806.00	0.032187	0.045817	0.057648	0.045543	0.034040	0.024701	0.020516	0.016918	0.013937
-4306.00	0.032545	0.043903	0.053818	0.044010	0.034534	0.025983	0.021263	0.018011	0.015211
-4806.00	0.032539	0.042198	0.050692	0.042546	0.034595	0.027258	0.021751	0.018828	0.016231
-5306.00	0.032352	0.040712	0.048121	0.041214	0.034429	0.028066	0.022369	0.019444	0.017050
-5806.00	0.032078	0.039420	0.045977	0.040022	0.034146	0.028571	0.023465	0.019911	0.017708

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	3689.00	4189.00	4689.00	X-COORD (METERS) 5189.00	5689.00
5194.00	0.012347	0.011769	0.011261	0.010790	0.010373
4694.00	0.012393	0.011780	0.011251	0.010800	0.010388
4194.00	0.012443	0.011794	0.011247	0.010798	0.010398
3694.00	0.012502	0.011821	0.011277	0.010800	0.010382
3194.00	0.012583	0.011902	0.011315	0.010810	0.010373
2694.00	0.012740	0.011993	0.011362	0.010829	0.010375
2194.00	0.012901	0.012090	0.011419	0.010859	0.010390
1694.00	0.013058	0.012192	0.011484	0.010810	0.010112
1194.00	0.013187	0.012017	0.011014	0.010210	0.009557
694.00	0.012322	0.011175	0.010267	0.009542	0.008955
194.00	0.011181	0.010220	0.009450	0.008831	0.008328
-306.00	0.010053	0.009290	0.008663	0.008153	0.007736
-806.00	0.009286	0.008684	0.008177	0.007754	0.007401
-1306.00	0.008537	0.008089	0.007698	0.007361	0.007073
-1806.00	0.008106	0.007540	0.007250	0.006992	0.006765
-2306.00	0.009225	0.008098	0.007224	0.006661	0.006484
-2806.00	0.010172	0.008986	0.008039	0.007277	0.006660
-3306.00	0.010940	0.009751	0.008774	0.007969	0.007302
-3806.00	0.011544	0.010394	0.009421	0.008598	0.007902
-4306.00	0.012857	0.010925	0.009978	0.009159	0.008452
-4806.00	0.013979	0.012059	0.010453	0.009653	0.008948
-5306.00	0.014919	0.013057	0.011449	0.010081	0.009360
-5806.00	0.015707	0.013919	0.012342	0.010936	0.009713

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE: 1407 \*\*\*

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

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.085290	AT (	189.00, -206.00) GC	6.	0.043760	AT (	189.00, -2306.00) GC
2.	0.082113	AT (	189.00, -406.00) GC	7.	0.043462	AT (	189.00, -6.00) GC
3.	0.058330	AT (	189.00, -506.00) GC	8.	0.043421	AT (	189.00, -2806.00) GC
4.	0.058182	AT (	189.00, -106.00) GC	9.	0.042385	AT (	189.00, -3306.00) GC
5.	0.044569	AT (	189.00, -606.00) GC	10.	0.041941	AT (	189.00, -1806.00) GC

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE: GEN03 \*\*\*

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.472417	AT (	89.00, -206.00) GC	6.	0.229586	AT (	89.00, -406.00) GC
2.	0.369972	AT (	-11.00, -206.00) GC	7.	0.206551	AT (	-11.00, -406.00) GC
3.	0.300541	AT (	-11.00, -306.00) GC	8.	0.182853	AT (	89.00, -6.00) GC
4.	0.235065	AT (	89.00, -106.00) GC	9.	0.175919	AT (	89.00, -506.00) GC
5.	0.234799	AT (	89.00, -306.00) GC	10.	0.162151	AT (	-11.00, -506.00) GC

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



\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx \*\*\*

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\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.480414	AT (	89.00, -206.00) GC	6.	0.245829	AT (	89.00, -106.00) GC
2.	0.374790	AT (	-11.00, -206.00) GC	7.	0.220904	AT (	-11.00, -406.00) GC
3.	0.311157	AT (	-11.00, -306.00) GC	8.	0.198635	AT (	89.00, -506.00) GC
4.	0.261107	AT (	89.00, -406.00) GC	9.	0.197782	AT (	89.00, -6.00) GC
5.	0.247655	AT (	89.00, -306.00) GC	10.	0.180072	AT (	-11.00, -506.00) GC

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

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* SOURCE 1407 CONTRIBUTIONS TO THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*

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

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.007997	AT (	89.00, -206.00) GC	6.	0.010764	AT (	89.00, -106.00) GC
2.	0.004818	AT (	-11.00, -206.00) GC	7.	0.014353	AT (	-11.00, -406.00) GC
3.	0.010615	AT (	-11.00, -306.00) GC	8.	0.022715	AT (	89.00, -506.00) GC
4.	0.031521	AT (	89.00, -406.00) GC	9.	0.014930	AT (	89.00, -6.00) GC
5.	0.012856	AT (	89.00, -306.00) GC	10.	0.017921	AT (	-11.00, -506.00) GC

\*\*\* SOURCE GEN03 CONTRIBUTIONS TO THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.472417	AT (	89.00, -206.00) GC	6.	0.235065	AT (	89.00, -106.00) GC
2.	0.369972	AT (	-11.00, -206.00) GC	7.	0.206551	AT (	-11.00, -406.00) GC
3.	0.300541	AT (	-11.00, -306.00) GC	8.	0.175919	AT (	89.00, -506.00) GC
4.	0.229586	AT (	89.00, -406.00) GC	9.	0.182853	AT (	89.00, -6.00) GC
5.	0.234799	AT (	89.00, -306.00) GC	10.	0.162151	AT (	-11.00, -506.00) GC

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

\*\*\* ISCLT3 - VERSION 96113 \*\*\*      \*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1989 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38'      \*\*\*

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\*\*\* MODELING OPTIONS USED:    CONC    RURAL    FLAT                    DFAULT

\*\*\* Message Summary : ISCLT3 Model Execution \*\*\*

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

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

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

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

\*\*\*\*\*  
\*\*\* ISCLT3 Finishes Successfully \*\*\*  
\*\*\*\*\*

ISCLT3 NO<sub>x</sub> 1990

\*\* The results for this run are in file 14LT90D.OUT

CO STARTING

TITLEONE FGT CS 14A Turbine 1407 & Emergency Generator 3 1990 Met ISCLT NOx  
TITLETWO Revised building height = 38'  
MODELOPT DFAULT CONC RURAL  
AVERTIME ANNUAL  
POLLUTID NOX  
RUNORNOT RUN

CO FINISHED

SO STARTING

SO LOCATION 1407 POINT 189.36 -305.90

** Parameters	QS	HS	TS	VS	DS		
**	-----	-----	-----	-----	-----		
SO SRCPARAM 1407	1.109	17.68	718.1	13.85	2.66		
SO BUILDHGT 1407		11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407		11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407		11.58	11.58	11.58	11.58		
SO BUILDWID 1407		27.06	26.26	26.33	27.03	23.63	16.62
SO BUILDWID 1407		16.81	23.74	27.06	26.26	26.33	27.03
SO BUILDWID 1407		23.63	16.62	16.81	23.74		

SO LOCATION GEN03 POINT 50.98 -206.27

** Parameters	QS	HS	TS	VS	DS		
**	-----	-----	-----	-----	-----		
SO SRCPARAM GEN03	0.020	6.10	644.26	45.49	0.2		
SO BUILDHGT GEN03		9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03		9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03		9.88	9.88	9.88	9.88		
SO BUILDWID GEN03		60.78	105.12	133.46	141.48	127.96	94.96
SO BUILDWID GEN03		47.50	7.19	60.78	105.12	133.46	141.48
SO BUILDWID GEN03		127.96	94.95	47.50	7.19		

SO SRCGROUP ALL

SO FINISHED

RE STARTING

GRIDCART 100MGrid STA  
GRIDCART 100MGrid XYINC -911 23 100 -1406 23 100  
GRIDCART 100MGrid END  
GRIDCART 500MGrid STA  
GRIDCART 500MGrid XYINC -5311 23 500 -5806 23 500  
GRIDCART 500MGrid END

RE FINISHED

```

ME STARTING
INPUTFIL TALLA90.STA
ANEMHGHT 10.
SURFDATA 93805 1990 TALLAHASSE
UAIRDATA 12832 1990 APALACHICOLA
STARDATA ANNUAL

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**          - AMBIENT AIR TEMPERATURE (DEGREES KELVIN) -
**
**          STAB   STAB   STAB   STAB   STAB   STAB
**          CAT 1  CAT 2  CAT 3  CAT 4  CAT 5  CAT 6
**          -----
AVETEMPS ANNUAL  299.1  299.1  299.1  292.7  286.3  286.3

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**          - MIXING LAYER HEIGHT (METERS) -
**
**          S
**          T   WS     WS     WS     WS     WS     WS
**          SEAS A  CAT 1  CAT 2  CAT 3  CAT 4  CAT 5  CAT 6
**          ---- B  -----
AVEMIXHT ANNUAL 1 .195E+04 .195E+04 .195E+04 .195E+04 .195E+04 .195E+04
AVEMIXHT ANNUAL 2 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04
AVEMIXHT ANNUAL 3 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04
AVEMIXHT ANNUAL 4 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04
AVEMIXHT ANNUAL 5 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05
AVEMIXHT ANNUAL 6 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05

```

ME FINISHED

```

OU STARTING
RECTABLE SRCGRP
MAXTABLE 10 INDSRC SRCGRP SOCONT
OU FINISHED

```

```

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

```

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

---  
\*\*Model Is Setup For Calculation of Average CONCentration Values.  
\*\*Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

\*\*Model Uses NO plume DEPLETION.

\*\*Model Uses RURAL Dispersion.

\*\*Model Uses Regulatory DEFAULT Options:

1. Final Plume Rise.
2. Stack-tip Downwash.
3. Buoyancy-induced Dispersion.
4. Default Wind Profile Exponents.
5. Default Vertical Potential Temperature Gradients.
6. "Upper Bound" Values For Supersquat Buildings.
7. No Exponential Decay for RURAL Mode

\*\*Model Assumes Receptors on FLAT Terrain.

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*Model Calculates 1 STAR Average(s) for the Following Months: 0 0 0 0 0 0 0 0 0 0 0 0  
 Seasons/Quarters: 0 0 0 0  
 and Annual: 1

\*\*Data File Includes 1 STAR Summaries for the Following Months: 0 0 0 0 0 0 0 0 0 0 0 0  
 Seasons/Quarters: 0 0 0 0  
 and Annual: 1

\*\*This Run Includes: 2 Source(s); 1 Source Group(s); and 1058 Receptor(s)

\*\*The Model Assumes A Pollutant Type of: NOX

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

\*\*Output Options Selected:

Model Outputs Tables of Long Term Values by Receptor (RECTABLE Keyword)  
Model Outputs Tables of Maximum Long Term Values (MAXTABLE Keyword)

\*\*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: 14LT90d.IN ; \*\*Output Print File: 14LT90d.OUT

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1990 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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13:28:01  
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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
1407	0	0.11090E+01	189.4	-305.9	0.0	17.68	718.10	13.85	2.66	YES	
GEN03	0	0.20000E-01	51.0	-206.3	0.0	6.10	644.26	45.49	0.20	YES	

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1990 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

11/26/99  
13:28:01  
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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

GROUP ID

SOURCE IDs

ALL 1407 , GEN03 ,



\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1990 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: 1407

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	11.6,	27.1,	0	2	11.6,	26.3,	0	3	11.6,	26.3,	0	4	11.6,	27.0,	0
5	11.6,	23.6,	0	6	11.6,	16.6,	0	7	11.6,	16.8,	0	8	11.6,	23.7,	0
9	11.6,	27.1,	0	10	11.6,	26.3,	0	11	11.6,	26.3,	0	12	11.6,	27.0,	0
13	11.6,	23.6,	0	14	11.6,	16.6,	0	15	11.6,	16.8,	0	16	11.6,	23.7,	0

SOURCE ID: GEN03

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	9.9,	60.8,	0	2	9.9,	105.1,	0	3	9.9,	133.5,	0	4	9.9,	141.5,	0
5	9.9,	128.0,	0	6	9.9,	95.0,	0	7	9.9,	47.5,	0	8	9.9,	7.2,	0
9	9.9,	60.8,	0	10	9.9,	105.1,	0	11	9.9,	133.5,	0	12	9.9,	141.5,	0
13	9.9,	128.0,	0	14	9.9,	95.0,	0	15	9.9,	47.5,	0	16	9.9,	7.2,	0

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1990 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-911.0,	-811.0,	-711.0,	-611.0,	-511.0,	-411.0,	-311.0,	-211.0,	-111.0,	-11.0,
89.0,	189.0,	289.0,	389.0,	489.0,	589.0,	689.0,	789.0,	889.0,	989.0,
1089.0,	1189.0,	1289.0,							

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-1406.0,	-1306.0,	-1206.0,	-1106.0,	-1006.0,	-906.0,	-806.0,	-706.0,	-606.0,	-506.0,
-406.0,	-306.0,	-206.0,	-106.0,	-6.0,	94.0,	194.0,	294.0,	394.0,	494.0,
594.0,	694.0,	794.0,							

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1990 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-5311.0,	-4811.0,	-4311.0,	-3811.0,	-3311.0,	-2811.0,	-2311.0,	-1811.0,	-1311.0,	-811.0,
-311.0,	189.0,	689.0,	1189.0,	1689.0,	2189.0,	2689.0,	3189.0,	3689.0,	4189.0,
4689.0,	5189.0,	5689.0,							

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-5806.0,	-5306.0,	-4806.0,	-4306.0,	-3806.0,	-3306.0,	-2806.0,	-2306.0,	-1806.0,	-1306.0,
-806.0,	-306.0,	194.0,	694.0,	1194.0,	1694.0,	2194.0,	2694.0,	3194.0,	3694.0,
4194.0,	4694.0,	5194.0,							

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1990 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
LESS THAN 1.0 METER OR 3\*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	-- RECEPTOR LOCATION --		DISTANCE (METERS)
	XR (METERS)	YR (METERS)	
1407	189.0	-306.0	0.37
1407	189.0	-306.0	0.37

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* AVERAGE SPEED FOR EACH WIND SPEED CATEGORY \*\*\*  
 (METERS/SEC)

1.50, 2.50, 4.30, 6.80, 9.50, 12.50,

\*\*\* WIND PROFILE EXPONENTS \*\*\*

STABILITY CATEGORY	WIND SPEED 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 CATEGORY	WIND SPEED 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

\*\*\* AVERAGE AMBIENT AIR TEMPERATURE (KELVIN) \*\*\*

	STABILITY CATEGORY A	STABILITY CATEGORY B	STABILITY CATEGORY C	STABILITY CATEGORY D	STABILITY CATEGORY E	STABILITY CATEGORY F
ANNUAL	299.1000	299.1000	299.1000	292.7000	286.3000	286.3000

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1990 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* AVERAGE MIXING LAYER HEIGHT (METERS) \*\*\*

	ANNUAL					
	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED
	CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4	CATEGORY 5	CATEGORY 6
STABILITY CATEGORY A	1949.9999	1949.9999	1949.9999	1949.9999	1949.9999	1949.9999
STABILITY CATEGORY B	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY C	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY D	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY E	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000
STABILITY CATEGORY F	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA90.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLHASSE

NAME: APALACHICOLA

YEAR: 1990

YEAR: 1990

ANNUAL: STABILITY CATEGORY A

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00017600	0.00080000	0.00000000	0.00000000	0.00000000	0.00000000
22.500	0.00029800	0.00080000	0.00000000	0.00000000	0.00000000	0.00000000
45.000	0.00017600	0.00080000	0.00000000	0.00000000	0.00000000	0.00000000
67.500	0.00016100	0.00057100	0.00000000	0.00000000	0.00000000	0.00000000
90.000	0.00040400	0.00057100	0.00000000	0.00000000	0.00000000	0.00000000
112.500	0.00051100	0.00034300	0.00000000	0.00000000	0.00000000	0.00000000
135.000	0.00029800	0.00080000	0.00000000	0.00000000	0.00000000	0.00000000
157.500	0.00006900	0.00102800	0.00000000	0.00000000	0.00000000	0.00000000
180.000	0.00085400	0.00182700	0.00000000	0.00000000	0.00000000	0.00000000
202.500	0.00051800	0.00045700	0.00000000	0.00000000	0.00000000	0.00000000
225.000	0.00029000	0.00068500	0.00000000	0.00000000	0.00000000	0.00000000
247.500	0.00045000	0.00125600	0.00000000	0.00000000	0.00000000	0.00000000
270.000	0.00067100	0.00091400	0.00000000	0.00000000	0.00000000	0.00000000
292.500	0.00017600	0.00080000	0.00000000	0.00000000	0.00000000	0.00000000
315.000	0.00016800	0.00068500	0.00000000	0.00000000	0.00000000	0.00000000
337.500	0.00003900	0.00057100	0.00000000	0.00000000	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY B

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00421500	0.00856200	0.00365300	0.00000000	0.00000000	0.00000000
22.500	0.00299600	0.00365300	0.00388200	0.00000000	0.00000000	0.00000000
45.000	0.00182200	0.00456700	0.00319700	0.00000000	0.00000000	0.00000000
67.500	0.00097600	0.00319700	0.00251200	0.00000000	0.00000000	0.00000000
90.000	0.00263700	0.00388200	0.00274000	0.00000000	0.00000000	0.00000000
112.500	0.00210000	0.00285400	0.00182700	0.00000000	0.00000000	0.00000000
135.000	0.00229600	0.00331100	0.00251200	0.00000000	0.00000000	0.00000000
157.500	0.00187300	0.00216900	0.00216900	0.00000000	0.00000000	0.00000000
180.000	0.00293100	0.00411000	0.00285400	0.00000000	0.00000000	0.00000000
202.500	0.00177500	0.00239800	0.00262600	0.00000000	0.00000000	0.00000000

225.000	0.00112300	0.00239800	0.00148500	0.00000000	0.00000000	0.00000000
247.500	0.00146500	0.00296900	0.00125600	0.00000000	0.00000000	0.00000000
270.000	0.00188800	0.00319700	0.00182700	0.00000000	0.00000000	0.00000000
292.500	0.00118900	0.00194100	0.00091400	0.00000000	0.00000000	0.00000000
315.000	0.00117200	0.00274000	0.00228400	0.00000000	0.00000000	0.00000000
337.500	0.00094300	0.00296900	0.00251200	0.00000000	0.00000000	0.00000000

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA90.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1990

YEAR: 1990

ANNUAL: STABILITY CATEGORY C

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00179100	0.00616500	0.01267200	0.00216900	0.00000000	0.00000000
22.500	0.00051100	0.00308300	0.00730600	0.00091400	0.00000000	0.00000000
45.000	0.00062500	0.00296900	0.00707800	0.00102800	0.00000000	0.00000000
67.500	0.00025500	0.00205500	0.00570800	0.00057100	0.00000000	0.00000000
90.000	0.00063900	0.00308300	0.00627900	0.00068500	0.00000000	0.00000000
112.500	0.00046900	0.00274000	0.00502300	0.00068500	0.00000000	0.00000000
135.000	0.00036900	0.00194100	0.00468100	0.00125600	0.00000000	0.00000000
157.500	0.00034200	0.00068500	0.00353900	0.00148500	0.00000000	0.00000000
180.000	0.00086800	0.00285400	0.00936100	0.00342500	0.00000000	0.00000000
202.500	0.00017000	0.00137000	0.00399600	0.00034300	0.00000000	0.00000000
225.000	0.00042700	0.00137000	0.00262600	0.00000000	0.00000000	0.00000000
247.500	0.00056900	0.00251200	0.00182700	0.00000000	0.00000000	0.00000000
270.000	0.00046900	0.00171300	0.00216900	0.00045700	0.00000000	0.00000000
292.500	0.00036900	0.00194100	0.00159900	0.00034300	0.00000000	0.00000000
315.000	0.00042700	0.00137000	0.00399600	0.00045700	0.00000000	0.00000000
337.500	0.00083900	0.00262600	0.00411000	0.00000000	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY D

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00188200	0.00650700	0.01792300	0.01324300	0.00045700	0.00011500
22.500	0.00126900	0.00502300	0.00833400	0.00251200	0.00011500	0.00000000
45.000	0.00094700	0.00285400	0.00433800	0.00228400	0.00011500	0.00000000
67.500	0.00087100	0.00411000	0.00685000	0.00285400	0.00011500	0.00000000
90.000	0.00118400	0.00445300	0.00582200	0.00285400	0.00011500	0.00000000
112.500	0.00151000	0.00399600	0.00559400	0.00159900	0.00000000	0.00000000
135.000	0.00149700	0.00479500	0.00296900	0.00114200	0.00000000	0.00000000
157.500	0.00110000	0.00388200	0.00525200	0.00662200	0.00045700	0.00000000
180.000	0.00320500	0.00924700	0.01837900	0.02054800	0.00171300	0.00034300
202.500	0.00183500	0.00353900	0.00639300	0.00456700	0.00000000	0.00000000

225.000	0.00159900	0.00194100	0.00159900	0.00171300	0.00000000	0.00000000
247.500	0.00130700	0.00262600	0.00137000	0.00068500	0.00000000	0.00000000
270.000	0.00145500	0.00274000	0.00091400	0.00045700	0.00000000	0.00000000
292.500	0.00079900	0.00274000	0.00182700	0.00045700	0.00011500	0.00000000
315.000	0.00106600	0.00365300	0.00296900	0.00171300	0.00000000	0.00000000
337.500	0.00165800	0.00411000	0.00456700	0.00353900	0.00000000	0.00000000



\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA90.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1990

YEAR: 1990

ANNUAL: STABILITY CATEGORY E

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00000000	0.00856200	0.00570800	0.00000000	0.00000000	0.00000000
22.500	0.00000000	0.00422400	0.00228400	0.00000000	0.00000000	0.00000000
45.000	0.00000000	0.00216900	0.00205500	0.00000000	0.00000000	0.00000000
67.500	0.00000000	0.00239800	0.00148500	0.00000000	0.00000000	0.00000000
90.000	0.00000000	0.00399600	0.00159900	0.00000000	0.00000000	0.00000000
112.500	0.00000000	0.00319700	0.00114200	0.00000000	0.00000000	0.00000000
135.000	0.00000000	0.00353900	0.00034300	0.00000000	0.00000000	0.00000000
157.500	0.00000000	0.00182700	0.00034300	0.00000000	0.00000000	0.00000000
180.000	0.00000000	0.00730600	0.00342500	0.00000000	0.00000000	0.00000000
202.500	0.00000000	0.00251200	0.00057100	0.00000000	0.00000000	0.00000000
225.000	0.00000000	0.00171300	0.00045700	0.00000000	0.00000000	0.00000000
247.500	0.00000000	0.00148500	0.00034300	0.00000000	0.00000000	0.00000000
270.000	0.00000000	0.00216900	0.00022900	0.00000000	0.00000000	0.00000000
292.500	0.00000000	0.00137000	0.00022900	0.00000000	0.00000000	0.00000000
315.000	0.00000000	0.00125600	0.00171300	0.00000000	0.00000000	0.00000000
337.500	0.00000000	0.00388200	0.00296900	0.00000000	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY F

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.05090300	0.01358500	0.00000000	0.00000000	0.00000000	0.00000000
22.500	0.01220600	0.00433800	0.00000000	0.00000000	0.00000000	0.00000000
45.000	0.01220200	0.00468100	0.00000000	0.00000000	0.00000000	0.00000000
67.500	0.00851700	0.00262600	0.00000000	0.00000000	0.00000000	0.00000000
90.000	0.01602500	0.00490900	0.00000000	0.00000000	0.00000000	0.00000000
112.500	0.00862600	0.00285400	0.00000000	0.00000000	0.00000000	0.00000000
135.000	0.00829300	0.00251200	0.00000000	0.00000000	0.00000000	0.00000000
157.500	0.00516500	0.00091400	0.00000000	0.00000000	0.00000000	0.00000000
180.000	0.02558300	0.00548000	0.00000000	0.00000000	0.00000000	0.00000000
202.500	0.02224500	0.00274000	0.00000000	0.00000000	0.00000000	0.00000000

225.000	0.02325300	0.00308300	0.00000000	0.00000000	0.00000000	0.00000000
247.500	0.02201700	0.00296900	0.00000000	0.00000000	0.00000000	0.00000000
270.000	0.02404800	0.00262600	0.00000000	0.00000000	0.00000000	0.00000000
292.500	0.02382400	0.00251200	0.00000000	0.00000000	0.00000000	0.00000000
315.000	0.02179400	0.00285400	0.00000000	0.00000000	0.00000000	0.00000000
337.500	0.03163100	0.00753500	0.00000000	0.00000000	0.00000000	0.00000000

SUM OF FREQUENCIES, FTOTAL = 1.00014

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)								
	-911.00	-811.00	-711.00	-611.00	-511.00	-411.00	-311.00	-211.00	-111.00
794.00	0.022882	0.022742	0.022515	0.022195	0.021784	0.021289	0.024264	0.032847	0.043600
694.00	0.023401	0.023935	0.023726	0.023409	0.022980	0.022443	0.022774	0.031269	0.043680
594.00	0.023843	0.024538	0.025138	0.024855	0.024448	0.023916	0.023188	0.029666	0.043102
494.00	0.024317	0.025062	0.025879	0.026582	0.026222	0.025615	0.024964	0.028011	0.043253
394.00	0.024834	0.025648	0.026557	0.027569	0.028288	0.027950	0.027659	0.027511	0.043708
294.00	0.025402	0.026310	0.027362	0.028362	0.029717	0.031130	0.031849	0.032628	0.044815
194.00	0.026071	0.027049	0.028172	0.029519	0.031506	0.034158	0.036938	0.038901	0.042904
94.00	0.027868	0.028437	0.029334	0.031106	0.033828	0.037761	0.042319	0.047696	0.052944
-6.00	0.030279	0.031077	0.032036	0.033775	0.036806	0.042055	0.049438	0.059466	0.071463
-106.00	0.032833	0.033986	0.035391	0.038168	0.042350	0.048350	0.058754	0.078676	0.107484
-206.00	0.035485	0.036998	0.038878	0.042579	0.048073	0.056329	0.071258	0.098585	0.164487
-306.00	0.034624	0.035781	0.037128	0.039998	0.044474	0.050792	0.061566	0.080230	0.123691
-406.00	0.031786	0.032464	0.033179	0.035202	0.038347	0.043071	0.052777	0.068958	0.098175
-506.00	0.029106	0.029450	0.029615	0.031615	0.035644	0.040903	0.048230	0.061214	0.080242
-606.00	0.026767	0.027743	0.028940	0.030585	0.034134	0.039012	0.045460	0.055003	0.069137
-706.00	0.026526	0.027552	0.028944	0.030499	0.033350	0.037976	0.043480	0.050253	0.067167
-806.00	0.026616	0.027852	0.029272	0.030906	0.033000	0.036783	0.041568	0.046027	0.064884
-906.00	0.027047	0.028292	0.029696	0.031381	0.033412	0.035806	0.038678	0.045655	0.062706
-1006.00	0.027502	0.028759	0.030209	0.031896	0.033842	0.035085	0.036725	0.046049	0.059425
-1106.00	0.027946	0.029245	0.030701	0.032339	0.033291	0.034444	0.036734	0.046676	0.058247
-1206.00	0.028369	0.029673	0.031112	0.031891	0.032804	0.033893	0.038677	0.047415	0.057874
-1306.00	0.028718	0.030017	0.030703	0.031473	0.032359	0.033430	0.040010	0.047904	0.057713
-1406.00	0.028987	0.029622	0.030311	0.031074	0.031935	0.034614	0.040859	0.048538	0.057535

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	189.00	289.00	389.00	489.00	589.00	689.00	789.00
794.00	0.054942	0.061877	0.061304	0.052322	0.043720	0.036461	0.032083	0.029086	0.027394
694.00	0.056855	0.064555	0.062842	0.052368	0.042503	0.035887	0.031345	0.029053	0.027276
594.00	0.058528	0.067054	0.063841	0.051628	0.040618	0.035043	0.030942	0.028848	0.027018
494.00	0.063018	0.073330	0.067621	0.052105	0.040530	0.033943	0.030523	0.028398	0.026676
394.00	0.069851	0.082988	0.074088	0.053121	0.042098	0.033908	0.030213	0.027900	0.026416
294.00	0.077384	0.094146	0.078726	0.053891	0.041600	0.034217	0.030804	0.027990	0.026235
194.00	0.088551	0.112267	0.083028	0.055888	0.040003	0.033837	0.030762	0.028221	0.026778
94.00	0.104852	0.139371	0.089502	0.058950	0.040007	0.034308	0.030562	0.028959	0.027490
-6.00	0.125785	0.184346	0.106607	0.059093	0.043599	0.034978	0.031189	0.029342	0.028238
-106.00	0.153816	0.242246	0.139337	0.066466	0.045287	0.036009	0.031725	0.029707	0.029086
-206.00	0.557709	0.573013	0.209462	0.066001	0.046381	0.037208	0.033225	0.030804	0.029849
-306.00	0.254397	0.234533	0.075147	0.055775	0.043942	0.036180	0.032759	0.030470	0.029583
-406.00	0.174865	0.200250	0.147532	0.060569	0.041986	0.033564	0.030283	0.028196	0.027284
-506.00	0.139003	0.151960	0.102547	0.053787	0.043001	0.034624	0.029886	0.027298	0.026053
-606.00	0.115615	0.127314	0.089287	0.049398	0.039784	0.036021	0.031262	0.028084	0.026115
-706.00	0.098729	0.109604	0.083571	0.047379	0.036986	0.034211	0.032210	0.028864	0.026829
-806.00	0.088417	0.097935	0.078853	0.046566	0.034880	0.032594	0.030816	0.029488	0.027232
-906.00	0.082142	0.089651	0.075509	0.050412	0.035487	0.031339	0.029976	0.028659	0.027454
-1006.00	0.076089	0.082469	0.072173	0.052563	0.035986	0.030500	0.029050	0.027926	0.027172
-1106.00	0.071957	0.077392	0.069273	0.053343	0.038559	0.030918	0.028903	0.027977	0.027165
-1206.00	0.069412	0.074353	0.068447	0.054713	0.041998	0.032457	0.029283	0.028250	0.027300
-1306.00	0.068115	0.073019	0.068864	0.056735	0.045306	0.035088	0.030039	0.028542	0.027507
-1406.00	0.066992	0.071814	0.068984	0.058157	0.047811	0.038272	0.031510	0.028824	0.027738

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	889.00	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00
794.00	0.025870	0.024504	0.023309	0.022287	0.021367
694.00	0.025705	0.024356	0.023227	0.022218	0.021574
594.00	0.025486	0.024239	0.023136	0.022440	0.021786
494.00	0.025322	0.024124	0.023380	0.022676	0.022012
394.00	0.025181	0.024406	0.023658	0.022942	0.022265
294.00	0.025483	0.024744	0.023995	0.023265	0.022591
194.00	0.025904	0.025190	0.024477	0.023782	0.023121
94.00	0.026615	0.025877	0.025177	0.024421	0.023673
-6.00	0.027380	0.026597	0.025785	0.024998	0.024241
-106.00	0.027960	0.027177	0.026400	0.025640	0.024861
-206.00	0.028700	0.027918	0.027126	0.026355	0.025536
-306.00	0.028541	0.027880	0.027189	0.026504	0.025732
-406.00	0.026796	0.026266	0.025708	0.025161	0.024527
-506.00	0.025415	0.024810	0.024352	0.023897	0.023371
-606.00	0.024651	0.023827	0.023254	0.022744	0.022298
-706.00	0.025115	0.023787	0.022739	0.021912	0.021432
-806.00	0.025477	0.024247	0.023145	0.022111	0.021163
-906.00	0.026032	0.024786	0.023619	0.022542	0.021557
-1006.00	0.026601	0.025306	0.024100	0.022990	0.021972
-1106.00	0.026414	0.025764	0.024546	0.023415	0.022373
-1206.00	0.026424	0.025610	0.024926	0.023790	0.022736
-1306.00	0.026545	0.025645	0.024801	0.024098	0.023050
-1406.00	0.026716	0.025755	0.024850	0.024004	0.023297

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)								
	-5311.00	-4811.00	-4311.00	-3811.00	-3311.00	-2811.00	-2311.00	-1811.00	-1311.00
5194.00	0.007752	0.007856	0.007957	0.008048	0.008133	0.008210	0.008275	0.010792	0.015331
4694.00	0.008066	0.008256	0.008385	0.008512	0.008637	0.008752	0.008849	0.009786	0.014886
4194.00	0.008405	0.008623	0.008853	0.009032	0.009209	0.009376	0.009521	0.009627	0.014164
3694.00	0.008766	0.009026	0.009309	0.009615	0.009864	0.010103	0.010313	0.010472	0.013028
3194.00	0.009157	0.009467	0.009811	0.010194	0.010614	0.010952	0.011257	0.011490	0.011836
2694.00	0.009573	0.009943	0.010359	0.010828	0.011359	0.011953	0.012385	0.012726	0.012917
2194.00	0.010008	0.010444	0.010941	0.011511	0.012165	0.012908	0.013754	0.014260	0.014540
1694.00	0.010769	0.011062	0.011540	0.012221	0.013011	0.013922	0.014979	0.016209	0.016630
1194.00	0.011817	0.012257	0.012741	0.013259	0.013855	0.014949	0.016215	0.017700	0.019480
694.00	0.012919	0.013529	0.014230	0.015027	0.015904	0.016814	0.017662	0.019147	0.021226
194.00	0.014039	0.014829	0.015767	0.016880	0.018190	0.019697	0.021340	0.023023	0.024539
-306.00	0.015033	0.015974	0.017112	0.018498	0.020187	0.022244	0.024683	0.027592	0.031014
-806.00	0.013929	0.014693	0.015595	0.016660	0.017904	0.019314	0.020808	0.022216	0.023478
-1306.00	0.012802	0.013386	0.014053	0.014806	0.015632	0.016480	0.017723	0.020489	0.024429
-1806.00	0.011696	0.012113	0.012568	0.013051	0.014043	0.015844	0.018163	0.021190	0.025167
-2306.00	0.010647	0.010990	0.011768	0.012889	0.014291	0.016068	0.018318	0.021163	0.023576
-2806.00	0.010249	0.010993	0.011892	0.012987	0.014333	0.015993	0.018044	0.019981	0.022106
-3306.00	0.010330	0.011058	0.011925	0.012964	0.014216	0.015709	0.017209	0.018899	0.020698
-3806.00	0.010368	0.011067	0.011887	0.012853	0.013978	0.015145	0.016456	0.017889	0.020074
-4306.00	0.010370	0.011033	0.011797	0.012671	0.013588	0.014619	0.015756	0.016977	0.021005
-4806.00	0.010344	0.010966	0.011664	0.012397	0.013220	0.014131	0.015119	0.016294	0.021884
-5306.00	0.010278	0.010869	0.011467	0.012136	0.012875	0.013682	0.014546	0.016534	0.022415
-5806.00	0.010186	0.010706	0.011277	0.011887	0.012554	0.013272	0.014031	0.017448	0.022720

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-811.00	-311.00	189.00	X-COORD (METERS)			1689.00	2189.00	2689.00	3189.00
				689.00	1189.00					
5194.00	0.020204	0.025254	0.029942	0.026025	0.022124	0.018392	0.014944	0.012932	0.012187	
4694.00	0.020457	0.026293	0.031695	0.027107	0.022555	0.018247	0.014420	0.013159	0.012323	
4194.00	0.020592	0.027429	0.033741	0.028289	0.022911	0.017899	0.014462	0.013387	0.012446	
3694.00	0.020516	0.028652	0.036153	0.029560	0.023118	0.017272	0.014849	0.013607	0.012545	
3194.00	0.020048	0.029901	0.038992	0.030858	0.023028	0.016899	0.015236	0.013798	0.012604	
2694.00	0.018893	0.031056	0.042338	0.032052	0.022409	0.017569	0.015577	0.013925	0.012615	
2194.00	0.016562	0.031871	0.046284	0.032832	0.021404	0.018146	0.015817	0.013975	0.013045	
1694.00	0.016538	0.031655	0.050718	0.032483	0.021967	0.018475	0.015886	0.014591	0.013517	
1194.00	0.019270	0.029166	0.055963	0.030366	0.022411	0.018503	0.016629	0.015204	0.014015	
694.00	0.023935	0.022774	0.062842	0.029053	0.022218	0.019347	0.017386	0.015950	0.014711	
194.00	0.027049	0.036938	0.083028	0.028221	0.023782	0.020848	0.018687	0.016893	0.015434	
-306.00	0.035781	0.061566	0.075147	0.030470	0.026504	0.022848	0.020050	0.017831	0.016107	
-806.00	0.027852	0.041568	0.078853	0.029488	0.022111	0.019135	0.017590	0.016150	0.014919	
-1306.00	0.030017	0.040010	0.068864	0.028542	0.024098	0.019514	0.016573	0.014685	0.013798	
-1806.00	0.028091	0.043497	0.067656	0.033082	0.024294	0.020314	0.017231	0.015084	0.013500	
-2306.00	0.026398	0.044613	0.063492	0.038811	0.024493	0.020545	0.017406	0.015295	0.013704	
-2806.00	0.027230	0.043859	0.058668	0.040448	0.024824	0.020785	0.017731	0.015220	0.013728	
-3306.00	0.028877	0.042336	0.054217	0.040295	0.027440	0.020785	0.018014	0.015600	0.013634	
-3806.00	0.029472	0.040480	0.050194	0.039254	0.028869	0.020627	0.018175	0.015972	0.014073	
-4306.00	0.029487	0.038658	0.046777	0.037949	0.029426	0.021738	0.018263	0.016262	0.014486	
-4806.00	0.029218	0.036996	0.043916	0.036630	0.029519	0.022958	0.018295	0.016483	0.014835	
-5306.00	0.028822	0.035522	0.041521	0.035388	0.029360	0.023706	0.018646	0.016647	0.015123	
-5806.00	0.028373	0.034226	0.039500	0.034250	0.029066	0.024145	0.019632	0.016764	0.015357	

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	3689.00	4189.00	4689.00	X-COORD (METERS) 5189.00	5689.00
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5194.00	0.011526	0.010950	0.010455	0.010005	0.009615
4694.00	0.011594	0.010970	0.010444	0.010007	0.009712
4194.00	0.011641	0.010968	0.010416	0.010096	0.009814
3694.00	0.011660	0.010943	0.010546	0.010201	0.009904
3194.00	0.011647	0.011138	0.010701	0.010329	0.010012
2694.00	0.011939	0.011366	0.010884	0.010480	0.010141
2194.00	0.012272	0.011628	0.011096	0.010656	0.010292
1694.00	0.012641	0.011922	0.011341	0.010893	0.010496
1194.00	0.013079	0.012313	0.011667	0.011135	0.010697
694.00	0.013618	0.012723	0.011991	0.011399	0.010920
194.00	0.014161	0.013144	0.012327	0.011677	0.011157
-306.00	0.014659	0.013534	0.012645	0.011947	0.011393
-806.00	0.013795	0.012879	0.012133	0.011533	0.011050
-1306.00	0.012962	0.012246	0.011640	0.011139	0.010725
-1806.00	0.012326	0.011671	0.011192	0.010781	0.010432
-2306.00	0.012511	0.011616	0.010940	0.010471	0.010178
-2806.00	0.012585	0.011703	0.011021	0.010493	0.010081
-3306.00	0.012572	0.011730	0.011064	0.010537	0.010119
-3806.00	0.012500	0.011713	0.011076	0.010560	0.010144
-4306.00	0.012951	0.011666	0.011064	0.010567	0.010158
-4806.00	0.013376	0.012108	0.011035	0.010561	0.010162
-5306.00	0.013746	0.012525	0.011458	0.010543	0.010130
-5806.00	0.014063	0.012895	0.011855	0.010912	0.010085



\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE: 1407 \*\*\*

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

RANK	CONC	AT	RECEPTOR (XR, YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR, YR) OF TYPE
1.	0.115095	AT (	189.00, -206.00) GC	6.	0.040669	AT (	189.00, -606.00) GC
2.	0.086929	AT (	189.00, -406.00) GC	7.	0.039737	AT (	189.00, -2306.00) GC
3.	0.068737	AT (	189.00, -106.00) GC	8.	0.039697	AT (	189.00, -2806.00) GC
4.	0.056502	AT (	189.00, -506.00) GC	9.	0.038616	AT (	189.00, -3306.00) GC
5.	0.046993	AT (	189.00, -6.00) GC	10.	0.037390	AT (	189.00, 94.00) GC

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE: GEN03 \*\*\*

RANK	CONC	AT	RECEPTOR (XR, YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR, YR) OF TYPE
1.	0.555682	AT (	89.00, -206.00) GC	6.	0.174259	AT (	89.00, -406.00) GC
2.	0.543685	AT (	-11.00, -206.00) GC	7.	0.162549	AT (	89.00, -6.00) GC
3.	0.234062	AT (	-11.00, -306.00) GC	8.	0.156705	AT (	-11.00, -406.00) GC
4.	0.221826	AT (	89.00, -106.00) GC	9.	0.152253	AT (	-111.00, -206.00) GC
5.	0.207871	AT (	89.00, -306.00) GC	10.	0.140624	AT (	-11.00, -106.00) GC

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

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1990 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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13:28:01  
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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.573013	AT (	89.00, -206.00) GC	6.	0.209462	AT (	189.00, -206.00) GC
2.	0.557709	AT (	-11.00, -206.00) GC	7.	0.200250	AT (	89.00, -406.00) GC
3.	0.254397	AT (	-11.00, -306.00) GC	8.	0.184346	AT (	89.00, -6.00) GC
4.	0.242246	AT (	89.00, -106.00) GC	9.	0.174865	AT (	-11.00, -406.00) GC
5.	0.234533	AT (	89.00, -306.00) GC	10.	0.164487	AT (	-111.00, -206.00) GC

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

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* SOURCE 1407 CONTRIBUTIONS TO THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*

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

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.017331	AT (	89.00, -206.00) GC	6.	0.115095	AT (	189.00, -206.00) GC
2.	0.014024	AT (	-11.00, -206.00) GC	7.	0.025991	AT (	89.00, -406.00) GC
3.	0.020335	AT (	-11.00, -306.00) GC	8.	0.021797	AT (	89.00, -6.00) GC
4.	0.020420	AT (	89.00, -106.00) GC	9.	0.018160	AT (	-11.00, -406.00) GC
5.	0.026663	AT (	89.00, -306.00) GC	10.	0.012233	AT (	-111.00, -206.00) GC

\*\*\* SOURCE GEN03 CONTRIBUTIONS TO THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.555682	AT (	89.00, -206.00) GC	6.	0.094367	AT (	189.00, -206.00) GC
2.	0.543685	AT (	-11.00, -206.00) GC	7.	0.174259	AT (	89.00, -406.00) GC
3.	0.234062	AT (	-11.00, -306.00) GC	8.	0.162549	AT (	89.00, -6.00) GC
4.	0.221826	AT (	89.00, -106.00) GC	9.	0.156705	AT (	-11.00, -406.00) GC
5.	0.207871	AT (	89.00, -306.00) GC	10.	0.152253	AT (	-111.00, -206.00) GC

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

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1990 Met ISCLT NOx \*\*\*

11/26/99

\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT . DFAULT

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\*\*\* Message Summary : ISCLT3 Model Execution \*\*\*

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

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

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\*

\*\*\* ISCLT3 Finishes Successfully \*\*\*

\*\*\*\*\*

ISCLT3 NO<sub>x</sub> 1991

\*\* The results for this run are in file 14LT91D.OUT

CO STARTING

TITLEONE FGT CS 14A Turbine 1407 & Emergency Generator 3 1991 Met ISCLT NOx  
TITLETWO Revised building height = 38'  
MODELOPT DFAULT CONC RURAL  
AVERTIME ANNUAL  
POLLUTID NOX  
RUNORNOT RUN

CO FINISHED

SO STARTING

SO LOCATION 1407 POINT 189.36 -305.90

** Parameters	QS	HS	TS	VS	DS
SO SRCPARAM 1407	1.109	17.68	718.1	13.85	2.66

SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58		
SO BUILDWID 1407	27.06	26.26	26.33	27.03	23.63	16.62
SO BUILDWID 1407	16.81	23.74	27.06	26.26	26.33	27.03
SO BUILDWID 1407	23.63	16.62	16.81	23.74		

SO LOCATION GEN03 POINT 50.98 -206.27

** Parameters	QS	HS	TS	VS	DS
SO SRCPARAM GEN03	0.020	6.10	644.26	45.49	0.2

SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88		
SO BUILDWID GEN03	60.78	105.12	133.46	141.48	127.96	94.96
SO BUILDWID GEN03	47.50	7.19	60.78	105.12	133.46	141.48
SO BUILDWID GEN03	127.96	94.95	47.50	7.19		

SO SRCGROUP ALL

SO FINISHED

RE STARTING

GRIDCART 100MGrid STA  
GRIDCART 100MGrid XYINC -911 23 100 -1406 23 100  
GRIDCART 100MGrid END  
GRIDCART 500MGrid STA  
GRIDCART 500MGrid XYINC -5311 23 500 -5806 23 500  
GRIDCART 500MGrid END

RE FINISHED

ME STARTING  
 INPUTFIL TALLA91.STA  
 ANEMHGHT 10.  
 SURFDATA 93805 1991 TALLAHASSE  
 UAIRDATA 12832 1991 APALACHICOLA  
 STARDATA ANNUAL

\*\* - AMBIENT AIR TEMPERATURE (DEGREES KELVIN) -  
 \*\*  
 \*\* STAB STAB STAB STAB STAB STAB  
 \*\* CAT 1 CAT 2 CAT 3 CAT 4 CAT 5 CAT 6  
 \*\* -----  
 AVETEMPS ANNUAL 299.1 299.1 299.1 292.7 286.3 286.3

\*\* - MIXING LAYER HEIGHT (METERS) -  
 \*\* S  
 \*\* T WS WS WS WS WS WS  
 \*\* SEAS A CAT 1 CAT 2 CAT 3 CAT 4 CAT 5 CAT 6  
 \*\* ---- B -----  
 AVE MIXHT ANNUAL 1 .195E+04 .195E+04 .195E+04 .195E+04 .195E+04 .195E+04  
 AVE MIXHT ANNUAL 2 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04  
 AVE MIXHT ANNUAL 3 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04  
 AVE MIXHT ANNUAL 4 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04  
 AVE MIXHT ANNUAL 5 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05  
 AVE MIXHT ANNUAL 6 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05

ME FINISHED

OU STARTING  
 RECTABLE SRCGRP  
 MAXTABLE 10 INDSRC SRCGRP SOCONT  
 OU FINISHED

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

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

---  
\*\*Model Is Setup For Calculation of Average CONCentration Values.  
\*\*Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

\*\*Model Uses NO plume DEPLETION.

\*\*Model Uses RURAL Dispersion.

\*\*Model Uses Regulatory DEFAULT Options:

1. Final Plume Rise.
2. Stack-tip Downwash.
3. Buoyancy-induced Dispersion.
4. Default Wind Profile Exponents.
5. Default Vertical Potential Temperature Gradients.
6. "Upper Bound" Values For Supersquat Buildings.
7. No Exponential Decay for RURAL Mode

\*\*Model Assumes Receptors on FLAT Terrain.

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*Model Calculates 1 STAR Average(s) for the Following Months: 0 0 0 0 0 0 0 0 0 0 0 0  
 Seasons/Quarters: 0 0 0 0  
 and Annual: 1

\*\*Data File Includes 1 STAR Summaries for the Following Months: 0 0 0 0 0 0 0 0 0 0 0 0  
 Seasons/Quarters: 0 0 0 0  
 and Annual: 1

\*\*This Run Includes: 2 Source(s); 1 Source Group(s); and 1058 Receptor(s)

\*\*The Model Assumes A Pollutant Type of: NOX

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

\*\*Output Options Selected:

Model Outputs Tables of Long Term Values by Receptor (RECTABLE Keyword)  
Model Outputs Tables of Maximum Long Term Values (MAXTABLE Keyword)

\*\*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: 14LT91d.IN ; \*\*Output Print File: 14LT91d.OUT



\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1991 Met ISCLT NOx \*\*\*

11/26/99

\*\*\* Revised building height = 38' \*\*\*

13:28:02

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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\*\*\* POINT SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
1407	0	0.11090E+01	189.4	-305.9	0.0	17.68	718.10	13.85	2.66	YES	
GEN03	0	0.20000E-01	51.0	-206.3	0.0	6.10	644.26	45.49	0.20	YES	

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1991 Met ISCLT NOx \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

GROUP ID	SOURCE IDs
ALL	1407 , GEN03 ,

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1991 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: 1407

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	11.6,	27.1,	0	2	11.6,	26.3,	0	3	11.6,	26.3,	0	4	11.6,	27.0,	0
5	11.6,	23.6,	0	6	11.6,	16.6,	0	7	11.6,	16.8,	0	8	11.6,	23.7,	0
9	11.6,	27.1,	0	10	11.6,	26.3,	0	11	11.6,	26.3,	0	12	11.6,	27.0,	0
13	11.6,	23.6,	0	14	11.6,	16.6,	0	15	11.6,	16.8,	0	16	11.6,	23.7,	0

SOURCE ID: GEN03

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	9.9,	60.8,	0	2	9.9,	105.1,	0	3	9.9,	133.5,	0	4	9.9,	141.5,	0
5	9.9,	128.0,	0	6	9.9,	95.0,	0	7	9.9,	47.5,	0	8	9.9,	7.2,	0
9	9.9,	60.8,	0	10	9.9,	105.1,	0	11	9.9,	133.5,	0	12	9.9,	141.5,	0
13	9.9,	128.0,	0	14	9.9,	95.0,	0	15	9.9,	47.5,	0	16	9.9,	7.2,	0

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1991 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-911.0,	-811.0,	-711.0,	-611.0,	-511.0,	-411.0,	-311.0,	-211.0,	-111.0,	-11.0,
89.0,	189.0,	289.0,	389.0,	489.0,	589.0,	689.0,	789.0,	889.0,	989.0,
1089.0,	1189.0,	1289.0,							

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-1406.0,	-1306.0,	-1206.0,	-1106.0,	-1006.0,	-906.0,	-806.0,	-706.0,	-606.0,	-506.0,
-406.0,	-306.0,	-206.0,	-106.0,	-6.0,	94.0,	194.0,	294.0,	394.0,	494.0,
594.0,	694.0,	794.0,							

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1991 Met ISCLT NOx \*\*\*

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\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-5311.0,	-4811.0,	-4311.0,	-3811.0,	-3311.0,	-2811.0,	-2311.0,	-1811.0,	-1311.0,	-811.0,
-311.0,	189.0,	689.0,	1189.0,	1689.0,	2189.0,	2689.0,	3189.0,	3689.0,	4189.0,
4689.0,	5189.0,	5689.0,							

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-5806.0,	-5306.0,	-4806.0,	-4306.0,	-3806.0,	-3306.0,	-2806.0,	-2306.0,	-1806.0,	-1306.0,
-806.0,	-306.0,	194.0,	694.0,	1194.0,	1694.0,	2194.0,	2694.0,	3194.0,	3694.0,
4194.0,	4694.0,	5194.0,							

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1991 Met ISCLT NOx \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
LESS THAN 1.0 METER OR 3\*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	-- RECEPTOR LOCATION -- XR (METERS) YR (METERS)		DISTANCE (METERS)
1407	189.0	-306.0	0.37
1407	189.0	-306.0	0.37

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* AVERAGE SPEED FOR EACH WIND SPEED CATEGORY \*\*\*  
 (METERS/SEC)

1.50, 2.50, 4.30, 6.80, 9.50, 12.50,

\*\*\* WIND PROFILE EXPONENTS \*\*\*

STABILITY CATEGORY	WIND SPEED 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 CATEGORY	WIND SPEED 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

\*\*\* AVERAGE AMBIENT AIR TEMPERATURE (KELVIN) \*\*\*

	STABILITY CATEGORY A	STABILITY CATEGORY B	STABILITY CATEGORY C	STABILITY CATEGORY D	STABILITY CATEGORY E	STABILITY CATEGORY F
ANNUAL	299.1000	299.1000	299.1000	292.7000	286.3000	286.3000

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1991 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* AVERAGE MIXING LAYER HEIGHT (METERS) \*\*\*

	ANNUAL					
	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED
	CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4	CATEGORY 5	CATEGORY 6
STABILITY CATEGORY A	1949.9999	1949.9999	1949.9999	1949.9999	1949.9999	1949.9999
STABILITY CATEGORY B	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY C	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY D	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY E	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000
STABILITY CATEGORY F	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA91.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1991

YEAR: 1991

ANNUAL: STABILITY CATEGORY A

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00070900	0.00274000	0.00000000	0.00000000	0.00000000	0.00000000
22.500	0.00046900	0.00125600	0.00000000	0.00000000	0.00000000	0.00000000
45.000	0.00032800	0.00102800	0.00000000	0.00000000	0.00000000	0.00000000
67.500	0.00016000	0.00045700	0.00000000	0.00000000	0.00000000	0.00000000
90.000	0.00001800	0.00022900	0.00000000	0.00000000	0.00000000	0.00000000
112.500	0.00027400	0.00034300	0.00000000	0.00000000	0.00000000	0.00000000
135.000	0.00002700	0.00034300	0.00000000	0.00000000	0.00000000	0.00000000
157.500	0.00029200	0.00057100	0.00000000	0.00000000	0.00000000	0.00000000
180.000	0.00092500	0.00080000	0.00000000	0.00000000	0.00000000	0.00000000
202.500	0.00017800	0.00068500	0.00000000	0.00000000	0.00000000	0.00000000
225.000	0.00001800	0.00022900	0.00000000	0.00000000	0.00000000	0.00000000
247.500	0.00014200	0.00022900	0.00000000	0.00000000	0.00000000	0.00000000
270.000	0.00016000	0.00045700	0.00000000	0.00000000	0.00000000	0.00000000
292.500	0.00015100	0.00034300	0.00000000	0.00000000	0.00000000	0.00000000
315.000	0.00004500	0.00057100	0.00000000	0.00000000	0.00000000	0.00000000
337.500	0.00045100	0.00102800	0.00000000	0.00000000	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY B

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00541300	0.01084500	0.00822000	0.00000000	0.00000000	0.00000000
22.500	0.00261000	0.00570800	0.00422400	0.00000000	0.00000000	0.00000000
45.000	0.00132200	0.00422400	0.00296900	0.00000000	0.00000000	0.00000000
67.500	0.00118700	0.00171300	0.00102800	0.00000000	0.00000000	0.00000000
90.000	0.00133700	0.00194100	0.00171300	0.00000000	0.00000000	0.00000000
112.500	0.00079700	0.00159900	0.00102800	0.00000000	0.00000000	0.00000000
135.000	0.00078500	0.00148500	0.00091400	0.00000000	0.00000000	0.00000000
157.500	0.00083200	0.00194100	0.00080000	0.00000000	0.00000000	0.00000000
180.000	0.00332400	0.00650700	0.00365300	0.00000000	0.00000000	0.00000000
202.500	0.00141500	0.00148500	0.00068500	0.00000000	0.00000000	0.00000000

225.000	0.00057600	0.00068500	0.00080000	0.00000000	0.00000000	0.00000000
247.500	0.00076100	0.00125600	0.00068500	0.00000000	0.00000000	0.00000000
270.000	0.00104900	0.00159900	0.00102800	0.00000000	0.00000000	0.00000000
292.500	0.00048500	0.00102800	0.00045700	0.00000000	0.00000000	0.00000000
315.000	0.00092300	0.00159900	0.00102800	0.00000000	0.00000000	0.00000000
337.500	0.00219200	0.00411000	0.00159900	0.00000000	0.00000000	0.00000000

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA91.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1991

YEAR: 1991

ANNUAL: STABILITY CATEGORY C

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00173700	0.00959000	0.01860800	0.00239800	0.00000000	0.00000000
22.500	0.00150500	0.00422400	0.01050300	0.00148500	0.00000000	0.00000000
45.000	0.00105200	0.00285400	0.00730600	0.00125600	0.00000000	0.00000000
67.500	0.00069500	0.00216900	0.00274000	0.00045700	0.00000000	0.00000000
90.000	0.00016100	0.00114200	0.00274000	0.00045700	0.00000000	0.00000000
112.500	0.00053500	0.00102800	0.00216900	0.00057100	0.00000000	0.00000000
135.000	0.00042100	0.00114200	0.00137000	0.00137000	0.00000000	0.00000000
157.500	0.00076000	0.00262600	0.00433800	0.00171300	0.00011500	0.00000000
180.000	0.00181100	0.00548000	0.00890500	0.00388200	0.00011500	0.00000000
202.500	0.00094000	0.00205500	0.00194100	0.00000000	0.00000000	0.00000000
225.000	0.00061700	0.00068500	0.00091400	0.00022900	0.00000000	0.00000000
247.500	0.00024300	0.00080000	0.00114200	0.00000000	0.00000000	0.00000000
270.000	0.00022700	0.00068500	0.00091400	0.00000000	0.00000000	0.00000000
292.500	0.00030700	0.00125600	0.00159900	0.00000000	0.00000000	0.00000000
315.000	0.00056700	0.00125600	0.00171300	0.00011500	0.00000000	0.00000000
337.500	0.00121600	0.00216900	0.00422400	0.00022900	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY D

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00790800	0.01906400	0.03287700	0.02020600	0.00080000	0.00000000
22.500	0.00395800	0.01027400	0.02671300	0.00947500	0.00022900	0.00000000
45.000	0.00278900	0.00548000	0.01301400	0.00582200	0.00000000	0.00000000
67.500	0.00122000	0.00433800	0.00490900	0.00182700	0.00000000	0.00000000
90.000	0.00055600	0.00296900	0.00548000	0.00194100	0.00011500	0.00000000
112.500	0.00092000	0.00274000	0.00445300	0.00114200	0.00000000	0.00000000
135.000	0.00117700	0.00411000	0.00456700	0.00228400	0.00022900	0.00000000
157.500	0.00223200	0.00468100	0.00924700	0.00810600	0.00102800	0.00011500
180.000	0.00417900	0.01073100	0.01849400	0.01621100	0.00365300	0.00022900
202.500	0.00152600	0.00308300	0.00319700	0.00057100	0.00034300	0.00000000



225.000	0.00083500	0.00228400	0.00194100	0.00068500	0.00000000	0.00000000
247.500	0.00039300	0.00137000	0.00080000	0.00022900	0.00000000	0.00000000
270.000	0.00189800	0.00216900	0.00080000	0.00045700	0.00022900	0.00000000
292.500	0.00100600	0.00102800	0.00057100	0.00011500	0.00011500	0.00000000
315.000	0.00148400	0.00285400	0.00148500	0.00080000	0.00011500	0.00000000
337.500	0.00274600	0.00525200	0.00570800	0.00171300	0.00000000	0.00000000

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA91.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1991

YEAR: 1991

ANNUAL: STABILITY CATEGORY E

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00000000	0.01552600	0.00799100	0.00000000	0.00000000	0.00000000
22.500	0.00000000	0.00685000	0.00525200	0.00000000	0.00000000	0.00000000
45.000	0.00000000	0.00559400	0.00411000	0.00000000	0.00000000	0.00000000
67.500	0.00000000	0.00353900	0.00228400	0.00000000	0.00000000	0.00000000
90.000	0.00000000	0.00285400	0.00102800	0.00000000	0.00000000	0.00000000
112.500	0.00000000	0.00182700	0.00057100	0.00000000	0.00000000	0.00000000
135.000	0.00000000	0.00262600	0.00011500	0.00000000	0.00000000	0.00000000
157.500	0.00000000	0.00399600	0.00068500	0.00000000	0.00000000	0.00000000
180.000	0.00000000	0.01141600	0.00057100	0.00000000	0.00000000	0.00000000
202.500	0.00000000	0.00228400	0.00045700	0.00000000	0.00000000	0.00000000
225.000	0.00000000	0.00137000	0.00000000	0.00000000	0.00000000	0.00000000
247.500	0.00000000	0.00102800	0.00011500	0.00000000	0.00000000	0.00000000
270.000	0.00000000	0.00034300	0.00022900	0.00000000	0.00000000	0.00000000
292.500	0.00000000	0.00080000	0.00000000	0.00000000	0.00000000	0.00000000
315.000	0.00000000	0.00080000	0.00068500	0.00000000	0.00000000	0.00000000
337.500	0.00000000	0.00445300	0.00182700	0.00000000	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY F

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.06701600	0.01529700	0.00000000	0.00000000	0.00000000	0.00000000
22.500	0.01683000	0.00616500	0.00000000	0.00000000	0.00000000	0.00000000
45.000	0.01840100	0.00559400	0.00000000	0.00000000	0.00000000	0.00000000
67.500	0.00760100	0.00239800	0.00000000	0.00000000	0.00000000	0.00000000
90.000	0.00485700	0.00114200	0.00000000	0.00000000	0.00000000	0.00000000
112.500	0.00651400	0.00148500	0.00000000	0.00000000	0.00000000	0.00000000
135.000	0.00441900	0.00091400	0.00000000	0.00000000	0.00000000	0.00000000
157.500	0.00597100	0.00102800	0.00000000	0.00000000	0.00000000	0.00000000
180.000	0.02223600	0.00342500	0.00000000	0.00000000	0.00000000	0.00000000
202.500	0.01442600	0.00057100	0.00000000	0.00000000	0.00000000	0.00000000

225.000	0.00919900	0.00080000	0.00000000	0.00000000	0.00000000	0.00000000
247.500	0.01086500	0.00080000	0.00000000	0.00000000	0.00000000	0.00000000
270.000	0.01417900	0.00148500	0.00000000	0.00000000	0.00000000	0.00000000
292.500	0.00877000	0.00022900	0.00000000	0.00000000	0.00000000	0.00000000
315.000	0.01628400	0.00171300	0.00000000	0.00000000	0.00000000	0.00000000
337.500	0.04458600	0.00673600	0.00000000	0.00000000	0.00000000	0.00000000

SUM OF FREQUENCIES, FTOTAL = 1.00015

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-911.00	-811.00	-711.00	X-COORD (METERS)		-411.00	-311.00	-211.00	-111.00
				-611.00	-511.00				
794.00	0.013600	0.015026	0.016642	0.018456	0.020477	0.022697	0.027356	0.035896	0.046152
694.00	0.013754	0.014368	0.016015	0.017911	0.020074	0.022510	0.025853	0.034664	0.046455
594.00	0.014119	0.014545	0.015302	0.017268	0.019590	0.022301	0.025282	0.033305	0.046247
494.00	0.014515	0.014990	0.015517	0.016500	0.018929	0.021794	0.025346	0.031991	0.047091
394.00	0.014943	0.015481	0.016087	0.016786	0.017978	0.021278	0.025645	0.031248	0.048557
294.00	0.015400	0.016014	0.016734	0.017394	0.018376	0.020553	0.026238	0.033983	0.051128
194.00	0.015901	0.016576	0.017330	0.018247	0.019663	0.021618	0.025829	0.035673	0.051086
94.00	0.016093	0.016870	0.017920	0.019320	0.021149	0.023970	0.027461	0.035424	0.056034
-6.00	0.016496	0.017278	0.018231	0.019796	0.022315	0.026222	0.031201	0.038568	0.057504
-106.00	0.016900	0.017734	0.018762	0.020701	0.023676	0.027712	0.034392	0.047745	0.067549
-206.00	0.017320	0.018189	0.019285	0.021488	0.025004	0.030089	0.038816	0.054977	0.093907
-306.00	0.018711	0.019772	0.021129	0.023730	0.027951	0.034045	0.044303	0.063286	0.128736
-406.00	0.019384	0.020583	0.022134	0.024965	0.029271	0.036311	0.052099	0.081648	0.146513
-506.00	0.019970	0.021342	0.022960	0.026994	0.033884	0.043956	0.059491	0.088967	0.135857
-606.00	0.020541	0.023081	0.026384	0.031017	0.038452	0.049729	0.065716	0.088445	0.122769
-706.00	0.023019	0.025882	0.030105	0.035493	0.043230	0.054328	0.067456	0.084593	0.115859
-806.00	0.025848	0.029641	0.034295	0.040003	0.046562	0.055243	0.066843	0.078916	0.109207
-906.00	0.029272	0.033203	0.037897	0.043263	0.048948	0.055355	0.063174	0.077208	0.103513
-1006.00	0.032334	0.036304	0.040707	0.045257	0.050465	0.055099	0.060696	0.076154	0.096254
-1106.00	0.035023	0.038752	0.042517	0.046743	0.050348	0.054551	0.060525	0.075974	0.093650
-1206.00	0.037161	0.040378	0.043937	0.046863	0.050226	0.054063	0.062721	0.076250	0.092167
-1306.00	0.038614	0.041692	0.044164	0.046958	0.050109	0.053701	0.064262	0.076438	0.091197
-1406.00	0.039811	0.041961	0.044358	0.047030	0.049992	0.055396	0.065290	0.076911	0.090273

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)								
	-11.00	89.00	189.00	289.00	389.00	489.00	589.00	689.00	789.00
794.00	0.056974	0.062991	0.060929	0.048395	0.036310	0.026026	0.019637	0.015642	0.014095
694.00	0.058937	0.065412	0.061708	0.047287	0.033592	0.024327	0.017772	0.015292	0.013635
594.00	0.060794	0.067664	0.061752	0.045076	0.029988	0.022373	0.016837	0.014786	0.013032
494.00	0.065694	0.073679	0.064134	0.043386	0.028550	0.020259	0.016214	0.014053	0.012523
394.00	0.073700	0.083612	0.069168	0.041513	0.028099	0.018535	0.015356	0.013363	0.012358
294.00	0.083153	0.095652	0.072315	0.040228	0.025683	0.017695	0.014992	0.013262	0.012123
194.00	0.097209	0.114684	0.073708	0.040253	0.021319	0.016692	0.014858	0.013296	0.012268
94.00	0.117222	0.141333	0.073798	0.039505	0.019634	0.016627	0.014716	0.013450	0.012447
-6.00	0.143859	0.178774	0.085570	0.034026	0.020572	0.016628	0.014968	0.014306	0.013720
-106.00	0.151970	0.181826	0.105847	0.028409	0.022488	0.018807	0.017068	0.015938	0.015404
-206.00	0.321148	0.308987	0.164849	0.037992	0.027336	0.022280	0.019931	0.018289	0.017335
-306.00	0.432759	0.258646	0.043593	0.028208	0.022646	0.019058	0.017517	0.016439	0.015958
-406.00	0.302795	0.312740	0.187870	0.036380	0.022481	0.015950	0.013992	0.013451	0.013333
-506.00	0.238320	0.250205	0.137695	0.043874	0.026624	0.019610	0.015321	0.012654	0.011323
-606.00	0.195693	0.207692	0.129452	0.051082	0.030587	0.022641	0.018255	0.015174	0.012970
-706.00	0.164747	0.176832	0.127063	0.056193	0.032817	0.025508	0.020635	0.017316	0.015008
-806.00	0.145268	0.156722	0.122087	0.060853	0.034952	0.028107	0.022982	0.019102	0.016632
-906.00	0.132973	0.143069	0.118860	0.071745	0.041105	0.030526	0.025664	0.021369	0.017908
-1006.00	0.122288	0.131504	0.114601	0.077777	0.045836	0.032732	0.027782	0.023622	0.020016
-1106.00	0.114651	0.122755	0.109816	0.080208	0.052585	0.036317	0.030030	0.025973	0.022303
-1206.00	0.109707	0.117067	0.107739	0.082657	0.059150	0.040411	0.032111	0.028127	0.024444
-1306.00	0.106847	0.114085	0.107513	0.085595	0.064720	0.045689	0.034590	0.029998	0.026384
-1406.00	0.104324	0.111337	0.106775	0.087420	0.068760	0.051406	0.038137	0.031612	0.028108

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	889.00	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00
794.00	0.012719	0.011506	0.010602	0.010051	0.009556
694.00	0.012197	0.011148	0.010529	0.009984	0.009717
594.00	0.011780	0.011068	0.010456	0.010146	0.009878
494.00	0.011678	0.010975	0.010612	0.010304	0.010037
394.00	0.011542	0.011111	0.010757	0.010457	0.010194
294.00	0.011622	0.011225	0.010893	0.010607	0.010406
194.00	0.011682	0.011322	0.011199	0.011117	0.011009
94.00	0.012218	0.012074	0.011978	0.011844	0.011691
-6.00	0.013270	0.013066	0.012906	0.012700	0.012460
-106.00	0.014715	0.014308	0.013967	0.013641	0.013290
-206.00	0.016339	0.015673	0.015130	0.014650	0.014172
-306.00	0.015318	0.014846	0.014466	0.014102	0.013714
-406.00	0.013235	0.013063	0.012906	0.012737	0.012512
-506.00	0.011416	0.011428	0.011461	0.011448	0.011364
-606.00	0.011376	0.010358	0.010217	0.010272	0.010299
-706.00	0.013144	0.011710	0.010606	0.009766	0.009386
-806.00	0.014667	0.013150	0.011902	0.010853	0.009973
-906.00	0.016011	0.014426	0.013081	0.011940	0.010971
-1006.00	0.017127	0.015510	0.014119	0.012923	0.011892
-1106.00	0.019043	0.016408	0.015010	0.013789	0.012722
-1206.00	0.021115	0.018149	0.015757	0.014534	0.013451
-1306.00	0.023060	0.020048	0.017347	0.015164	0.014085
-1406.00	0.024836	0.021826	0.019089	0.016624	0.014622

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

Y-COORD (METERS)	** CONC OF NOX IN MICROGRAMS/M**3 **								
	-5311.00	-4811.00	-4311.00	X-COORD (METERS)		-2811.00	-2311.00	-1811.00	-1311.00
				-3811.00	-3311.00				
5194.00	0.005219	0.005889	0.006661	0.007541	0.008543	0.009669	0.010916	0.013651	0.017631
4694.00	0.005359	0.005530	0.006321	0.007247	0.008321	0.009553	0.010943	0.012969	0.017472
4194.00	0.005509	0.005684	0.005884	0.006844	0.007983	0.009322	0.010867	0.012610	0.017062
3694.00	0.005662	0.005853	0.006066	0.006313	0.007501	0.008936	0.010642	0.012621	0.016261
3194.00	0.005822	0.006032	0.006269	0.006536	0.006848	0.008354	0.010210	0.012440	0.015154
2694.00	0.005989	0.006221	0.006486	0.006787	0.007129	0.007533	0.009492	0.011958	0.014956
2194.00	0.006161	0.006418	0.006714	0.007056	0.007450	0.007896	0.008426	0.011064	0.014485
1694.00	0.006359	0.006623	0.006952	0.007340	0.007793	0.008315	0.008917	0.009669	0.013383
1194.00	0.006598	0.006910	0.007263	0.007665	0.008155	0.008773	0.009500	0.010342	0.011424
694.00	0.006847	0.007211	0.007631	0.008120	0.008684	0.009341	0.010118	0.011180	0.012455
194.00	0.007099	0.007516	0.008006	0.008586	0.009271	0.010081	0.011051	0.012208	0.013725
-306.00	0.007379	0.007856	0.008425	0.009112	0.009943	0.010957	0.012222	0.013804	0.015928
-806.00	0.007780	0.008301	0.008922	0.009669	0.010576	0.011679	0.013058	0.014842	0.017877
-1306.00	0.008170	0.008731	0.009396	0.010195	0.011164	0.012333	0.014207	0.019090	0.027813
-1806.00	0.008535	0.009124	0.009818	0.010645	0.012181	0.015169	0.019426	0.025640	0.034175
-2306.00	0.008861	0.009525	0.010848	0.012805	0.015376	0.018819	0.023449	0.029381	0.035032
-2806.00	0.009852	0.011247	0.012983	0.015170	0.017954	0.021511	0.025854	0.029948	0.035097
-3306.00	0.011413	0.012945	0.014812	0.017103	0.019924	0.023234	0.026292	0.030077	0.034552
-3806.00	0.012798	0.014407	0.016327	0.018623	0.021248	0.023611	0.026455	0.029811	0.034526
-4306.00	0.013998	0.015635	0.017549	0.019694	0.021565	0.023777	0.026362	0.029322	0.035663
-4806.00	0.015018	0.016645	0.018442	0.019960	0.021728	0.023771	0.026100	0.028871	0.036496
-5306.00	0.015844	0.017404	0.018663	0.020110	0.021763	0.023635	0.025725	0.029255	0.036865
-5806.00	0.016467	0.017563	0.018795	0.020161	0.021696	0.023405	0.025280	0.030131	0.036944

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-811.00	-311.00	189.00	X-COORD (METERS)		1689.00	2189.00	2689.00	3189.00
				689.00	1189.00				
5194.00	0.021902	0.026328	0.030384	0.025171	0.019990	0.015042	0.010481	0.007907	0.007138
4694.00	0.022390	0.027548	0.032263	0.026134	0.020072	0.014354	0.009275	0.007848	0.007000
4194.00	0.022788	0.028890	0.034457	0.027135	0.019946	0.013278	0.008798	0.007735	0.006804
3694.00	0.022997	0.030341	0.037041	0.028125	0.019468	0.011660	0.008744	0.007546	0.006528
3194.00	0.022812	0.031803	0.040022	0.028940	0.018360	0.010167	0.008588	0.007246	0.006148
2694.00	0.021953	0.033207	0.043564	0.029391	0.016234	0.010093	0.008263	0.006788	0.005760
2194.00	0.019916	0.034290	0.047730	0.028939	0.013028	0.009760	0.007697	0.006307	0.005975
1694.00	0.018351	0.034310	0.052317	0.026399	0.012073	0.009007	0.007087	0.006636	0.006235
1194.00	0.017044	0.032014	0.057146	0.020331	0.011073	0.008206	0.007554	0.007025	0.006548
694.00	0.014368	0.025853	0.061708	0.015292	0.009984	0.008873	0.008127	0.007652	0.007204
194.00	0.016576	0.025829	0.073708	0.013296	0.011117	0.010430	0.009564	0.008736	0.008040
-306.00	0.019772	0.044303	0.043593	0.016439	0.014102	0.012271	0.010798	0.009617	0.008705
-806.00	0.029641	0.066843	0.122087	0.019102	0.010853	0.008729	0.008484	0.007997	0.007497
-1306.00	0.041692	0.064262	0.107513	0.029998	0.015164	0.010743	0.008165	0.006582	0.006353
-1806.00	0.042569	0.068280	0.101979	0.041793	0.022300	0.012786	0.009949	0.007988	0.006566
-2306.00	0.042613	0.068838	0.094427	0.052531	0.026608	0.017612	0.011101	0.009105	0.007586
-2806.00	0.044809	0.067149	0.086932	0.056192	0.029528	0.020921	0.014622	0.009842	0.008361
-3306.00	0.046624	0.064524	0.080238	0.056760	0.035028	0.022884	0.017210	0.012553	0.008925
-3806.00	0.047076	0.061595	0.074340	0.055825	0.038217	0.024003	0.019025	0.014720	0.011139
-4306.00	0.046738	0.058766	0.069352	0.054356	0.039860	0.026777	0.020300	0.016387	0.012998
-4806.00	0.046031	0.056176	0.065144	0.052731	0.040603	0.029405	0.021212	0.017677	0.014516
-5306.00	0.045168	0.053871	0.061609	0.051135	0.040833	0.031162	0.022482	0.018685	0.015758
-5806.00	0.044252	0.051830	0.058608	0.049630	0.040758	0.032329	0.024597	0.019480	0.016777



\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	3689.00	4189.00	4689.00	5189.00	5689.00
5194.00	0.006447	0.005836	0.005303	0.004830	0.004449
4694.00	0.006255	0.005611	0.005061	0.004632	0.004507
4194.00	0.006006	0.005333	0.004822	0.004687	0.004568
3694.00	0.005683	0.005056	0.004893	0.004750	0.004625
3194.00	0.005358	0.005156	0.004978	0.004823	0.004691
2694.00	0.005503	0.005275	0.005078	0.004910	0.004767
2194.00	0.005678	0.005418	0.005197	0.005011	0.004855
1694.00	0.005888	0.005588	0.005342	0.005184	0.005066
1194.00	0.006180	0.005914	0.005690	0.005501	0.005344
694.00	0.006771	0.006403	0.006097	0.005849	0.005648
194.00	0.007421	0.006924	0.006529	0.006216	0.005969
-306.00	0.007938	0.007344	0.006883	0.006525	0.006243
-806.00	0.007001	0.006586	0.006247	0.005975	0.005757
-1306.00	0.006090	0.005838	0.005615	0.005427	0.005273
-1806.00	0.005521	0.005145	0.005019	0.004906	0.004808
-2306.00	0.006432	0.005545	0.004856	0.004430	0.004378
-2806.00	0.007190	0.006257	0.005511	0.004912	0.004424
-3306.00	0.007795	0.006864	0.006097	0.005465	0.004941
-3806.00	0.008267	0.007369	0.006608	0.005965	0.005420
-4306.00	0.010134	0.007783	0.007046	0.006408	0.005856
-4806.00	0.011759	0.009396	0.007417	0.006796	0.006248
-5306.00	0.013138	0.010834	0.008834	0.007131	0.006575
-5806.00	0.014306	0.012086	0.010118	0.008371	0.006855

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE: 1407 \*\*\*

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

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.135043	AT (	189.00, -406.00) GC	6.	0.059945	AT (	189.00, -2306.00) GC
2.	0.112606	AT (	189.00, -206.00) GC	7.	0.059563	AT (	189.00, -2806.00) GC
3.	0.088516	AT (	189.00, -506.00) GC	8.	0.057838	AT (	189.00, -3306.00) GC
4.	0.069490	AT (	189.00, -106.00) GC	9.	0.057026	AT (	189.00, -1806.00) GC
5.	0.064713	AT (	189.00, -606.00) GC	10.	0.055598	AT (	189.00, -3806.00) GC

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE: GEN03 \*\*\*

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.420081	AT (	-11.00, -306.00) GC	6.	0.240499	AT (	89.00, -306.00) GC
2.	0.312011	AT (	-11.00, -206.00) GC	7.	0.214034	AT (	-11.00, -506.00) GC
3.	0.292003	AT (	89.00, -206.00) GC	8.	0.208315	AT (	89.00, -506.00) GC
4.	0.289045	AT (	-11.00, -406.00) GC	9.	0.170054	AT (	-11.00, -606.00) GC
5.	0.269488	AT (	89.00, -406.00) GC	10.	0.168603	AT (	89.00, -606.00) GC

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

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1991 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.432759	AT (	-11.00, -306.00) GC	6.	0.258646	AT (	89.00, -306.00) GC
2.	0.321148	AT (	-11.00, -206.00) GC	7.	0.250205	AT (	89.00, -506.00) GC
3.	0.312740	AT (	89.00, -406.00) GC	8.	0.238320	AT (	-11.00, -506.00) GC
4.	0.308987	AT (	89.00, -206.00) GC	9.	0.207692	AT (	89.00, -606.00) GC
5.	0.302795	AT (	-11.00, -406.00) GC	10.	0.195693	AT (	-11.00, -606.00) GC

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

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* SOURCE 1407 CONTRIBUTIONS TO THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*

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

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.012677	AT (	-11.00, -306.00) GC	6.	0.018148	AT (	89.00, -306.00) GC
2.	0.009137	AT (	-11.00, -206.00) GC	7.	0.041890	AT (	89.00, -506.00) GC
3.	0.043252	AT (	89.00, -406.00) GC	8.	0.024285	AT (	-11.00, -506.00) GC
4.	0.016984	AT (	89.00, -206.00) GC	9.	0.039089	AT (	89.00, -606.00) GC
5.	0.013749	AT (	-11.00, -406.00) GC	10.	0.025639	AT (	-11.00, -606.00) GC

\*\*\* SOURCE GEN03 CONTRIBUTIONS TO THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.420081	AT (	-11.00, -306.00) GC	6.	0.240499	AT (	89.00, -306.00) GC
2.	0.312011	AT (	-11.00, -206.00) GC	7.	0.208315	AT (	89.00, -506.00) GC
3.	0.269488	AT (	89.00, -406.00) GC	8.	0.214034	AT (	-11.00, -506.00) GC
4.	0.292003	AT (	89.00, -206.00) GC	9.	0.168603	AT (	89.00, -606.00) GC
5.	0.289045	AT (	-11.00, -406.00) GC	10.	0.170054	AT (	-11.00, -606.00) GC

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

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1991 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* Message Summary : ISCLT3 Model Execution \*\*\*

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

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

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

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

\*\*\*\*\*  
\*\*\* ISCLT3 Finishes Successfully \*\*\*  
\*\*\*\*\*

ISCLT3 NO<sub>x</sub> 1992

\*\* The results for this run are in file 14LT92D.OUT

CO STARTING

TITLEONE FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx  
TITLETWO Revised building height = 38'  
MODELOPT DFAULT CONC RURAL  
AVERTIME ANNUAL  
POLLUTID NOX  
RUNORNOT RUN

CO FINISHED

SO STARTING

SO LOCATION 1407 POINT 189.36 -305.90

** Parameters	QS	HS	TS	VS	DS
SO SRCPARAM 1407	1.109	17.68	718.1	13.85	2.66

SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDWID 1407	27.06	26.26	26.33	27.03	23.63	16.62
SO BUILDWID 1407	16.81	23.74	27.06	26.26	26.33	27.03
SO BUILDWID 1407	23.63	16.62	16.81	23.74		

SO LOCATION GEN03 POINT 50.98 -206.27

** Parameters	QS	HS	TS	VS	DS
SO SRCPARAM GEN03	0.020	6.10	644.26	45.49	0.2

SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDWID GEN03	60.78	105.12	133.46	141.48	127.96	94.96
SO BUILDWID GEN03	47.50	7.19	60.78	105.12	133.46	141.48
SO BUILDWID GEN03	127.96	94.95	47.50	7.19		

SO SRCGROUP ALL

SO FINISHED

RE STARTING

GRIDCART 100MGrid STA  
GRIDCART 100MGrid XYINC -911 23 100 -1406 23 100  
GRIDCART 100MGrid END  
GRIDCART 500MGrid STA  
GRIDCART 500MGrid XYINC -5311 23 500 -5806 23 500  
GRIDCART 500MGrid END

RE FINISHED

```

ME STARTING
INPUTFIL TALLA92.STA
ANEMHGHT 10.
SURFDATA 93805 1992 TALLAHASSE
UAIRDATA 12832 1991 APALACHICOLA
STARDATA ANNUAL

```

```

**          - AMBIENT AIR TEMPERATURE (DEGREES KELVIN) -
**
**          STAB      STAB      STAB      STAB      STAB      STAB
**          CAT 1     CAT 2     CAT 3     CAT 4     CAT 5     CAT 6
**          -----
**
AVETEMPS ANNUAL 299.1 299.1 299.1 292.7 286.3 286.3

```

```

**          - MIXING LAYER HEIGHT (METERS) -
**
**          S
**          T      WS      WS      WS      WS      WS      WS
**          SEAS A  CAT 1   CAT 2   CAT 3   CAT 4   CAT 5   CAT 6
**          ---- B  -----
**
AVEMIXHT ANNUAL 1 .195E+04 .195E+04 .195E+04 .195E+04 .195E+04 .195E+04
AVEMIXHT ANNUAL 2 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04
AVEMIXHT ANNUAL 3 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04
AVEMIXHT ANNUAL 4 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04 .130E+04
AVEMIXHT ANNUAL 5 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05
AVEMIXHT ANNUAL 6 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05 .100E+05

```

ME FINISHED

```

OU STARTING
RECTABLE SRCGRP
MAXTABLE 10 INDSRC SRCGRP SOCONT
OU FINISHED

```

```

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

```



\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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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 Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

\*\*Model Uses NO plume DEPLETION.

\*\*Model Uses RURAL Dispersion.

\*\*Model Uses Regulatory DEFAULT Options:

1. Final Plume Rise.
2. Stack-tip Downwash.
3. Buoyancy-induced Dispersion.
4. Default Wind Profile Exponents.
5. Default Vertical Potential Temperature Gradients.
6. "Upper Bound" Values For Supersquat Buildings.
7. No Exponential Decay for RURAL Mode

\*\*Model Assumes Receptors on FLAT Terrain.

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*Model Calculates 1 STAR Average(s) for the Following Months: 0 0 0 0 0 0 0 0 0 0 0 0  
Seasons/Quarters: 0 0 0 0  
and Annual: 1

\*\*Data File Includes 1 STAR Summaries for the Following Months: 0 0 0 0 0 0 0 0 0 0 0 0  
Seasons/Quarters: 0 0 0 0  
and Annual: 1

\*\*This Run Includes: 2 Source(s); 1 Source Group(s); and 1058 Receptor(s)

\*\*The Model Assumes A Pollutant Type of: NOX

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

\*\*Output Options Selected:

Model Outputs Tables of Long Term Values by Receptor (RECTABLE Keyword)  
Model Outputs Tables of Maximum Long Term Values (MAXTABLE Keyword)

\*\*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: 14LT92d.IN ; \*\*Output Print File: 14LT92d.OUT

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
1407	0	0.11090E+01	189.4	-305.9	0.0	17.68	718.10	13.85	2.66	YES	
GEN03	0	0.20000E-01	51.0	-206.3	0.0	6.10	644.26	45.49	0.20	YES	

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

GROUP ID

SOURCE IDs

ALL 1407 , GEN03 ,

\*\*\* ISCL13 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: 1407

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	11.6,	27.1,	0	2	11.6,	26.3,	0	3	11.6,	26.3,	0	4	11.6,	27.0,	0
5	11.6,	23.6,	0	6	11.6,	16.6,	0	7	11.6,	16.8,	0	8	11.6,	23.7,	0
9	11.6,	27.1,	0	10	11.6,	26.3,	0	11	11.6,	26.3,	0	12	11.6,	27.0,	0
13	11.6,	23.6,	0	14	11.6,	16.6,	0	15	11.6,	16.8,	0	16	11.6,	23.7,	0

SOURCE ID: GEN03

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	9.9,	60.8,	0	2	9.9,	105.1,	0	3	9.9,	133.5,	0	4	9.9,	141.5,	0
5	9.9,	128.0,	0	6	9.9,	95.0,	0	7	9.9,	47.5,	0	8	9.9,	7.2,	0
9	9.9,	60.8,	0	10	9.9,	105.1,	0	11	9.9,	133.5,	0	12	9.9,	141.5,	0
13	9.9,	128.0,	0	14	9.9,	95.0,	0	15	9.9,	47.5,	0	16	9.9,	7.2,	0

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-911.0,	-811.0,	-711.0,	-611.0,	-511.0,	-411.0,	-311.0,	-211.0,	-111.0,	-11.0,
89.0,	189.0,	289.0,	389.0,	489.0,	589.0,	689.0,	789.0,	889.0,	989.0,
1089.0,	1189.0,	1289.0,							

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-1406.0,	-1306.0,	-1206.0,	-1106.0,	-1006.0,	-906.0,	-806.0,	-706.0,	-606.0,	-506.0,
-406.0,	-306.0,	-206.0,	-106.0,	-6.0,	94.0,	194.0,	294.0,	394.0,	494.0,
594.0,	694.0,	794.0,							

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-5311.0,	-4811.0,	-4311.0,	-3811.0,	-3311.0,	-2811.0,	-2311.0,	-1811.0,	-1311.0,	-811.0,
-311.0,	189.0,	689.0,	1189.0,	1689.0,	2189.0,	2689.0,	3189.0,	3689.0,	4189.0,
4689.0,	5189.0,	5689.0,							

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-5806.0,	-5306.0,	-4806.0,	-4306.0,	-3806.0,	-3306.0,	-2806.0,	-2306.0,	-1806.0,	-1306.0,
-806.0,	-306.0,	194.0,	694.0,	1194.0,	1694.0,	2194.0,	2694.0,	3194.0,	3694.0,
4194.0,	4694.0,	5194.0,							

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

11/26/99  
13:28:03  
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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
LESS THAN 1.0 METER OR 3\*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS) YR (METERS)	DISTANCE (METERS)
1407	189.0 -306.0	0.37
1407	189.0 -306.0	0.37

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* AVERAGE SPEED FOR EACH WIND SPEED CATEGORY \*\*\*  
 (METERS/SEC)

1.50, 2.50, 4.30, 6.80, 9.50, 12.50,

\*\*\* WIND PROFILE EXPONENTS \*\*\*

STABILITY CATEGORY	WIND SPEED 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 CATEGORY	WIND SPEED 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

\*\*\* AVERAGE AMBIENT AIR TEMPERATURE (KELVIN) \*\*\*

	STABILITY CATEGORY A	STABILITY CATEGORY B	STABILITY CATEGORY C	STABILITY CATEGORY D	STABILITY CATEGORY E	STABILITY CATEGORY F
ANNUAL	299.1000	299.1000	299.1000	292.7000	286.3000	286.3000

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx \*\*\*

11/26/99

\*\*\* Revised building height = 38' \*\*\*

13:28:03

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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\*\*\* AVERAGE MIXING LAYER HEIGHT (METERS) \*\*\*

	ANNUAL					
	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED
	CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4	CATEGORY 5	CATEGORY 6
STABILITY CATEGORY A	1949.9999	1949.9999	1949.9999	1949.9999	1949.9999	1949.9999
STABILITY CATEGORY B	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY C	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY D	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000	1300.0000
STABILITY CATEGORY E	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000
STABILITY CATEGORY F	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000	10000.0000

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA92.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1992

YEAR: 1991

ANNUAL: STABILITY CATEGORY A

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00054800	0.00091100	0.00000000	0.00000000	0.00000000	0.00000000
22.500	0.00027400	0.00045600	0.00000000	0.00000000	0.00000000	0.00000000
45.000	0.00013700	0.00022800	0.00000000	0.00000000	0.00000000	0.00000000
67.500	0.00017500	0.00079700	0.00000000	0.00000000	0.00000000	0.00000000
90.000	0.00052500	0.00057000	0.00000000	0.00000000	0.00000000	0.00000000
112.500	0.00043400	0.00102500	0.00000000	0.00000000	0.00000000	0.00000000
135.000	0.00019100	0.00102500	0.00000000	0.00000000	0.00000000	0.00000000
157.500	0.00028900	0.00068400	0.00000000	0.00000000	0.00000000	0.00000000
180.000	0.00065400	0.00068400	0.00000000	0.00000000	0.00000000	0.00000000
202.500	0.00016800	0.00068400	0.00000000	0.00000000	0.00000000	0.00000000
225.000	0.00030500	0.00091100	0.00000000	0.00000000	0.00000000	0.00000000
247.500	0.00021400	0.00136700	0.00000000	0.00000000	0.00000000	0.00000000
270.000	0.00072200	0.00170800	0.00000000	0.00000000	0.00000000	0.00000000
292.500	0.00036600	0.00182200	0.00000000	0.00000000	0.00000000	0.00000000
315.000	0.00029700	0.00079700	0.00000000	0.00000000	0.00000000	0.00000000
337.500	0.00028900	0.00068400	0.00000000	0.00000000	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY B

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00360900	0.00694500	0.00455400	0.00000000	0.00000000	0.00000000
22.500	0.00073100	0.00307400	0.00205000	0.00000000	0.00000000	0.00000000
45.000	0.00114300	0.00364300	0.00182200	0.00000000	0.00000000	0.00000000
67.500	0.00160600	0.00170800	0.00159400	0.00000000	0.00000000	0.00000000
90.000	0.00190500	0.00239100	0.00193600	0.00000000	0.00000000	0.00000000
112.500	0.00219400	0.00296000	0.00170800	0.00000000	0.00000000	0.00000000
135.000	0.00229100	0.00261900	0.00136700	0.00000000	0.00000000	0.00000000
157.500	0.00150100	0.00193600	0.00102500	0.00000000	0.00000000	0.00000000
180.000	0.00399200	0.00398500	0.00239100	0.00000000	0.00000000	0.00000000
202.500	0.00111500	0.00170800	0.00125300	0.00000000	0.00000000	0.00000000

225.000	0.00137800	0.00193600	0.00193600	0.00000000	0.00000000	0.00000000
247.500	0.00144800	0.00125300	0.00136700	0.00000000	0.00000000	0.00000000
270.000	0.00135300	0.00318800	0.00216400	0.00000000	0.00000000	0.00000000
292.500	0.00221200	0.00318800	0.00136700	0.00000000	0.00000000	0.00000000
315.000	0.00063500	0.00341600	0.00227700	0.00000000	0.00000000	0.00000000
337.500	0.00203800	0.00409900	0.00284700	0.00000000	0.00000000	0.00000000



\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA92.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1992

YEAR: 1991

ANNUAL: STABILITY CATEGORY C

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00123700	0.00637600	0.01559700	0.00307400	0.00000000	0.00000000
22.500	0.00084300	0.00148000	0.00535100	0.00125300	0.00000000	0.00000000
45.000	0.00082000	0.00227700	0.00614800	0.00182200	0.00000000	0.00000000
67.500	0.00070600	0.00239100	0.00398500	0.00079700	0.00000000	0.00000000
90.000	0.00047800	0.00261900	0.00466800	0.00057000	0.00000000	0.00000000
112.500	0.00072900	0.00159400	0.00307400	0.00011400	0.00000000	0.00000000
135.000	0.00084300	0.00148000	0.00296000	0.00011400	0.00000000	0.00000000
157.500	0.00050100	0.00182200	0.00364300	0.00079700	0.00011400	0.00000000
180.000	0.00192800	0.00284700	0.00740000	0.00250500	0.00000000	0.00000000
202.500	0.00084300	0.00148000	0.00216400	0.00022800	0.00000000	0.00000000
225.000	0.00041800	0.00216400	0.00159400	0.00045600	0.00000000	0.00000000
247.500	0.00031100	0.00136700	0.00159400	0.00011400	0.00000000	0.00000000
270.000	0.00078900	0.00205000	0.00170800	0.00000000	0.00000000	0.00000000
292.500	0.00110800	0.00250500	0.00318800	0.00011400	0.00000000	0.00000000
315.000	0.00087300	0.00364300	0.00466800	0.00034200	0.00000000	0.00000000
337.500	0.00101700	0.00375700	0.00637600	0.00045600	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY D

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00514200	0.01013300	0.01969500	0.01115700	0.00022800	0.00000000
22.500	0.00169700	0.00580700	0.01377600	0.00603400	0.00011400	0.00000000
45.000	0.00201900	0.00535100	0.01639400	0.00683100	0.00011400	0.00000000
67.500	0.00181700	0.00421300	0.01092900	0.00353000	0.00000000	0.00000000
90.000	0.00170400	0.00432700	0.00762800	0.00364300	0.00000000	0.00000000
112.500	0.00161000	0.00455400	0.00489600	0.00170800	0.00000000	0.00000000
135.000	0.00315100	0.00569300	0.00546500	0.00193600	0.00000000	0.00000000
157.500	0.00244800	0.00626200	0.01036000	0.00580700	0.00068400	0.00000000
180.000	0.00469300	0.00910800	0.01935400	0.01161300	0.00057000	0.00000000
202.500	0.00159600	0.00296000	0.00239100	0.00170800	0.00000000	0.00000000

225.000	0.00171000	0.00284700	0.00227700	0.00079700	0.00000000	0.00000000
247.500	0.00147500	0.00227700	0.00113900	0.00034200	0.00000000	0.00000000
270.000	0.00182400	0.00273300	0.00182200	0.00045600	0.00000000	0.00000000
292.500	0.00122700	0.00239100	0.00216400	0.00022800	0.00000000	0.00000000
315.000	0.00198500	0.00364300	0.00364300	0.00113900	0.00000000	0.00000000
337.500	0.00245400	0.00478200	0.00637600	0.00261900	0.00000000	0.00000000

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* FREQUENCY OF OCCURRENCE OF WIND SPEED, DIRECTION AND STABILITY \*\*\*

FILE: TALLA92.STA

FORMAT: (6F10.0)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLHASSE

NAME: APALACHICOLA

YEAR: 1992

YEAR: 1991

ANNUAL: STABILITY CATEGORY E

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.00000000	0.00762800	0.00466800	0.00000000	0.00000000	0.00000000
22.500	0.00000000	0.00261900	0.00136700	0.00000000	0.00000000	0.00000000
45.000	0.00000000	0.00205000	0.00273300	0.00000000	0.00000000	0.00000000
67.500	0.00000000	0.00296000	0.00284700	0.00000000	0.00000000	0.00000000
90.000	0.00000000	0.00489600	0.00216400	0.00000000	0.00000000	0.00000000
112.500	0.00000000	0.00455400	0.00091100	0.00000000	0.00000000	0.00000000
135.000	0.00000000	0.00603400	0.00045600	0.00000000	0.00000000	0.00000000
157.500	0.00000000	0.00432700	0.00045600	0.00000000	0.00000000	0.00000000
180.000	0.00000000	0.00592000	0.00170800	0.00000000	0.00000000	0.00000000
202.500	0.00000000	0.00250500	0.00079700	0.00000000	0.00000000	0.00000000
225.000	0.00000000	0.00125300	0.00068400	0.00000000	0.00000000	0.00000000
247.500	0.00000000	0.00182200	0.00022800	0.00000000	0.00000000	0.00000000
270.000	0.00000000	0.00193600	0.00091100	0.00000000	0.00000000	0.00000000
292.500	0.00000000	0.00136700	0.00057000	0.00000000	0.00000000	0.00000000
315.000	0.00000000	0.00216400	0.00159400	0.00000000	0.00000000	0.00000000
337.500	0.00000000	0.00603400	0.00091100	0.00000000	0.00000000	0.00000000

ANNUAL: STABILITY CATEGORY F

DIRECTION (DEGREES)	WIND SPEED CATEGORY 1 ( 1.500 M/S)	WIND SPEED CATEGORY 2 ( 2.500 M/S)	WIND SPEED CATEGORY 3 ( 4.300 M/S)	WIND SPEED CATEGORY 4 ( 6.800 M/S)	WIND SPEED CATEGORY 5 ( 9.500 M/S)	WIND SPEED CATEGORY 6 (12.500 M/S)
0.000	0.03832600	0.01275100	0.00000000	0.00000000	0.00000000	0.00000000
22.500	0.00780800	0.00296000	0.00000000	0.00000000	0.00000000	0.00000000
45.000	0.00813300	0.00318800	0.00000000	0.00000000	0.00000000	0.00000000
67.500	0.01357200	0.00409900	0.00000000	0.00000000	0.00000000	0.00000000
90.000	0.01165600	0.00353000	0.00000000	0.00000000	0.00000000	0.00000000
112.500	0.00477400	0.00102500	0.00000000	0.00000000	0.00000000	0.00000000
135.000	0.00813500	0.00125300	0.00000000	0.00000000	0.00000000	0.00000000
157.500	0.00560200	0.00102500	0.00000000	0.00000000	0.00000000	0.00000000
180.000	0.01480700	0.00341600	0.00000000	0.00000000	0.00000000	0.00000000
202.500	0.01592800	0.00284700	0.00000000	0.00000000	0.00000000	0.00000000

225.000	0.01378500	0.00250500	0.00000000	0.00000000	0.00000000	0.00000000
247.500	0.02783200	0.00364300	0.00000000	0.00000000	0.00000000	0.00000000
270.000	0.03044700	0.00296000	0.00000000	0.00000000	0.00000000	0.00000000
292.500	0.02403200	0.00330200	0.00000000	0.00000000	0.00000000	0.00000000
315.000	0.02937200	0.00569300	0.00000000	0.00000000	0.00000000	0.00000000
337.500	0.03166000	0.00671700	0.00000000	0.00000000	0.00000000	0.00000000

SUM OF FREQUENCIES, FTOTAL = 1.00014

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)								
	-911.00	-811.00	-711.00	-611.00	-511.00	-411.00	-311.00	-211.00	-111.00
794.00	0.021031	0.021422	0.021825	0.022235	0.022644	0.023042	0.025373	0.030832	0.037393
694.00	0.021386	0.022180	0.022648	0.023133	0.023625	0.024110	0.025128	0.030699	0.038368
594.00	0.021537	0.022647	0.023627	0.024222	0.024853	0.025480	0.025970	0.030606	0.039108
494.00	0.021665	0.022867	0.024263	0.025535	0.026308	0.027012	0.027882	0.030903	0.040907
394.00	0.021765	0.023059	0.024602	0.026433	0.027955	0.029162	0.030608	0.032211	0.043467
294.00	0.021825	0.023210	0.024912	0.026753	0.029269	0.031946	0.034351	0.037393	0.047356
194.00	0.021868	0.023287	0.024999	0.027219	0.030301	0.034201	0.038547	0.043152	0.050368
94.00	0.023765	0.024508	0.025472	0.027663	0.031163	0.036118	0.042219	0.049915	0.060660
-6.00	0.026067	0.027066	0.028274	0.030197	0.033076	0.037774	0.045876	0.057475	0.074329
-106.00	0.028449	0.029821	0.031480	0.034323	0.038387	0.043803	0.052556	0.069794	0.098640
-206.00	0.030843	0.032564	0.034653	0.038342	0.043709	0.051336	0.064607	0.089315	0.149790
-306.00	0.031723	0.033460	0.035491	0.039177	0.044700	0.052372	0.065516	0.088954	0.147885
-406.00	0.031294	0.032951	0.034865	0.038450	0.043603	0.050669	0.062672	0.084877	0.117348
-506.00	0.030817	0.032449	0.034185	0.037419	0.042301	0.048859	0.058690	0.073019	0.085033
-606.00	0.030363	0.031762	0.033440	0.035666	0.039923	0.046050	0.053158	0.060035	0.069589
-706.00	0.029545	0.030869	0.032601	0.034364	0.037649	0.042538	0.046651	0.051067	0.065931
-806.00	0.028944	0.030288	0.031846	0.033676	0.035402	0.038077	0.041637	0.043121	0.061805
-906.00	0.028694	0.029926	0.031322	0.032822	0.034114	0.035088	0.036017	0.041502	0.058141
-1006.00	0.028566	0.029717	0.030961	0.032139	0.033236	0.032939	0.032638	0.041026	0.053716
-1106.00	0.028533	0.029625	0.030722	0.031785	0.031484	0.031128	0.031789	0.041091	0.052682
-1206.00	0.028576	0.029615	0.030653	0.030375	0.030050	0.029700	0.033346	0.041303	0.052453
-1306.00	0.028675	0.029684	0.029449	0.029165	0.028852	0.028580	0.034304	0.041618	0.052510
-1406.00	0.028801	0.028615	0.028380	0.028112	0.027828	0.029421	0.034816	0.042598	0.052538

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	189.00	X-COORD (METERS)		489.00	589.00	689.00	789.00
				289.00	389.00				
794.00	0.044263	0.048033	0.046630	0.039139	0.031935	0.025874	0.022279	0.020145	0.019518
694.00	0.046380	0.050432	0.047830	0.039069	0.030781	0.025412	0.021756	0.020632	0.019968
594.00	0.048558	0.052828	0.048633	0.038314	0.029075	0.024895	0.021938	0.021151	0.020457
494.00	0.053218	0.058201	0.051323	0.038176	0.029058	0.024413	0.022465	0.021680	0.021470
394.00	0.060497	0.066606	0.055819	0.037838	0.030212	0.024827	0.023226	0.022775	0.023453
294.00	0.069449	0.077113	0.059257	0.038403	0.030428	0.026094	0.025264	0.025256	0.025689
194.00	0.082665	0.093447	0.061465	0.040947	0.030269	0.027897	0.028054	0.028203	0.027759
94.00	0.101714	0.116754	0.064058	0.045598	0.033009	0.031183	0.031022	0.030698	0.029913
-6.00	0.130753	0.150838	0.081811	0.049331	0.038666	0.034998	0.032848	0.031971	0.031103
-106.00	0.167196	0.176986	0.112288	0.051571	0.044520	0.037647	0.034622	0.033205	0.032956
-206.00	0.523965	0.637324	0.179374	0.071371	0.051674	0.042038	0.037961	0.035662	0.035120
-306.00	0.280168	0.267326	0.098444	0.070785	0.052214	0.041797	0.037456	0.035126	0.034862
-406.00	0.178277	0.237565	0.162044	0.074161	0.052763	0.040967	0.035641	0.033046	0.032576
-506.00	0.147387	0.164865	0.116508	0.067757	0.053832	0.043225	0.036783	0.033412	0.031704
-606.00	0.118424	0.132650	0.100001	0.060660	0.050675	0.045419	0.039110	0.035223	0.033020
-706.00	0.097982	0.112415	0.091572	0.056266	0.046322	0.043580	0.040840	0.036531	0.034086
-806.00	0.085291	0.098894	0.084510	0.053499	0.042645	0.040800	0.039282	0.037567	0.034772
-906.00	0.078432	0.089300	0.079451	0.055768	0.041930	0.038494	0.037591	0.036715	0.035248
-1006.00	0.072305	0.081467	0.074945	0.056746	0.041410	0.036936	0.035961	0.035280	0.034867
-1106.00	0.067957	0.075785	0.071081	0.056577	0.043118	0.036589	0.035272	0.034762	0.034260
-1206.00	0.065328	0.072333	0.069445	0.057132	0.045795	0.037514	0.035275	0.034594	0.033916
-1306.00	0.064074	0.070805	0.069384	0.058624	0.048535	0.039592	0.035628	0.034536	0.033741
-1406.00	0.062999	0.069423	0.069043	0.059537	0.050494	0.042203	0.036558	0.034543	0.033665

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD | X-COORD (METERS)  
 (METERS) | 889.00 989.00 1089.00 1189.00 1289.00

Y-COORD (METERS)	889.00	989.00	1089.00	1189.00	1289.00
794.00	0.018945	0.018417	0.018248	0.018562	0.018802
694.00	0.019370	0.019189	0.019568	0.019860	0.019693
594.00	0.020260	0.020716	0.021074	0.020894	0.020666
494.00	0.022022	0.022464	0.022283	0.022028	0.021722
394.00	0.024038	0.023882	0.023613	0.023262	0.022860
294.00	0.025656	0.025438	0.025065	0.024599	0.023989
194.00	0.027449	0.027132	0.026350	0.025410	0.024499
94.00	0.029000	0.028017	0.027070	0.026158	0.025437
-6.00	0.030063	0.029174	0.028416	0.027599	0.026757
-106.00	0.031867	0.031025	0.030098	0.029151	0.028155
-206.00	0.034029	0.033070	0.031934	0.030794	0.029615
-306.00	0.034063	0.033243	0.032187	0.031068	0.029891
-406.00	0.032339	0.031674	0.030779	0.029832	0.028818
-506.00	0.031122	0.030317	0.029516	0.028684	0.027803
-606.00	0.031313	0.029620	0.028514	0.027642	0.026871
-706.00	0.031981	0.030192	0.028671	0.027258	0.026142
-806.00	0.032551	0.030826	0.029248	0.027787	0.026473
-906.00	0.033279	0.031524	0.029886	0.028389	0.027042
-1006.00	0.033991	0.032186	0.030519	0.028997	0.027621
-1106.00	0.033728	0.032772	0.031102	0.029569	0.028172
-1206.00	0.033243	0.032573	0.031604	0.030073	0.028668
-1306.00	0.032963	0.032201	0.031456	0.030494	0.029107
-1406.00	0.032808	0.031975	0.031166	0.030395	0.029458

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500GRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)								
	-5311.00	-4811.00	-4311.00	-3811.00	-3311.00	-2811.00	-2311.00	-1811.00	-1311.00
5194.00	0.008655	0.008909	0.009185	0.009481	0.009806	0.010163	0.010550	0.012098	0.014594
4694.00	0.008671	0.009134	0.009429	0.009756	0.010120	0.010523	0.010963	0.011844	0.014670
4194.00	0.008666	0.009152	0.009678	0.010041	0.010449	0.010905	0.011408	0.011952	0.014618
3694.00	0.008637	0.009148	0.009717	0.010339	0.010797	0.011313	0.011887	0.012515	0.014359
3194.00	0.008592	0.009127	0.009731	0.010413	0.011167	0.011751	0.012408	0.013130	0.014013
2694.00	0.008534	0.009088	0.009725	0.010455	0.011294	0.012233	0.012971	0.013790	0.014686
2194.00	0.008464	0.009034	0.009697	0.010470	0.011374	0.012418	0.013602	0.014534	0.015568
1694.00	0.009019	0.009173	0.009650	0.010456	0.011408	0.012526	0.013861	0.015444	0.016600
1194.00	0.010099	0.010384	0.010685	0.010992	0.011398	0.012571	0.013995	0.015757	0.017955
694.00	0.011242	0.011685	0.012179	0.012725	0.013300	0.013874	0.014405	0.015840	0.018296
194.00	0.012412	0.013026	0.013738	0.014563	0.015509	0.016576	0.017756	0.018992	0.020281
-306.00	0.013528	0.014304	0.015222	0.016320	0.017637	0.019220	0.021150	0.023579	0.027002
-806.00	0.013479	0.014226	0.015102	0.016136	0.017366	0.018812	0.020538	0.022659	0.025524
-1306.00	0.013425	0.014142	0.014974	0.015946	0.017093	0.018422	0.019873	0.022016	0.025133
-1806.00	0.013367	0.014052	0.014838	0.015747	0.016733	0.018145	0.019942	0.022283	0.025610
-2306.00	0.013304	0.013933	0.014660	0.015567	0.016685	0.018097	0.019867	0.022345	0.022382
-2806.00	0.013179	0.013800	0.014539	0.015432	0.016524	0.017867	0.019654	0.019877	0.019886
-3306.00	0.013034	0.013643	0.014363	0.015225	0.016264	0.017590	0.017833	0.017952	0.017893
-3806.00	0.012858	0.013447	0.014139	0.014957	0.015976	0.016205	0.016346	0.016383	0.016971
-4306.00	0.012655	0.013220	0.013876	0.014680	0.014884	0.015031	0.015107	0.015107	0.018121
-4806.00	0.012432	0.012969	0.013615	0.013796	0.013938	0.014032	0.014070	0.014176	0.019232
-5306.00	0.012180	0.012722	0.012885	0.013019	0.013118	0.013178	0.013193	0.014325	0.019895
-5806.00	0.011933	0.012095	0.012233	0.012334	0.012404	0.012442	0.012444	0.015316	0.020268



\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)								
	-811.00	-311.00	189.00	689.00	1189.00	1689.00	2189.00	2689.00	3189.00
5194.00	0.017269	0.020041	0.022625	0.019500	0.016396	0.013434	0.010706	0.009171	0.008756
4694.00	0.017754	0.020985	0.023992	0.020310	0.016668	0.013233	0.010165	0.009363	0.008907
4194.00	0.018209	0.022032	0.025584	0.021182	0.016855	0.012837	0.010133	0.009587	0.009081
3694.00	0.018582	0.023180	0.027456	0.022098	0.016884	0.012164	0.010470	0.009850	0.009286
3194.00	0.018756	0.024387	0.029640	0.022991	0.016619	0.011630	0.010869	0.010161	0.009529
2694.00	0.018562	0.025596	0.032207	0.023747	0.015849	0.012234	0.011338	0.010526	0.010085
2194.00	0.017741	0.026686	0.035234	0.024096	0.014534	0.012922	0.011887	0.011354	0.011220
1694.00	0.017851	0.027234	0.038601	0.023431	0.015101	0.013693	0.013131	0.012849	0.012550
1194.00	0.019349	0.026735	0.042545	0.021126	0.016251	0.015667	0.015137	0.014600	0.014055
694.00	0.022180	0.025128	0.047830	0.020632	0.019860	0.018738	0.017612	0.016227	0.015324
194.00	0.023287	0.038547	0.061465	0.028203	0.025410	0.022004	0.019848	0.018140	0.016804
-306.00	0.033460	0.065516	0.098444	0.035126	0.031068	0.025886	0.022467	0.020017	0.018210
-806.00	0.030288	0.041637	0.084510	0.037567	0.027787	0.023154	0.020914	0.018996	0.017448
-1306.00	0.029684	0.034304	0.069384	0.034536	0.030494	0.024531	0.020782	0.018123	0.016685
-1806.00	0.025157	0.038037	0.066290	0.037182	0.029753	0.025790	0.021842	0.019001	0.016792
-2306.00	0.022213	0.040091	0.061244	0.040988	0.029194	0.025418	0.022367	0.019579	0.017367
-2806.00	0.022738	0.039885	0.055982	0.041268	0.028672	0.024994	0.022172	0.019819	0.017742
-3306.00	0.025041	0.038668	0.051252	0.040154	0.029856	0.024364	0.021858	0.019721	0.017957
-3806.00	0.026078	0.037037	0.047092	0.038457	0.030214	0.023650	0.021484	0.019572	0.017952
-4306.00	0.026377	0.035367	0.043596	0.036693	0.029993	0.023910	0.021068	0.019376	0.017901
-4806.00	0.026282	0.033798	0.040682	0.035029	0.029484	0.024340	0.020655	0.019157	0.017821
-5306.00	0.025986	0.032382	0.038251	0.033526	0.028862	0.024469	0.020523	0.018929	0.017719
-5806.00	0.025591	0.031118	0.036205	0.032188	0.028208	0.024416	0.020927	0.018703	0.017604

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 500MGRID ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	3689.00	4189.00	4689.00	5189.00	5689.00
5194.00	0.008373	0.008024	0.007711	0.007416	0.007218
4694.00	0.008489	0.008115	0.007784	0.007580	0.007712
4194.00	0.008625	0.008222	0.007980	0.008114	0.008255
3694.00	0.008786	0.008493	0.008598	0.008716	0.008841
3194.00	0.009169	0.009227	0.009302	0.009389	0.009485
2694.00	0.010067	0.010070	0.010093	0.010132	0.010184
2194.00	0.011109	0.011022	0.010966	0.010937	0.010930
1694.00	0.012287	0.012069	0.011893	0.011656	0.011423
1194.00	0.013466	0.012947	0.012516	0.012155	0.011854
694.00	0.014478	0.013776	0.013198	0.012729	0.012346
194.00	0.015629	0.014694	0.013950	0.013359	0.012886
-306.00	0.016716	0.015567	0.014673	0.013973	0.013416
-806.00	0.016105	0.015042	0.014204	0.013542	0.013016
-1306.00	0.015477	0.014504	0.013729	0.013112	0.012620
-1806.00	0.015061	0.013982	0.013270	0.012701	0.012243
-2306.00	0.015618	0.014232	0.013129	0.012323	0.011896
-2806.00	0.016057	0.014685	0.013570	0.012662	0.011918
-3306.00	0.016380	0.015061	0.013962	0.013049	0.012288
-3806.00	0.016603	0.015361	0.014300	0.013399	0.012635
-4306.00	0.016648	0.015594	0.014584	0.013708	0.012952
-4806.00	0.016658	0.015663	0.014817	0.013977	0.013236
-5306.00	0.016645	0.015707	0.014899	0.014202	0.013445
-5806.00	0.016612	0.015731	0.014957	0.014245	0.013612

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DEFAULT

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE: 1407 \*\*\*

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

RANK	CONC	AT	RECEPTOR (XR, YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR, YR) OF TYPE
1.	0.084611	AT (	189.00, -406.00) GC	6.	0.043671	AT (	189.00, -606.00) GC
2.	0.072898	AT (	189.00, -206.00) GC	7.	0.039899	AT (	189.00, -2306.00) GC
3.	0.058443	AT (	189.00, -506.00) GC	8.	0.039168	AT (	189.00, -2806.00) GC
4.	0.046082	AT (	89.00, -406.00) GC	9.	0.038118	AT (	189.00, -1806.00) GC
5.	0.045245	AT (	189.00, -106.00) GC	10.	0.037554	AT (	189.00, -3306.00) GC

\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR SOURCE: GEN03 \*\*\*

RANK	CONC	AT	RECEPTOR (XR, YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR, YR) OF TYPE
1.	0.622582	AT (	89.00, -206.00) GC	6.	0.158380	AT (	-11.00, -106.00) GC
2.	0.513680	AT (	-11.00, -206.00) GC	7.	0.158300	AT (	89.00, -106.00) GC
3.	0.261277	AT (	-11.00, -306.00) GC	8.	0.158098	AT (	-11.00, -406.00) GC
4.	0.239243	AT (	89.00, -306.00) GC	9.	0.140418	AT (	-111.00, -206.00) GC
5.	0.191482	AT (	89.00, -406.00) GC	10.	0.139202	AT (	89.00, -506.00) GC

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

\*\*\* ISCLT3 - VERSION 96113 \*\*\*

\*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx \*\*\*

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\*\*\* Revised building height = 38' \*\*\*

\*\*\*

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\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

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\*\*\* THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR,YR) OF TYPE
1.	0.637324	AT (	89.00, -206.00) GC	6.	0.179374	AT (	189.00, -206.00) GC
2.	0.523965	AT (	-11.00, -206.00) GC	7.	0.178277	AT (	-11.00, -406.00) GC
3.	0.280168	AT (	-11.00, -306.00) GC	8.	0.176986	AT (	89.00, -106.00) GC
4.	0.267326	AT (	89.00, -306.00) GC	9.	0.167196	AT (	-11.00, -106.00) GC
5.	0.237565	AT (	89.00, -406.00) GC	10.	0.164865	AT (	89.00, -506.00) GC

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

\*\*\* MODELING OPTIONS USED: CONC RURAL FLAT DFAULT

\*\*\* SOURCE 1407 CONTRIBUTIONS TO THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*

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

RANK	CONC	AT	RECEPTOR (XR, YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR, YR) OF TYPE
1.	0.014741	AT (	89.00, -206.00) GC	6.	0.072898	AT (	189.00, -206.00) GC
2.	0.010285	AT (	-11.00, -206.00) GC	7.	0.020179	AT (	-11.00, -406.00) GC
3.	0.018891	AT (	-11.00, -306.00) GC	8.	0.018686	AT (	89.00, -106.00) GC
4.	0.028084	AT (	89.00, -306.00) GC	9.	0.008816	AT (	-11.00, -106.00) GC
5.	0.046082	AT (	89.00, -406.00) GC	10.	0.025663	AT (	89.00, -506.00) GC

\*\*\* SOURCE GEN03 CONTRIBUTIONS TO THE MAXIMUM 10 ANNUAL AVERAGE CONCENTRATION VALUES FOR GROUP: ALL \*\*\*

RANK	CONC	AT	RECEPTOR (XR, YR) OF TYPE	RANK	CONC	AT	RECEPTOR (XR, YR) OF TYPE
1.	0.622582	AT (	89.00, -206.00) GC	6.	0.106476	AT (	189.00, -206.00) GC
2.	0.513680	AT (	-11.00, -206.00) GC	7.	0.158098	AT (	-11.00, -406.00) GC
3.	0.261277	AT (	-11.00, -306.00) GC	8.	0.158300	AT (	89.00, -106.00) GC
4.	0.239243	AT (	89.00, -306.00) GC	9.	0.158380	AT (	-11.00, -106.00) GC
5.	0.191482	AT (	89.00, -406.00) GC	10.	0.139202	AT (	89.00, -506.00) GC

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

\*\*\* ISCLT3 - VERSION 96113 \*\*\*      \*\*\* FGT CS 14A Turbine 1407 & Emergency Generator 3 1992 Met ISCLT NOx \*\*\*  
\*\*\* Revised building height = 38'      \*\*\*

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\*\*\* MODELING OPTIONS USED:    CONC    RURAL    FLAT                    DFAULT

\*\*\* Message Summary : ISCLT3 Model Execution \*\*\*

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

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

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

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

\*\*\*\*\*  
\*\*\* ISCLT3 Finishes Successfully \*\*\*  
\*\*\*\*\*

ISCST3 CO 1986

\*\* The results for this run are in file 14ST86c.OUT.

\*\*  
CO STARTING  
TITLEONE FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1986 Met CO  
TITLETWO Revised building height = 38'  
MODELOPT DEFAULT RURAL CONC  
AVERTIME 1 8  
POLLUTID CO  
RUNORNOT RUN  
ERRORFIL 14ERR86.OUT  
CO FINISHED

SO STARTING  
LOCATION 1407 POINT 189.36 -305.90

** Point Source	QS	HS	TS	VS	DS
** Parameters:	----	----	----	----	----
SRCPARAM 1407	1.351	17.68	718.1	13.85	2.66

SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDWID 1407	27.22	26.56	25.08	25.61	26.84	27.26
SO BUILDWID 1407	26.85	25.63	23.63	20.90	17.55	13.66
SO BUILDWID 1407	14.87	18.62	21.79	24.30	26.08	27.06
SO BUILDWID 1407	27.22	26.56	25.08	25.61	26.84	27.26
SO BUILDWID 1407	26.85	25.63	23.63	20.90	17.55	13.66
SO BUILDWID 1407	14.87	18.62	21.79	24.30	26.08	27.06

SO LOCATION GEN03 POINT 50.98 -206.27

** Parameters	QS	HS	TS	VS	DS
**	----	----	----	----	----
SO SRCPARAM GEN03	0.283	6.10	644.26	45.49	0.2

SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDWID GEN03	82.08	100.88	116.62	128.81	137.09	141.21
SO BUILDWID GEN03	141.03	136.57	127.96	115.46	99.45	80.42
SO BUILDWID GEN03	58.95	35.69	11.34	13.35	37.64	60.78
SO BUILDWID GEN03	82.08	100.88	116.62	128.81	137.09	141.21
SO BUILDWID GEN03	141.03	136.57	127.96	115.46	99.45	80.42
SO BUILDWID GEN03	58.95	35.69	11.34	13.35	37.64	60.78



SO SRCGROUP ALL  
SO FINISHED

RE STARTING  
GRIDCART 100METER STA  
GRIDCART 100METER XYINC -1011 25 100 -1506 25 100  
GRIDCART 100METER END  
RE FINISHED

ME STARTING  
INPUTFIL 14RAM86.ASC  
ANEMHGHT 10  
SURFDATA 93805 1986 TALLAHASSE  
UAIRDATA 12832 1986 APALACHICOLA  
ME FINISHED

OU STARTING  
RECTABLE ALLAVE FIRST SECOND  
MAXTABLE ALLAVE 50  
OU FINISHED

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1986 Met CO \*\*\*

\*\*\*

11/24/99

\*\*\* Revised building height = 38'

\*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT

DEFAULT

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

-----  
\*\*Intermediate Terrain Processing is Selected

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

-- SCAVENGING/DEPOSITION LOGIC --

\*\*Model Uses NO DRY DEPLETION. DDPLETE = F

\*\*Model Uses NO WET DEPLETION. WDPLETE = F

\*\*NO WET SCAVENGING Data Provided.

\*\*Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

\*\*Model Uses RURAL Dispersion.

\*\*Model Uses 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 2 Short Term Average(s) of: 1-HR 8-HR

\*\*This Run Includes: 2 Source(s); 1 Source Group(s); and 625 Receptor(s)

\*\*The Model Assumes A Pollutant Type of: CO

\*\*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

\*\*Approximate Storage Requirements of Model = 1.3 MB of RAM.

\*\*Input Runstream File: 14st86c.IN  
 \*\*Output Print File: 14st86c.OUT  
 \*\*Detailed Error/Message File: 14ERR86.OUT

\*\*\* ISCST3 - VERSION 98356 \*\*\*      \*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1986 Met CO \*\*\*      11/24/99  
 \*\*\* Revised building height = 38' \*\*\*      \*\*\*      11:04:09  
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\*\*MODELOPTs: CONC                      RURAL FLAT                      DFAULT

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
1407	0	0.13510E+01	189.4	-305.9	0.0	17.68	718.10	13.85	2.66	YES	
GEN03	0	0.28300E+00	51.0	-206.3	0.0	6.10	644.26	45.49	0.20	YES	

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1986 Met CO  
\*\*\* Revised building height = 38'

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\*\*MODELOPTs: CONC

RURAL FLAT                      DFAULT

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

GROUP ID

SOURCE IDs

ALL            1407            , GEN03            ,

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1986 Met CO  
\*\*\* Revised building height = 38'

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\*\*MODELOPTs: CONC

RURAL FLAT                      DFAULT

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: 1407

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	11.6,	27.2,	0	2	11.6,	26.6,	0	3	11.6,	25.1,	0	4	11.6,	25.6,	0	5	11.6,	26.8,	0	6	11.6,	27.3,	0
7	11.6,	26.9,	0	8	11.6,	25.6,	0	9	11.6,	23.6,	0	10	11.6,	20.9,	0	11	11.6,	17.5,	0	12	11.6,	13.7,	0
13	11.6,	14.9,	0	14	11.6,	18.6,	0	15	11.6,	21.8,	0	16	11.6,	24.3,	0	17	11.6,	26.1,	0	18	11.6,	27.1,	0
19	11.6,	27.2,	0	20	11.6,	26.6,	0	21	11.6,	25.1,	0	22	11.6,	25.6,	0	23	11.6,	26.8,	0	24	11.6,	27.3,	0
25	11.6,	26.9,	0	26	11.6,	25.6,	0	27	11.6,	23.6,	0	28	11.6,	20.9,	0	29	11.6,	17.5,	0	30	11.6,	13.7,	0
31	11.6,	14.9,	0	32	11.6,	18.6,	0	33	11.6,	21.8,	0	34	11.6,	24.3,	0	35	11.6,	26.1,	0	36	11.6,	27.1,	0

SOURCE ID: GEN03

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	9.9,	82.1,	0	2	9.9,	100.9,	0	3	9.9,	116.6,	0	4	9.9,	128.8,	0	5	9.9,	137.1,	0	6	9.9,	141.2,	0
7	9.9,	141.0,	0	8	9.9,	136.6,	0	9	9.9,	128.0,	0	10	9.9,	115.5,	0	11	9.9,	99.4,	0	12	9.9,	80.4,	0
13	9.9,	59.0,	0	14	9.9,	35.7,	0	15	9.9,	11.3,	0	16	9.9,	13.4,	0	17	9.9,	37.6,	0	18	9.9,	60.8,	0
19	9.9,	82.1,	0	20	9.9,	100.9,	0	21	9.9,	116.6,	0	22	9.9,	128.8,	0	23	9.9,	137.1,	0	24	9.9,	141.2,	0
25	9.9,	141.0,	0	26	9.9,	136.6,	0	27	9.9,	128.0,	0	28	9.9,	115.5,	0	29	9.9,	99.4,	0	30	9.9,	80.4,	0
31	9.9,	59.0,	0	32	9.9,	35.7,	0	33	9.9,	11.3,	0	34	9.9,	13.4,	0	35	9.9,	37.6,	0	36	9.9,	60.8,	0

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1986 Met CO  
\*\*\* Revised building height = 38'

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-1011.0,	-911.0,	-811.0,	-711.0,	-611.0,	-511.0,	-411.0,	-311.0,	-211.0,	-111.0,
-11.0,	89.0,	189.0,	289.0,	389.0,	489.0,	589.0,	689.0,	789.0,	889.0,
989.0,	1089.0,	1189.0,	1289.0,	1389.0,					

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-1506.0,	-1406.0,	-1306.0,	-1206.0,	-1106.0,	-1006.0,	-906.0,	-806.0,	-706.0,	-606.0,
-506.0,	-406.0,	-306.0,	-206.0,	-106.0,	-6.0,	94.0,	194.0,	294.0,	394.0,
494.0,	594.0,	694.0,	794.0,	894.0,					

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1986 Met CO  
\*\*\* Revised building height = 38'

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
LESS THAN 1.0 METER OR 3\*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	-- RECEPTOR LOCATION -- XR (METERS) YR (METERS)		DISTANCE (METERS)
1407	189.0	-306.0	0.37



\*\*MODELOPTs: CONC

RURAL FLAT

DFAULT

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

FILE: 14RAM86.ASC

FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1986

YEAR: 1986

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M)		USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
								RURAL	URBAN					
86	1	1	1	11.0	1.54	287.0	4	560.6	560.6	0.0000	0.0	0.0000	0	0.00
86	1	1	2	298.0	2.06	287.0	4	523.5	523.5	0.0000	0.0	0.0000	0	0.00
86	1	1	3	344.0	3.09	287.0	5	486.4	284.0	0.0000	0.0	0.0000	0	0.00
86	1	1	4	343.0	0.00	287.0	4	449.2	449.2	0.0000	0.0	0.0000	0	0.00
86	1	1	5	343.0	0.00	286.5	4	412.1	412.1	0.0000	0.0	0.0000	0	0.00
86	1	1	6	342.0	0.00	286.5	4	375.0	375.0	0.0000	0.0	0.0000	0	0.00
86	1	1	7	145.0	1.54	287.0	4	337.9	337.9	0.0000	0.0	0.0000	0	0.00
86	1	1	8	143.0	1.54	287.0	4	300.7	300.7	0.0000	0.0	0.0000	0	0.00
86	1	1	9	177.0	3.60	287.0	4	263.6	263.6	0.0000	0.0	0.0000	0	0.00
86	1	1	10	191.0	4.63	287.0	4	226.5	226.5	0.0000	0.0	0.0000	0	0.00
86	1	1	11	204.0	4.12	287.0	4	189.4	189.4	0.0000	0.0	0.0000	0	0.00
86	1	1	12	196.0	4.63	287.6	4	152.2	152.2	0.0000	0.0	0.0000	0	0.00
86	1	1	13	203.0	3.60	288.7	4	115.1	115.1	0.0000	0.0	0.0000	0	0.00
86	1	1	14	189.0	2.06	289.3	4	78.0	78.0	0.0000	0.0	0.0000	0	0.00
86	1	1	15	192.0	1.54	289.8	4	78.0	78.0	0.0000	0.0	0.0000	0	0.00
86	1	1	16	224.0	1.54	290.9	3	78.0	78.0	0.0000	0.0	0.0000	0	0.00
86	1	1	17	201.0	2.06	290.9	4	78.0	78.0	0.0000	0.0	0.0000	0	0.00
86	1	1	18	197.0	0.00	289.3	5	83.0	90.8	0.0000	0.0	0.0000	0	0.00
86	1	1	19	204.0	0.00	288.7	6	100.7	136.0	0.0000	0.0	0.0000	0	0.00
86	1	1	20	177.0	3.09	288.2	5	118.4	181.2	0.0000	0.0	0.0000	0	0.00
86	1	1	21	180.0	2.06	287.0	5	136.1	226.4	0.0000	0.0	0.0000	0	0.00
86	1	1	22	182.0	2.06	285.9	5	153.8	271.6	0.0000	0.0	0.0000	0	0.00
86	1	1	23	180.0	0.00	285.9	6	171.5	316.8	0.0000	0.0	0.0000	0	0.00
86	1	1	24	180.0	2.57	285.9	5	189.2	362.0	0.0000	0.0	0.0000	0	0.00

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

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	25.51850 (86061421)	25.48978 (86050505)	27.64404 (86040503)	27.21527 (86082222)	26.29946 (86071324)
794.0	26.30605 (86070502)	27.70534 (86061421)	24.41164 (86051501)	29.69826 (86071202)	29.71953 (86082222)
694.0	26.76068 (86080701)	28.94468 (86070502)	30.06599 (86061421)	29.20109 (86051501)	32.49405 (86071403)
594.0	26.31376 (86062303)	24.53798 (86040502)	31.63029 (86070502)	32.50939 (86061421)	33.14023 (86071404)
494.0	28.39936 (86070503)	31.54878 (86051603)	27.05552 (86080603)	34.00087 (86070502)	34.81134 (86061421)
394.0	30.01703 (86032901)	31.84619 (86040402)	31.26930 (86070503)	34.98592 (86031520)	35.27175 (86070502)
294.0	35.42868 (86051907)	32.61095 (86050424)	30.34433 (86032901)	36.84784 (86031807)	39.96791 (86062303)
194.0	35.88501 (86051907)	46.33651 (86051907)	45.04817 (86051907)	39.03082 (86050424)	40.40869 (86051502)
94.0	33.19817 (86031521)	33.40193 (86062224)	35.03590 (86051703)	54.08025 (86051907)	60.87277 (86051907)
-6.0	33.29528 (86101004)	35.75975 (86081007)	33.98687 (86052805)	38.93701 (86052805)	40.91588 (86031521)
-106.0	33.33157 (86091105)	32.90366 (86093007)	38.33847 (86081205)	41.29984 (86040405)	45.22223 (86040405)
-206.0	34.06812 (86091705)	36.48000 (86091705)	39.11616 (86091705)	41.98233 (86091705)	45.92687 (86091023)
-306.0	32.67116 (86012503)	36.96061 (86012503)	37.94155 (86012503)	40.69700 (86050405)	43.63871 (86050405)
-406.0	33.08261 (86091824)	35.92733 (86032906)	34.23706 (86081206)	39.14103 (86082206)	40.93880 (86060505)
-506.0	28.23875 (86060505)	33.13348 (86091704)	36.88000 (86032905)	39.26279 (86091107)	42.53226 (86012422)
-606.0	31.86112 (86091107)	33.83097 (86051805)	35.84453 (86012422)	36.82841 (86091924)	41.61757 (86080305)
-706.0	30.76439 (86070323)	32.61193 (86091924)	35.56229 (86090203)	37.45299 (86090804)	29.37123 (86091106)
-806.0	29.80507 (86112405)	31.36698 (86100104)	34.29237 (86112501)	33.40987 (86091902)	32.02610 (86091103)
-906.0	29.05593 (86090804)	30.82316 (86091106)	32.96811 (86091902)	25.10010 (86091103)	28.03549 (86081002)
-1006.0	25.56857 (86091106)	29.76712 (86090202)	25.84053 (86090807)	24.45984 (86082106)	31.98042 (86110504)
-1106.0	28.15502 (86090202)	26.09524 (86090807)	24.49805 (86082106)	30.83215 (86110504)	26.49810 (86091822)
-1206.0	25.69141 (86090807)	24.06124 (86082106)	27.16451 (86110504)	24.51441 (86091822)	22.52799 (86102404)
-1306.0	23.34545 (86082106)	23.93768 (86081002)	18.77686 (86091822)	25.63549 (86060601)	26.29725 (86102404)
-1406.0	23.41462 (86081002)	21.36852 (86110504)	21.89008 (86060601)	27.53752 (86102404)	25.25858 (86090922)
-1506.0	23.42278 (86110504)	18.28344 (86091822)	18.85929 (86102404)	18.77319 (86102404)	24.85784 (86072318)



\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	-511.00	-411.00	-311.00	-211.00	-111.00
894.0	35.46831 (86031507)	30.96781 (86072102)	31.72225 (86080206)	28.89831 (86080121)	31.35028 (86020504)
794.0	31.63986 (86031507)	33.46638 (86031507)	32.75702 (86012520)	34.27307 (86080421)	33.41366 (86100420)
694.0	32.22498 (86071324)	42.51029 (86031507)	36.65115 (86102019)	36.91578 (86110719)	34.94307 (86020502)
594.0	32.44157 (86071403)	37.55269 (86052903)	38.59842 (86031507)	39.53824 (86080206)	39.73763 (86020502)
494.0	38.00505 (86071404)	38.79910 (86031120)	53.25145 (86031507)	40.20188 (86020505)	40.21528 (86072314)
394.0	36.46555 (86061421)	41.63900 (86040503)	39.03675 (86071121)	44.33525 (86031507)	51.78536 (86072314)
294.0	40.35139 (86040502)	43.59506 (86061423)	46.69594 (86071403)	71.63248 (86031507)	49.13995 (86080206)
194.0	43.83794 (86051104)	47.24337 (86040502)	54.63934 (86061423)	59.05771 (86031120)	57.80968 (86020505)
94.0	48.62746 (86091020)	54.59243 (86031807)	45.23010 (86011817)	59.95620 (86061423)	109.59965 (86031507)
-6.0	55.08936 (86051907)	89.78788 (86051907)	67.16766 (86062221)	71.60219 (86062303)	87.59798 (86071618)
-106.0	48.57666 (86050402)	60.89741 (86030904)	57.66758 (86020921)	137.84549 (86051907)	115.94767 (86110612)
-206.0	52.73228 (86091023)	61.68655 (86091023)	74.02619 (86091023)	93.03822 (86091023)	157.24564 (86091023)
-306.0	48.14819 (86012424)	59.25082 (86062205)	69.33650 (86060505)	88.48727 (86060501)	120.91676 (86092818)
-406.0	50.01535 (86091005)	49.65421 (86051805)	64.25239 (86062204)	67.55228 (86090818)	87.69363 (86041819)
-506.0	43.91275 (86062204)	54.34113 (86012407)	60.30774 (86101824)	59.39735 (86091804)	78.53391 (86072318)
-606.0	43.42694 (86112501)	46.76355 (86091103)	48.77546 (86081002)	45.44873 (86060308)	67.96738 (86072318)
-706.0	40.20683 (86091103)	41.50173 (86081002)	45.03456 (86060601)	55.03647 (86072318)	45.42007 (86040204)
-806.0	34.09454 (86081002)	38.91966 (86091822)	30.82103 (86102404)	55.87074 (86072318)	48.91856 (86120519)
-906.0	28.62444 (86091804)	28.83931 (86060601)	42.07801 (86072318)	42.42360 (86120703)	45.14926 (86120622)
-1006.0	34.69717 (86060601)	31.87096 (86090922)	44.74790 (86072318)	34.13673 (86040204)	40.06263 (86010521)
-1106.0	32.26830 (86102404)	34.11097 (86072318)	36.78962 (86120623)	36.08743 (86102001)	38.36737 (86112206)
-1206.0	29.58175 (86090922)	36.82856 (86072318)	32.50210 (86120703)	34.32649 (86100502)	35.01984 (86092904)
-1306.0	28.73284 (86072318)	29.06438 (86072318)	28.46698 (86071521)	32.15493 (86101603)	32.37202 (86111020)
-1406.0	31.15578 (86072318)	30.47813 (86012505)	30.11957 (86040204)	30.63959 (86010521)	30.49854 (86111020)
-1506.0	26.78336 (86072318)	27.22479 (86071521)	28.36717 (86120707)	28.70735 (86092006)	29.83695 (86102223)

\*\*MODELOPTs: CONC

RURAL FLAT

DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	31.44471 (86100424)	29.16617 (86081401)	32.70090 (86012821)	32.43227 (86062524)	31.07142 (86063024)
794.0	34.48077 (86061222)	29.56466 (86081401)	35.08516 (86060722)	32.33720 (86020723)	31.82234 (86050521)
694.0	37.95293 (86061222)	29.30224 (86081401)	36.70009 (86020621)	33.23421 (86040720)	35.56165 (86060723)
594.0	40.23812 (86012119)	33.64448 (86030520)	40.43551 (86031224)	32.75329 (86063024)	39.32513 (86021501)
494.0	39.73282 (86012119)	41.69082 (86030520)	42.92222 (86031923)	41.32446 (86063021)	34.62495 (86012920)
394.0	34.14177 (86121118)	50.69565 (86030520)	43.64753 (86040720)	45.56121 (86012922)	43.99644 (86012921)
294.0	52.03395 (86031822)	57.54737 (86030520)	44.10046 (86040720)	41.82931 (86032420)	47.77795 (86012923)
194.0	64.44571 (86100420)	53.01292 (86030520)	65.77444 (86063021)	45.66444 (86022206)	51.79361 (86041522)
94.0	73.32427 (86072314)	71.08701 (86021908)	75.86425 (86032420)	70.03156 (86021921)	52.36517 (86011923)
-6.0	122.66544 (86072314)	112.07121 (86061818)	91.13399 (86010303)	75.30101 (86021920)	54.01077 (86040901)
-106.0	192.92244 (86102317)	357.29486 (86020620)	134.58365 (86070719)	88.30104 (86100116)	59.34671 (86081519)
-206.0	821.42792 (86091023)	998.22900 (86071622)	156.94431 (86031608)	94.51229 (86031608)	63.91099 (86052918)
-306.0	212.92014 (86020806)	343.37927 (86030501)	133.87503 (86052219)	83.52991 (86121814)	75.08920 (86040923)
-406.0	108.05073 (86113006)	114.42232 (86021303)	93.90141 (86050221)	74.62927 (86072003)	69.91812 (86032123)
-506.0	79.96399 (86101503)	86.13506 (86032203)	73.26347 (86032803)	66.08230 (86012320)	62.59698 (86011107)
-606.0	66.13210 (86101921)	64.40501 (86112107)	66.40149 (86012722)	60.98739 (86032120)	47.40856 (86012320)
-706.0	57.47667 (86103024)	58.06381 (86121307)	44.44298 (86120224)	52.89880 (86032803)	49.70832 (86050221)
-806.0	48.46842 (86120704)	51.10942 (86121307)	49.46589 (86032105)	44.37344 (86011119)	45.10112 (86090601)
-906.0	46.11411 (86120521)	45.59394 (86111907)	45.33244 (86041801)	44.57570 (86012722)	40.09331 (86030105)
-1006.0	40.78976 (86120308)	42.46601 (86122108)	41.18729 (86101607)	32.83819 (86112624)	38.75487 (86012322)
-1106.0	38.80182 (86120308)	39.90339 (86122108)	37.93586 (86032807)	34.76162 (86122920)	36.24744 (86011119)
-1206.0	35.16754 (86120308)	37.46280 (86122108)	35.41304 (86050302)	34.65734 (86012323)	32.58884 (86012722)
-1306.0	33.44614 (86120506)	35.20904 (86122108)	32.54177 (86032221)	32.93510 (86122921)	28.88144 (86120222)
-1406.0	31.51133 (86122807)	33.15615 (86122108)	30.62841 (86032221)	28.53821 (86122921)	30.13986 (86112624)
-1506.0	29.97407 (86122807)	31.29667 (86122108)	29.74521 (86111005)	29.46931 (86042305)	28.24710 (86041703)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	689.00	789.00	889.00
894.0	31.26231 (86012922)	30.53883 (86022124)	29.89451 (86040120)	29.49644 (86021804)	28.75012 (86030424)
794.0	32.12747 (86030222)	30.91084 (86071903)	30.51442 (86011420)	29.45634 (86040220)	29.53539 (86050122)
694.0	32.88313 (86022124)	33.34859 (86012701)	29.80561 (86040220)	30.78763 (86021922)	30.41056 (86071706)
594.0	37.65533 (86012921)	36.74776 (86012923)	34.25522 (86012705)	31.52703 (86071706)	31.59473 (86041121)
494.0	39.91221 (86060721)	38.46321 (86012705)	35.28696 (86030321)	34.09751 (86041121)	33.33300 (86042821)
394.0	33.78823 (86040220)	40.89174 (86030321)	36.23163 (86041121)	33.24489 (86042821)	32.96405 (86071822)
294.0	45.67207 (86041522)	39.34121 (86011923)	40.61930 (86040121)	38.91432 (86011924)	30.52549 (86012924)
194.0	47.56221 (86011923)	44.49160 (86060622)	43.08908 (86040901)	38.25601 (86071122)	32.47831 (86050821)
94.0	49.62988 (86011924)	42.14823 (86071122)	43.19399 (86050821)	41.31936 (86041601)	28.46551 (86030122)
-6.0	58.37645 (86050821)	36.13943 (86071008)	42.96230 (86081622)	33.53510 (86060724)	32.70994 (86061622)
-106.0	47.42011 (86082518)	35.73389 (86072118)	41.04477 (86050824)	42.18768 (86050824)	36.32497 (86061101)
-206.0	48.83102 (86052918)	45.01594 (86012704)	41.75710 (86012704)	38.60356 (86012704)	35.73684 (86012704)
-306.0	51.63931 (86050903)	53.09532 (86022421)	46.71522 (86012001)	40.16491 (86062101)	39.53431 (86062101)
-406.0	59.42995 (86030107)	51.90979 (86052101)	36.57485 (86012803)	41.98947 (86050904)	38.46552 (86050903)
-506.0	49.92430 (86041606)	44.15302 (86011323)	45.24403 (86021222)	41.14695 (86050822)	37.27639 (86052101)
-606.0	50.38414 (86011107)	47.03319 (86010519)	42.51565 (86060204)	39.17943 (86011321)	37.18869 (86021222)
-706.0	43.35793 (86021223)	38.88683 (86061102)	41.24789 (86042222)	39.05003 (86041606)	36.36655 (86040920)
-806.0	41.77778 (86022501)	41.84743 (86021223)	37.01671 (86021301)	33.61547 (86011319)	34.26711 (86031620)
-906.0	40.26760 (86120220)	32.44437 (86112620)	37.16626 (86021223)	34.79820 (86021301)	33.82568 (86011319)
-1006.0	36.44415 (86090601)	37.17540 (86032106)	34.97402 (86042306)	33.83505 (86010520)	32.22112 (86021301)
-1106.0	33.77367 (86011120)	32.90880 (86032120)	31.38635 (86102522)	31.93773 (86042306)	31.12537 (86010520)
-1206.0	32.82674 (86090522)	29.47396 (86112621)	31.10906 (86030506)	29.53747 (86101420)	30.44820 (86021523)
-1306.0	29.63730 (86011119)	31.19106 (86011120)	30.99612 (86021401)	29.05762 (86032106)	28.43070 (86112620)
-1406.0	30.55750 (86120307)	29.49739 (86112622)	25.26620 (86112621)	28.22638 (86010701)	27.82005 (86102522)
-1506.0	28.19067 (86070305)	27.95355 (86030524)	28.39267 (86011120)	27.54021 (86021401)	26.81348 (86102524)

\*\*MODELOPTs: CONC

RURAL FLAT                      DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S):            1407        , GEN03        ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	989.00	1089.00	1189.00	1289.00	1389.00
894.0	27.20124 (86011922)	26.74454 (86071706)	26.57061 (86032421)	25.04446 (86042621)	21.47132 (86042821)
794.0	28.69014 (86071706)	28.20414 (86032421)	26.93869 (86041822)	20.72585 (86042821)	23.16952 (86072106)
694.0	29.77721 (86032421)	28.96450 (86041822)	23.49633 (86040121)	26.84256 (86072106)	26.36280 (86041101)
594.0	29.51032 (86042821)	27.41864 (86052423)	27.37241 (86071822)	24.57842 (86091220)	22.16632 (86091220)
494.0	31.45848 (86052423)	30.70384 (86041101)	28.36713 (86091220)	27.28485 (86042823)	22.44214 (86071122)
394.0	31.52602 (86012924)	26.57864 (86042823)	26.75850 (86071122)	20.30231 (86050821)	27.61138 (86041120)
294.0	32.14566 (86071122)	25.28925 (86050821)	29.99586 (86041120)	28.64206 (86041601)	27.89423 (86030122)
194.0	35.63565 (86022520)	32.86270 (86030122)	23.81058 (86081622)	29.03211 (86081622)	26.90751 (86033022)
94.0	35.54356 (86081622)	32.08517 (86033022)	30.62168 (86060724)	29.33224 (86053001)	28.20012 (86061622)
-6.0	33.24434 (86040123)	32.01329 (86073101)	26.96869 (86073101)	24.68867 (86050824)	27.16019 (86050824)
-106.0	36.91568 (86061101)	33.46196 (86061101)	31.36908 (86050902)	29.71376 (86050902)	28.99860 (86052103)
-206.0	33.16898 (86072205)	32.34179 (86072205)	31.34567 (86072205)	30.25552 (86072205)	29.12297 (86072205)
-306.0	36.82878 (86082424)	33.84345 (86040921)	32.62801 (86040921)	30.01727 (86041622)	28.08538 (86081623)
-406.0	36.87251 (86021502)	34.00638 (86073021)	31.86296 (86030422)	31.18103 (86030203)	28.93034 (86030203)
-506.0	32.77831 (86012803)	34.09151 (86040922)	31.49216 (86021520)	29.95535 (86011305)	27.40213 (86050903)
-606.0	35.67722 (86012002)	31.46623 (86092722)	30.29705 (86050905)	27.80300 (86012803)	29.17783 (86012803)
-706.0	34.02704 (86072002)	32.02662 (86041621)	30.96743 (86011401)	29.50393 (86052102)	27.64041 (86013005)
-806.0	32.32323 (86030123)	31.79785 (86011323)	30.00423 (86031503)	28.70687 (86081503)	28.48153 (86011401)
-906.0	32.47078 (86012806)	30.53720 (86041606)	28.64718 (86012703)	28.02003 (86041706)	26.97373 (86031503)
-1006.0	30.01707 (86011319)	29.23170 (86052122)	27.93471 (86041724)	28.46383 (86030123)	27.27710 (86012703)
-1106.0	29.64948 (86021301)	29.13691 (86041304)	27.77882 (86052122)	28.02172 (86012723)	24.47759 (86041606)
-1206.0	28.30567 (86010520)	27.23770 (86021301)	27.17038 (86041304)	23.55182 (86052122)	25.73567 (86030621)
-1306.0	27.88444 (86021523)	25.95619 (86042221)	25.03987 (86021301)	24.55501 (86041304)	23.88717 (86110320)
-1406.0	23.51991 (86112620)	27.08725 (86021606)	25.03116 (86042221)	23.08337 (86021301)	21.92770 (86061102)
-1506.0	26.12073 (86101420)	23.29381 (86042306)	25.40903 (86021606)	23.93273 (86042221)	21.72930 (86021224)

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1986 Met CO  
\*\*\* Revised building height = 38'

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11/24/99  
11:04:09  
PAGE 14

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	-1011.00	-911.00	-811.00	-711.00	-611.00
894.0	15.89653 (86031407)	25.33319 (86080924)	24.54538 (86071404)	23.55337 (86031806)	25.44436 (86052903)
794.0	26.16890 (86040504)	17.54900 (86050505)	24.00342 (86050505)	28.27493 (86040503)	27.99271 (86031120)
694.0	25.89874 (86040502)	26.60017 (86040504)	19.95053 (86050505)	25.60351 (86071404)	32.37522 (86062223)
594.0	25.56017 (86080603)	24.49982 (86080701)	26.38802 (86040504)	22.74641 (86050505)	33.06030 (86062701)
494.0	26.95954 (86031807)	25.87398 (86062303)	26.63017 (86031520)	25.13717 (86040504)	27.32256 (86061423)
394.0	29.92830 (86070703)	30.51855 (86060423)	30.52879 (86051104)	32.77254 (86080603)	32.06737 (86040502)
294.0	31.68519 (86050503)	31.27987 (86050603)	30.22961 (86070703)	35.45350 (86070503)	36.00261 (86031520)
194.0	30.81422 (86051703)	33.48035 (86030906)	37.07792 (86050503)	38.32215 (86091020)	38.57294 (86060423)
94.0	33.14852 (86051005)	31.99068 (86071306)	34.13443 (86051505)	39.87505 (86030906)	43.74096 (86021408)
-6.0	31.85974 (86051704)	33.40854 (86101004)	33.11945 (86081007)	33.89009 (86031521)	40.81079 (86051005)
-106.0	30.52770 (86093007)	32.87353 (86090803)	34.23803 (86050323)	40.57613 (86062306)	44.02681 (86093005)
-206.0	32.52495 (86040404)	33.46441 (86040404)	36.22238 (86091023)	40.56514 (86091023)	45.07267 (86091705)
-306.0	32.13052 (86091022)	36.27385 (86091022)	37.14237 (86091022)	32.68586 (86012503)	34.80487 (86052724)
-406.0	31.78829 (86052724)	34.25202 (86062205)	34.09525 (86070501)	38.86411 (86081206)	36.75197 (86091704)
-506.0	21.83202 (86081206)	33.11539 (86092924)	33.73335 (86091005)	39.15076 (86090901)	42.32369 (86090201)
-606.0	29.79315 (86090901)	31.46572 (86082205)	35.55796 (86091006)	31.74363 (86091104)	41.50261 (86091820)
-706.0	29.46637 (86012422)	31.08679 (86091104)	32.04308 (86080305)	35.20251 (86082105)	24.57825 (86091902)
-806.0	29.43302 (86090203)	28.80840 (86080305)	31.34664 (86082105)	30.38926 (86100807)	28.28317 (86110507)
-906.0	28.13120 (86082105)	27.10704 (86112501)	31.68893 (86100807)	24.53535 (86090807)	25.23180 (86091001)
-1006.0	17.18676 (86082207)	27.98145 (86100807)	22.40120 (86012401)	24.03238 (86091001)	29.66166 (86091804)
-1106.0	26.61153 (86110507)	21.14714 (86012401)	22.57892 (86091001)	26.33645 (86091804)	24.14079 (86060601)
-1206.0	19.71919 (86012401)	21.07622 (86091001)	23.28357 (86081002)	14.86987 (86110702)	21.28918 (86060601)
-1306.0	19.62238 (86091001)	22.87101 (86110504)	17.12073 (86110504)	23.01570 (86101102)	15.87141 (86100724)
-1406.0	18.84240 (86110504)	15.87305 (86091804)	19.50047 (86101102)	14.27422 (86122618)	22.81178 (86121403)
-1506.0	16.77730 (86091804)	15.38904 (86060601)	16.43048 (86060601)	17.49954 (86090922)	20.79240 (86120701)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	30.39885 (86071402)	30.90908 (86032623)	30.98336 (86062302)	27.51460 (86072314)	29.30730 (86100420)
794.0	30.74470 (86092923)	29.25893 (86072315)	28.87575 (86080202)	32.43715 (86072314)	29.76516 (86072601)
694.0	28.21535 (86031120)	35.02172 (86071222)	30.91256 (86072102)	33.90264 (86072314)	34.67348 (86072424)
594.0	32.30192 (86062223)	36.38058 (86071121)	34.58307 (86072315)	35.59769 (86080202)	39.38780 (86072424)
494.0	37.89588 (86062701)	32.25553 (86082222)	40.44381 (86071222)	33.85931 (86012520)	39.37495 (86080121)
394.0	34.31078 (86061423)	32.86226 (86071404)	37.89212 (86052903)	43.29128 (86072102)	46.40097 (86080421)
294.0	33.89465 (86070502)	36.37515 (86061421)	46.35645 (86062223)	52.23917 (86072315)	48.41788 (86080202)
194.0	42.96790 (86051603)	33.08574 (86020924)	39.21120 (86101409)	45.62367 (86092618)	53.35673 (86102019)
94.0	46.16737 (86050424)	48.34575 (86051602)	43.38330 (86020924)	57.35332 (86051501)	77.22963 (86072315)
-6.0	50.46142 (86051505)	56.62737 (86050924)	65.86346 (86080124)	70.60641 (86031520)	85.23856 (86111622)
-106.0	47.49617 (86050422)	50.61377 (86050422)	55.86570 (86091610)	82.18093 (86030905)	112.69350 (86121110)
-206.0	48.20266 (86091705)	55.68092 (86030821)	67.33194 (86030821)	85.52389 (86030821)	143.94566 (86030821)
-306.0	47.97427 (86052724)	51.62641 (86032906)	59.06256 (86092009)	82.41226 (86091004)	119.84682 (86091409)
-406.0	49.93127 (86090924)	47.65322 (86090201)	53.54729 (86092409)	67.13542 (86091616)	85.66164 (86091804)
-506.0	39.76448 (86091924)	53.65573 (86060504)	48.69695 (86091902)	54.82284 (86102209)	74.41869 (86101103)
-606.0	34.39643 (86082105)	45.10986 (86101824)	37.29703 (86102209)	43.90374 (86121522)	65.76239 (86101923)
-706.0	32.60044 (86110507)	31.02289 (86121508)	44.06345 (86101102)	53.33425 (86121403)	39.90434 (86121520)
-806.0	27.30306 (86121508)	27.26546 (86121019)	29.42378 (86010212)	45.17469 (86101902)	48.56435 (86111303)
-906.0	27.73532 (86110504)	27.12301 (86101102)	39.91028 (86121403)	42.37984 (86120702)	45.10252 (86101602)
-1006.0	32.07712 (86101102)	29.67153 (86101103)	38.52267 (86101902)	30.33777 (86071521)	39.97799 (86032802)
-1106.0	19.02437 (86122618)	31.12148 (86121403)	32.82805 (86082703)	36.07191 (86101924)	38.28543 (86120706)
-1206.0	26.93538 (86101103)	33.05981 (86090907)	32.47919 (86120702)	34.31084 (86101024)	34.95046 (86060421)
-1306.0	25.06342 (86121403)	29.01038 (86120623)	26.37810 (86040204)	31.84851 (86090703)	31.30619 (86120719)
-1406.0	28.66924 (86090907)	26.27824 (86120623)	25.52322 (86102001)	30.48953 (86122619)	30.40777 (86120719)
-1506.0	26.75093 (86100924)	24.66376 (86120703)	28.34327 (86122802)	28.26097 (86122619)	29.25500 (86121319)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	30.53964 (86061222)	19.55552 (86071424)	29.84446 (86060722)	32.09170 (86020707)	27.65748 (86080721)
794.0	33.22290 (86012119)	22.08122 (86030520)	32.62896 (86062502)	31.57982 (86040720)	31.59147 (86072623)
694.0	37.37576 (86012119)	27.15328 (86030520)	35.22811 (86060722)	33.09424 (86071623)	35.52485 (86070921)
594.0	39.78640 (86061222)	28.00747 (86081401)	37.69715 (86020621)	25.68126 (86080721)	36.20496 (86032321)
494.0	38.01118 (86061222)	26.84591 (86020810)	39.68749 (86062524)	35.10707 (86070121)	34.52222 (86071823)
394.0	33.75569 (86052005)	33.55445 (86020810)	41.71887 (86062524)	44.88023 (86020620)	36.71139 (86030220)
294.0	42.46704 (86111706)	42.02372 (86020810)	38.11297 (86051218)	40.06559 (86071823)	34.37803 (86070908)
194.0	63.50583 (86031822)	52.94016 (86030521)	52.31774 (86040518)	43.07082 (86091813)	49.51860 (86031420)
94.0	71.58672 (86111814)	69.94458 (86021816)	67.13039 (86051519)	70.03156 (86040824)	50.59135 (86052621)
-6.0	106.97717 (86111624)	111.35113 (86021910)	88.79556 (86062519)	68.28554 (86040904)	53.84361 (86090519)
-106.0	189.19246 (86031205)	271.00244 (86063021)	134.00670 (86053119)	76.91747 (86030313)	58.78405 (86061519)
-206.0	784.57574 (86030821)	921.25427 (86022719)	150.26793 (86071619)	84.54603 (86052918)	63.33844 (86031608)
-306.0	202.21478 (86121323)	240.36732 (86022802)	130.17491 (86050908)	80.71611 (86041018)	59.55612 (86030407)
-406.0	106.93002 (86083105)	112.64108 (86041702)	90.74440 (86012608)	70.94757 (86080917)	55.31959 (86012017)
-506.0	76.84093 (86013007)	72.90633 (86111810)	72.73483 (86012724)	56.64758 (86031601)	50.39580 (86061102)
-606.0	65.31684 (86103023)	54.88453 (86112616)	64.11007 (86050304)	50.89116 (86120220)	43.38001 (86042306)
-706.0	53.03283 (86120604)	57.78188 (86120522)	41.06998 (86072020)	52.48871 (86030105)	48.59355 (86032106)
-806.0	47.91101 (86033101)	50.90235 (86120522)	47.80719 (86012323)	39.10585 (86012322)	43.66457 (86030505)
-906.0	44.98310 (86120324)	45.03199 (86112124)	44.75067 (86100701)	43.67368 (86050304)	39.12596 (86032803)
-1006.0	40.66217 (86120304)	41.43686 (86112124)	41.02752 (86120319)	31.08617 (86120222)	36.37657 (86021307)
-1106.0	38.69536 (86120304)	38.02957 (86120403)	37.88677 (86052305)	31.32503 (86041703)	34.75012 (86080104)
-1206.0	35.08202 (86120304)	36.05886 (86120403)	35.17300 (86090321)	34.57776 (86112106)	32.45504 (86120222)
-1306.0	33.33831 (86120303)	33.75826 (86120403)	32.12428 (86112707)	31.61537 (86111004)	27.92521 (86092301)
-1406.0	31.46041 (86120506)	31.46784 (86120603)	30.27627 (86112707)	28.30817 (86041801)	20.35237 (86041703)
-1506.0	29.82546 (86120502)	29.92087 (86120603)	26.72405 (86032221)	28.79089 (86100107)	28.18194 (86011621)

\*\*MODELOPTs: CONC

RURAL FLAT

DEFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
INCLUDING SOURCE(S): 1407 , GEN03 ,

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\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	489.00	589.00	689.00	789.00	889.00
894.0	30.50478 (86111820)	30.39916 (86051121)	27.51808 (86012701)	29.18435 (86040520)	28.25765 (86041420)
794.0	31.80899 (86021501)	30.39627 (86012921)	30.27603 (86112223)	29.45634 (86070223)	29.08927 (86031420)
694.0	32.68715 (86051121)	32.06827 (86062421)	29.80561 (86070223)	30.46261 (86060823)	26.81984 (86050901)
594.0	34.90601 (86030220)	33.50882 (86021804)	31.93643 (86021922)	29.93725 (86050901)	31.13259 (86032421)
494.0	33.97410 (86040723)	34.46792 (86021921)	32.64521 (86050901)	32.18658 (86031801)	31.43926 (86021920)
394.0	33.78823 (86070223)	35.07877 (86041522)	34.18401 (86031801)	32.19168 (86021920)	32.43633 (86060622)
294.0	43.95616 (86030321)	38.55775 (86052621)	34.87748 (86052423)	38.86102 (86041024)	30.19877 (86052521)
194.0	46.35188 (86052621)	44.33537 (86052423)	42.80317 (86012924)	32.78139 (86042823)	24.58207 (86041120)
94.0	49.50890 (86041024)	33.19276 (86061308)	28.45560 (86062508)	38.18706 (86022520)	28.08008 (86030120)
-6.0	42.53422 (86070108)	35.95090 (86041601)	31.08023 (86062708)	33.48579 (86071902)	32.67513 (86100423)
-106.0	43.36976 (86060117)	35.08059 (86072420)	30.98365 (86072118)	32.37306 (86041603)	36.21119 (86022420)
-206.0	48.21230 (86012704)	43.84611 (86071622)	40.89654 (86071622)	37.93680 (86071622)	35.21459 (86071622)
-306.0	48.46566 (86021502)	46.83542 (86073021)	36.23598 (86030203)	35.06766 (86012001)	36.47318 (86082424)
-406.0	56.74776 (86071924)	38.01331 (86050822)	36.39406 (86040923)	41.66376 (86082322)	33.39964 (86011305)
-506.0	49.67149 (86042223)	44.01495 (86021220)	44.18687 (86030107)	37.82622 (86012002)	33.79726 (86013005)
-606.0	46.58094 (86061102)	46.69761 (86012806)	39.14022 (86011303)	38.92666 (86022503)	36.55921 (86041621)
-706.0	36.01858 (86021606)	38.59032 (86011107)	41.06760 (86050305)	38.93904 (86042223)	34.08656 (86012703)
-806.0	37.71664 (86030507)	35.90800 (86010520)	36.07422 (86050223)	31.99619 (86072003)	33.85290 (86041724)
-906.0	36.79946 (86030506)	30.21124 (86042306)	35.84264 (86010520)	34.05144 (86050223)	32.18343 (86110320)
-1006.0	33.25696 (86112621)	36.96169 (86042301)	34.40614 (86050301)	33.73981 (86042304)	31.62779 (86050223)
-1106.0	33.33087 (86041305)	32.03422 (86100421)	31.15709 (86030507)	31.49240 (86050301)	31.04951 (86042304)
-1206.0	31.59389 (86112622)	29.22871 (86100602)	30.96347 (86032220)	29.42858 (86100524)	30.37107 (86011306)
-1306.0	29.61563 (86020107)	30.87486 (86041305)	30.09088 (86030505)	28.94312 (86042301)	22.66652 (86101420)
-1406.0	29.80658 (86100605)	29.29335 (86111819)	25.18122 (86082307)	27.78762 (86052023)	23.98672 (86030507)
-1506.0	28.15452 (86081904)	27.50218 (86102604)	28.16137 (86041305)	26.21564 (86112621)	25.33663 (86030506)



\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	989.00	1089.00	1189.00	1289.00	1389.00
894.0	27.13349 (86050122)	21.06431 (86050901)	26.33246 (86042721)	24.28873 (86041822)	18.97634 (86021920)
794.0	23.79839 (86050901)	27.91748 (86042721)	26.74564 (86040221)	19.14506 (86040121)	23.16044 (86052423)
694.0	29.42996 (86042721)	28.72790 (86040221)	20.53016 (86052423)	22.57803 (86060622)	24.26251 (86011924)
594.0	29.48975 (86041822)	25.97565 (86040121)	25.46334 (86072106)	23.56047 (86012924)	20.90590 (86012924)
494.0	28.65000 (86072106)	30.38177 (86011924)	28.04521 (86012924)	17.76249 (86071122)	20.82084 (86042823)
394.0	31.23818 (86052521)	18.52425 (86012924)	24.51250 (86042823)	17.63235 (86041120)	27.46431 (86090721)
294.0	28.76171 (86042823)	20.82697 (86041120)	29.79619 (86090721)	26.13033 (86030122)	27.68605 (86030120)
194.0	34.97123 (86061621)	32.52507 (86030120)	22.12701 (86030122)	17.82056 (86033022)	26.75166 (86061224)
94.0	22.05109 (86033022)	31.82384 (86061224)	30.59602 (86071902)	28.18517 (86061622)	28.18390 (86100423)
-6.0	29.26601 (86061622)	27.69242 (86040123)	18.76875 (86050824)	19.09282 (86073101)	21.23985 (86041603)
-106.0	35.92474 (86022420)	32.37679 (86012623)	28.45693 (86061101)	28.87629 (86052103)	28.64460 (86080723)
-206.0	33.13977 (86012704)	32.25502 (86072701)	31.27122 (86072701)	30.19131 (86072701)	29.06732 (86072701)
-306.0	35.54698 (86012807)	33.53435 (86040122)	32.36105 (86040122)	29.88247 (86040921)	27.31627 (86041622)
-406.0	32.96771 (86053021)	32.51439 (86022421)	28.79922 (86030203)	30.27254 (86012001)	27.79043 (86080101)
-506.0	30.51860 (86100820)	33.62460 (86062901)	31.39901 (86050904)	28.26546 (86050903)	27.25151 (86053021)
-606.0	33.44435 (86032024)	28.41277 (86052102)	29.38346 (86013005)	26.44835 (86100820)	27.87834 (86100820)
-706.0	32.70797 (86011321)	30.91086 (86081503)	30.53784 (86020708)	26.07091 (86050822)	26.98944 (86092722)
-806.0	31.59270 (86060204)	31.75024 (86021220)	29.25033 (86072002)	28.70687 (86082223)	28.16214 (86020708)
-906.0	31.81961 (86022504)	30.47899 (86042223)	28.46717 (86072004)	27.71712 (86041705)	26.86886 (86012801)
-1006.0	29.86177 (86110320)	29.04369 (86053002)	27.90181 (86022505)	24.88679 (86072004)	26.86171 (86052121)
-1106.0	29.17394 (86050223)	28.78873 (86070424)	27.62280 (86053002)	25.52308 (86031620)	24.44315 (86042223)
-1206.0	28.24509 (86042304)	26.85229 (86050223)	26.88542 (86070424)	23.43494 (86053002)	24.21462 (86012723)
-1306.0	27.82257 (86011306)	25.63543 (86010520)	24.72374 (86050223)	24.32647 (86070424)	23.69579 (86090521)
-1406.0	22.50182 (86042306)	24.32741 (86021523)	23.21799 (86010520)	22.81592 (86050223)	21.78411 (86041304)
-1506.0	26.05253 (86100524)	23.08158 (86050301)	22.81445 (86050224)	21.08677 (86010520)	21.35085 (86021301)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	4.84392 (86061424)	4.22220c(86080924)	6.59091c(86071408)	4.18830c(86110424)	6.64053c(86071124)
794.0	7.74111c(86040508)	5.41170 (86061424)	4.11546 (86012524)	7.35439c(86071408)	4.29393 (86031124)
694.0	7.52036c(86040508)	8.55442c(86040508)	6.08656 (86061424)	4.85304c(86021008)	7.53022c(86071408)
594.0	5.67687 (86051608)	7.28539c(86040508)	9.50095c(86040508)	6.89120 (86061424)	6.54879c(86071408)
494.0	8.05028 (86051608)	8.14721 (86051608)	6.53533c(86040508)	10.59995c(86040508)	7.84765 (86061424)
394.0	6.44927c(86051708)	7.58531 (86051608)	10.50295 (86051608)	5.83102c(86031524)	11.85047c(86040508)
294.0	7.62987c(86051108)	9.10953c(86051708)	7.18021 (86051608)	11.31482 (86051608)	8.88364 (86051608)
194.0	8.00000 (86030908)	11.60288c(86061508)	9.04058c(86061508)	11.46556c(86051708)	10.38017 (86051608)
94.0	6.81361c(86051008)	6.35848c(86051008)	7.72991 (86051508)	13.03135c(86061508)	13.33780c(86061508)
-6.0	6.95119c(86062308)	7.66970c(86081008)	8.29833c(86081008)	7.62541c(86051008)	9.38457c(86051008)
-106.0	8.58569c(86093008)	9.02410c(86093008)	9.47570c(86093008)	9.90592c(86093008)	10.78988c(86062308)
-206.0	8.97963c(86091708)	9.64694c(86091708)	10.38051c(86091708)	11.18359c(86091708)	12.05671c(86091708)
-306.0	8.59978 (86091608)	9.29568 (86091608)	9.99624 (86050408)	10.63823 (86050408)	10.00684 (86050408)
-406.0	5.88076c(86081208)	9.44884c(86081208)	12.78450c(86081208)	11.55044c(86081208)	8.54851 (86011008)
-506.0	6.36001c(86081208)	5.83675c(86101308)	8.19348 (86091008)	11.30600 (86060508)	8.24234 (86060508)
-606.0	7.63697 (86060508)	8.04261 (86060508)	5.89411 (86081224)	8.20334 (86081224)	13.35794c(86090808)
-706.0	5.12740c(86070324)	6.29859 (86081224)	9.57116c(86090808)	10.72613c(86090808)	7.57365c(86091908)
-806.0	6.70473c(86090808)	11.18292c(86090808)	5.52717 (86012408)	8.71712c(86091908)	5.52442 (86091008)
-906.0	8.18501c(86090808)	4.23958c(86090824)	8.07209c(86091908)	5.01788 (86091824)	5.10798 (86101824)
-1006.0	4.87350c(86091908)	6.67699c(86091908)	4.77757 (86091824)	4.31286 (86101824)	5.63223 (86091808)
-1106.0	5.23762c(86091908)	4.46881 (86091824)	3.71156 (86101824)	5.16884c(86110508)	5.61310c(86121708)
-1206.0	4.29620c(86090808)	3.43884c(86082108)	4.56007c(86110508)	4.73022c(86121708)	6.65495 (86120208)
-1306.0	3.33583c(86082108)	3.98961c(86081008)	3.93017c(86121708)	4.73139 (86120208)	6.87146 (86120208)
-1406.0	3.90244c(86081008)	3.56894c(86110508)	3.66062c(86121708)	5.73266 (86120208)	5.41131 (86120208)
-1506.0	3.91152c(86110508)	3.29121c(86121708)	4.50616 (86120208)	5.34758 (86120208)	4.71132 (86083008)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	10.12996c(86071408)	6.62867c(86100824)	9.84524c(86080208)	9.87416c(86101324)	8.47946c(86020508)
794.0	7.69743c(86071724)	6.30302(86110524)	8.31334c(86080208)	11.99455c(86101324)	9.50603c(86020508)
694.0	6.73117c(86071124)	10.86221c(86071408)	8.15784c(86072308)	12.18262c(86101324)	10.15932c(86020508)
594.0	6.21870c(86071408)	9.13155c(86071124)	8.89485(86110524)	12.52266c(86080208)	9.71066c(86020508)
494.0	8.72045c(86071408)	6.50457c(86110624)	11.17345c(86071408)	11.10001(86111624)	13.20071c(86101324)
394.0	8.96291(86061424)	10.61356c(86071408)	11.07597c(86071124)	13.76422(86110524)	17.17093c(86101324)
294.0	13.13763c(86040508)	10.17995(86061424)	10.17988c(86071408)	14.47085c(86071224)	16.25965c(86080208)
194.0	14.99789(86051608)	13.88307c(86040508)	11.80034c(86021008)	12.91780c(86110624)	22.67799(86110524)
94.0	15.02129c(86051708)	18.22623(86051608)	12.17994c(86040508)	16.72329c(86011816)	21.39453c(86071224)
-6.0	12.26736(86051508)	21.30198c(86061508)	20.35622c(86051708)	19.58707(86051608)	24.08685(86112524)
-106.0	11.57180(86030908)	14.56075(86102508)	20.29139(86102508)	30.97708c(86061508)	46.21547(86051608)
-206.0	12.95287c(86091708)	13.79129c(86091708)	15.84422(86030824)	21.36045(86030824)	37.88949(86030824)
-306.0	9.44798(86101208)	15.06245(86101208)	18.62427(86101208)	32.97144(86090108)	54.39898(86012408)
-406.0	12.61486(86060508)	14.92776(86060508)	16.93746(86091508)	19.58124(86010824)	36.87630c(86121708)
-506.0	11.35149(86081224)	16.50570(86012408)	12.69897c(86091908)	19.03265c(86121708)	36.60515(86083008)
-606.0	7.85578c(86090824)	8.73684(86101824)	11.38738c(86121708)	25.07707(86120208)	25.72833c(86123108)
-706.0	6.60458(86101824)	7.74195(86101824)	13.02654c(86121708)	19.01668(86083008)	20.25089(86102916)
-806.0	6.18850(86101824)	9.80928c(86121708)	16.35931(86120208)	17.28187c(86123108)	18.82736(86102916)
-906.0	7.17280c(86121708)	11.22736(86120208)	11.65350(86083008)	12.87188c(86123108)	15.59690(86111308)
-1006.0	6.99444(86120208)	10.54467(86120208)	12.13846c(86123108)	10.12930(86102916)	15.46228c(86122708)
-1106.0	8.90643(86120208)	8.06190(86083008)	11.08426c(86123108)	10.19767(86102916)	14.22184c(86122708)
-1206.0	7.35934(86120208)	9.05655c(86123108)	8.35891(86120708)	10.86742(86120624)	13.80500c(86100808)
-1306.0	6.02592(86083008)	9.23677c(86123108)	6.53320(86121624)	9.70029(86120624)	11.81563c(86100808)
-1406.0	7.07165c(86123108)	7.36258c(86123108)	6.51094(86102916)	10.17204c(86122708)	9.22395c(86100808)
-1506.0	7.65727c(86123108)	6.43553(86120708)	7.43527(86120624)	10.60320c(86122708)	7.74136c(86092908)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)	CONC OF CO	IN MICROGRAMS/M**3	CONC OF CO	IN MICROGRAMS/M**3
-11.00	89.00	189.00	289.00	389.00	
894.0	794.0	694.0	594.0	494.0	394.0
294.0	194.0	94.0	-6.0	-106.0	-206.0
-306.0	-406.0	-506.0	-606.0	-706.0	-806.0
-906.0	-1006.0	-1106.0	-1206.0	-1306.0	-1406.0
-1506.0					

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	6.99316c(86070924)	10.56752c(86030224)	5.97221c(86040724)	6.13559c(86011424)	8.10415 (86040824)
794.0	10.36123c(86030224)	7.68121 (86012924)	6.26131c(86011424)	7.46085 (86040824)	7.96909c(86031424)
694.0	12.20545c(86030224)	6.96775c(86040724)	5.63552 (86040824)	8.81248 (86040824)	8.42877c(86041524)
594.0	8.98496 (86012924)	7.54095c(86011424)	11.63468 (86040824)	9.63870c(86041524)	7.22345c(86041524)
494.0	7.57629 (86012924)	13.60654 (86040824)	11.12526c(86041524)	7.99348c(86041524)	8.04236c(86021924)
394.0	12.00718 (86040824)	12.90592c(86041524)	8.86529c(86041524)	8.82525c(86021924)	5.27429c(86072108)
294.0	14.80545c(86041524)	9.84894c(86041524)	8.38182c(86021924)	6.50484c(86011924)	5.79113c(86022116)
194.0	10.82160c(86041524)	7.38923c(86052424)	8.60440c(86022116)	6.37600c(86071124)	4.74442c(86041124)
94.0	11.95047c(86022116)	9.95661c(86022116)	5.94712c(86061624)	10.07928c(86030124)	9.42426c(86030124)
-6.0	8.07890c(86061624)	11.06289c(86030124)	5.57978c(86061524)	7.16407c(86061524)	6.87226c(86061524)
-106.0	11.69035c(86061524)	7.63433c(86072424)	5.84785c(86041024)	6.57565c(86041024)	6.81183c(86022424)
-206.0	18.78998c(86071624)	15.47529c(86071624)	13.13813c(86071624)	11.37677c(86071624)	10.01269c(86071624)
-306.0	12.27947c(86022424)	11.45987c(86022424)	7.78587c(86012008)	6.76858c(86062108)	6.61712c(86062108)
-406.0	11.57902c(86041624)	10.79938c(86052108)	9.08792 (86040924)	9.52261 (86040924)	8.41546 (86050908)
-506.0	12.72253c(86042224)	15.54631c(86011324)	12.19239c(86041624)	9.01886c(86052508)	7.73591c(86052108)
-606.0	8.60777c(86010508)	13.12585c(86031624)	9.28814c(86030124)	12.74936c(86011324)	11.18538c(86041624)
-706.0	12.29216c(86042308)	6.48114c(86061108)	12.00284c(86052124)	8.41348c(86030624)	8.44391 (86040924)
-806.0	8.93302c(86010108)	10.36108c(86042308)	5.32495c(86061108)	9.59253c(86052124)	9.95929c(86030624)
-906.0	9.37610 (86030508)	7.81209c(86042308)	8.70769c(86042308)	5.08235c(86042224)	6.98637c(86052124)
-1006.0	10.55294c(86100608)	11.25218c(86102524)	9.35151c(86042308)	7.37064c(86042308)	4.97671c(86042224)
-1106.0	11.29512 (86090524)	8.52740c(86100608)	9.04937c(86102524)	9.73308c(86042308)	6.45442c(86021224)
-1206.0	10.42100c(86102608)	8.50702c(86100608)	8.41710c(86102524)	5.81912c(86102524)	9.24712c(86042308)
-1306.0	11.29613c(86102608)	10.05479 (86090524)	9.12884c(86100608)	9.53799c(86102524)	5.11334c(86042308)
-1406.0	7.17737c(86102608)	8.35405 (86090524)	6.86508c(86100608)	5.71680 (86030508)	8.26560c(86102524)
-1506.0	4.76543 (86012724)	10.48641c(86102608)	8.94415 (86090524)	8.54989c(86100608)	7.50395c(86102524)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00	1389.00
894.0	7.31308c(86031424)	6.64760c(86041524)	5.50993c(86041524)	4.24925c(86040224)	4.73925c(86021924)
794.0	7.44664c(86041524)	5.99111c(86041524)	4.79804c(86042824)	4.87498c(86021924)	3.86159c(86072108)
694.0	6.55931c(86041524)	5.56791c(86021924)	4.72230c(86021924)	4.47376c(86072108)	4.39380c(86041108)
594.0	6.80534c(86021924)	4.56977c(86052424)	4.24389c(86072108)	4.48148c(86091224)	4.02451c(86091224)
494.0	5.24308c(86052424)	5.11731c(86041108)	5.11136c(86091224)	4.02268c(86042824)	3.74036c(86071124)
394.0	5.46981c(86091224)	4.10664c(86022116)	4.45975c(86071124)	3.54318c(86060924)	5.00620c(86041124)
294.0	5.35761c(86071124)	4.04176c(86060924)	5.44111c(86041124)	8.67463c(86030124)	9.26338c(86030124)
194.0	6.28597c(86061624)	10.89796c(86030124)	7.34147c(86030124)	3.62901 (86081624)	4.48459c(86033024)
94.0	4.44295 (86081624)	5.35160c(86061224)	5.09934c(86071908)	4.88871c(86053008)	4.70411c(86061624)
-6.0	5.49989c(86061524)	5.33555c(86073108)	4.49478c(86073108)	3.18214c(86073108)	3.39503 (86050824)
-106.0	6.62805c(86022424)	5.86720c(86022424)	4.93729c(86022424)	5.12163c(86042908)	5.44066c(86042908)
-206.0	8.96449c(86071624)	8.10779c(86071624)	7.38332c(86071624)	6.76419c(86071624)	6.22956c(86071624)
-306.0	6.13813c(86082424)	5.53951c(86082424)	5.37680c(86100524)	5.06916c(86100524)	4.63525c(86100524)
-406.0	7.44169c(86022424)	6.87936c(86022424)	5.98377c(86030424)	5.30585c(86030424)	4.82172c(86030208)
-506.0	5.84480 (86040924)	7.93070 (86040924)	6.86470 (86050908)	6.44037 (86050908)	5.01975 (86050908)
-606.0	8.60875c(86052508)	7.87720c(86052108)	5.57440c(86052108)	4.63389c(86012808)	5.97314 (86040924)
-706.0	10.37844c(86041624)	9.92985c(86041624)	7.26265c(86052508)	6.38693c(86052108)	6.30556c(86052108)
-806.0	7.53205c(86030124)	8.45883c(86011324)	9.26498c(86041624)	8.76080c(86041624)	6.40517 (86071924)
-906.0	9.21664c(86031624)	6.43663c(86030624)	6.24951c(86030124)	7.96245c(86041708)	8.23729c(86041624)
-1006.0	5.29190c(86072008)	8.72417c(86052124)	7.68491c(86030624)	6.21160c(86030124)	6.19587 (86040924)
-1106.0	4.81020c(86042224)	4.85677c(86041308)	7.92193c(86052124)	7.70591c(86030624)	5.04738c(86030624)
-1206.0	6.00616c(86021224)	4.61270c(86042224)	4.52912c(86041308)	6.67265c(86052124)	6.80876c(86030624)
-1306.0	8.39410c(86042308)	5.58215c(86021224)	4.40290c(86042224)	4.09330c(86041308)	5.38933c(86052124)
-1406.0	5.94590c(86042308)	7.47383c(86042308)	5.19169c(86021224)	4.19154c(86042224)	3.65462c(86061108)
-1506.0	6.16352c(86102524)	6.50052c(86042308)	6.61844c(86042308)	4.83505c(86021224)	3.98450c(86042224)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	3.86980 (86050508)	4.21995c(86090508)	6.28814c(86071208)	4.17316c(86071408)	5.47608c(86092924)
794.0	3.45516 (86050508)	4.13915 (86050508)	4.10390c(86021008)	6.91922c(86071208)	4.24565c(86082224)
694.0	4.46011c(86080708)	3.61813 (86070508)	4.42108 (86050508)	4.71470c(86071408)	6.44160c(86071208)
594.0	4.26003c(86080608)	4.08330c(86080708)	4.05616c(86020524)	4.70406 (86050508)	5.73287c(86021008)
494.0	6.60475c(86031808)	4.97689c(86051108)	4.50925c(86080608)	4.87863c(86020524)	5.02534c(86011816)
394.0	5.49426 (86051608)	6.33799c(86031808)	6.27194c(86051108)	5.46209c(86080608)	5.97211c(86020524)
294.0	7.52477 (86050508)	7.99197c(86051108)	6.80757c(86051708)	9.10519c(86031808)	6.00047c(86031524)
194.0	7.75232 (86051508)	7.98076 (86030908)	8.91797c(86051108)	9.72366c(86051108)	8.47448 (86051508)
94.0	5.53303c(86031524)	5.33178c(86071308)	6.99945 (86030908)	11.09395 (86030908)	10.22455c(86051108)
-6.0	6.03531 (86030908)	6.87746 (86030908)	6.23278 (86030908)	7.29997 (86102508)	7.62442 (86102508)
-106.0	5.77482 (86091108)	6.06464 (86091108)	6.21966 (86112508)	8.42716c(86062308)	9.82858c(86093008)
-206.0	7.22572 (86090924)	7.60076 (86090924)	7.97550 (86090924)	8.33438 (86090924)	8.70215 (86030824)
-306.0	7.83930 (86050408)	8.91351 (86050408)	9.56371 (86091608)	9.13037 (86091608)	7.99262 (86091608)
-406.0	5.29805c(86052724)	6.24058 (86062208)	8.81964c(86082208)	9.66533c(86082208)	8.08848 (86102408)
-506.0	5.58430c(86061908)	5.70927c(86091708)	7.50976 (86060508)	8.49036 (86090108)	7.67563 (86090108)
-606.0	7.16425 (86091008)	5.90995 (86090108)	5.76058c(86092024)	7.29832c(86091924)	11.52610 (86012408)
-706.0	4.85772c(86092024)	6.17974c(86091924)	7.69784 (86012408)	9.67095 (86012408)	5.53257c(86090824)
-806.0	5.55020 (86012408)	8.06602 (86012408)	5.44781c(86090824)	5.06488c(86100808)	5.48967c(86121016)
-906.0	6.65708 (86012408)	4.00434 (86091108)	5.28149c(86100808)	4.91835 (86091008)	4.67258c(86081008)
-1006.0	3.57991 (86091108)	4.97849c(86090208)	4.42848 (86091008)	3.87943c(86081008)	5.41459c(86121708)
-1106.0	4.70097c(86090208)	4.37511c(86090808)	3.50388 (86091008)	4.91704 (86091808)	4.32217 (86120208)
-1206.0	4.14469 (86091824)	3.30763 (86091008)	4.09395 (86091808)	3.39635 (86112824)	4.04707 (86112824)
-1306.0	3.11743 (86091008)	3.84659c(86110508)	2.96477 (86091808)	4.27258c(86060608)	4.32149 (86101908)
-1406.0	3.17703c(86110508)	3.26650c(86121708)	3.64835c(86060608)	3.50303 (86102408)	5.01406 (86083008)
-1506.0	3.22573 (86091808)	2.56484c(86060608)	2.75355 (86112824)	3.72582 (86101908)	4.14297c(86072324)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	7.78562c(86071724)	6.20802 (86110524)	6.50587c(86101324)	6.33023c(86080124)	6.44358c(86111724)
794.0	7.65865c(86092924)	5.93263c(86071224)	7.49083c(86072308)	6.44952 (86031024)	6.44395c(86111724)
694.0	5.51232c(86071324)	8.91685c(86071724)	7.89914 (86111624)	7.44817c(86121124)	6.66690c(86072424)
594.0	5.54667c(86110624)	8.20065c(86092924)	7.99925 (86111624)	9.16252c(86101324)	8.19878c(86101324)
494.0	7.04988c(86071208)	6.19663 (86031124)	10.93631c(86071224)	10.20261 (86031208)	10.44405 (86031024)
394.0	6.41941c(86011816)	8.07441c(86071208)	7.42678c(86092924)	12.28445 (86111624)	12.68201c(86121124)
294.0	7.55463c(86020524)	8.53847c(86021008)	9.48680c(86110624)	11.93875c(86031508)	15.70806 (86031208)
194.0	9.71027c(86051108)	9.61580c(86020524)	11.76168c(86011816)	10.53886 (86031124)	21.49798 (86031208)
94.0	12.09087c(86051108)	13.67482c(86031808)	11.84023c(86020524)	16.40235c(86021008)	19.64492 (86120916)
-6.0	11.82607c(86061508)	14.96465c(86051908)	15.21466 (86051608)	18.80675 (86101316)	22.01316 (86101016)
-106.0	10.46147c(86062308)	14.14783 (86030908)	13.53423c(86051008)	22.97924 (86051508)	38.48121 (86051508)
-206.0	10.31155 (86030824)	12.54371 (86030824)	14.55173c(86091708)	17.39278c(86110624)	29.72668c(86110624)
-306.0	8.53222 (86062208)	14.38760c(86082208)	17.62838 (86011008)	30.56422 (86060408)	45.37986 (86091508)
-406.0	12.56318 (86091008)	14.48856 (86090108)	16.56253 (86081224)	16.84432 (86101116)	31.06496 (86112824)
-506.0	9.75569 (86012408)	14.32810c(86090808)	12.25900 (86010824)	15.00407 (86083108)	34.48466 (86120208)
-606.0	6.79700 (86012408)	8.43289 (86083116)	10.08667 (86101824)	16.25943 (86112824)	21.92165 (86103024)
-706.0	6.55620c(86121016)	7.59598c(86121708)	11.73676 (86120208)	16.53847 (86120208)	18.07577 (86121624)
-806.0	5.68242c(86081008)	7.13171 (86112824)	10.34674 (86083008)	11.93029 (86122216)	16.83019 (86111308)
-906.0	5.80191 (86091808)	6.85614 (86112824)	9.63669 (86120208)	11.72617 (86103024)	14.70102c(86122708)
-1006.0	6.36457c(86121708)	7.96974 (86083008)	7.53756 (86083008)	10.10140 (86121624)	13.32966 (86110116)
-1106.0	5.06244 (86101908)	6.42594 (86120208)	7.89204 (86103024)	9.23403 (86120624)	13.71031c(86100808)
-1206.0	6.26709 (86083008)	6.25593 (86101908)	7.86666c(86123108)	9.99440 (86111308)	11.55857c(86122708)
-1306.0	4.91367 (86101908)	5.43512 (86103024)	6.29152 (86102916)	9.27162c(86122708)	9.56838 (86120608)
-1406.0	5.23978 (86101908)	5.96114 (86120708)	5.86784 (86120624)	7.78281 (86111308)	8.87775c(86092908)
-1506.0	4.47537 (86101908)	5.49530c(86123108)	6.69213 (86101924)	8.52171c(86100808)	7.48176 (86103008)



\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS)	189.00	289.00	389.00
894.0	6.33838 (86031308)	4.86103c(86081408)	7.67389c(86012824)	6.39511 (86031924)	4.60958c(86080724)	
794.0	6.96634 (86031308)	5.88596c(86030524)	7.92923c(86030524)	5.05215 (86031924)	5.77170c(86020624)	
694.0	7.54051 (86031308)	7.35678c(86030524)	8.66035c(86021908)	6.07728c(86072524)	7.88703c(86070924)	
594.0	8.01116 (86111708)	9.36516c(86030524)	9.16871c(86021908)	6.18801c(86072524)	8.20926c(86070924)	
494.0	9.89094 (86111708)	11.53326c(86021908)	8.77070c(86021908)	8.42508 (86063024)	10.30265c(86051124)	
394.0	11.23624c(86012124)	14.42824c(86021908)	8.30828c(86061124)	11.83208c(86070924)	9.73416c(86040724)	
294.0	13.92163c(86110608)	18.46111c(86021908)	9.22560c(86022016)	11.66511c(86051124)	10.01412c(86030408)	
194.0	18.37890 (86111808)	23.93181c(86021908)	14.82078c(86022116)	12.29675c(86030408)	15.49315c(86041524)	
94.0	28.22349 (86031024)	21.69447c(86030524)	16.93163c(86022016)	16.49698c(86021924)	11.41929c(86041524)	
-6.0	45.92908c(86120924)	30.80393c(86061124)	28.66103c(86010308)	14.27092 (86022708)	11.87074 (86040908)	
-106.0	54.31815 (86112524)	83.32704 (86021024)	28.87259 (86040908)	12.47915 (86050816)	9.89112c(86081524)	
-206.0	132.10129 (86091608)	198.46432 (86022724)	34.44767c(86052924)	23.02738c(86052924)	16.22054c(86052924)	
-306.0	94.04322 (86112824)	85.36591 (86122416)	44.66875 (86030116)	14.78652c(86042924)	8.85944c(86070308)	
-406.0	47.30539 (86103124)	38.03448 (86121816)	26.99580 (86011108)	19.78564c(86072008)	14.70296c(86011324)	
-506.0	48.08025 (86110108)	29.24943 (86122016)	15.80219 (86122416)	15.02150 (86011108)	12.81852c(86072008)	
-606.0	36.21492 (86103008)	25.66381 (86122016)	15.82403 (86012724)	11.39648 (86030508)	10.31420c(86012324)	
-706.0	25.04892 (86110116)	23.67275 (86121308)	10.41475 (86111816)	10.27091c(86011124)	12.04153 (86030508)	
-806.0	15.87777 (86110116)	21.06083c(86122924)	12.20578c(86122508)	11.20300c(86011124)	11.76441 (86032124)	
-906.0	16.63100 (86120308)	17.97994c(86122924)	10.47865c(86041708)	7.81759 (86122416)	9.61674c(86011124)	
-1006.0	16.94753 (86120324)	18.13172c(86120408)	10.51867c(86042308)	5.90431 (86120224)	9.38643c(86012324)	
-1106.0	16.28288 (86120324)	18.06630c(86120408)	10.53283 (86112616)	6.41636c(86102608)	7.90478c(86011124)	
-1206.0	15.06380 (86120324)	16.70565 (86121308)	9.79755 (86050308)	7.95319c(86041708)	5.29572c(86070308)	
-1306.0	13.67023 (86120324)	15.13594 (86121308)	7.67802 (86050308)	7.73005c(86041708)	4.64656c(86090408)	
-1406.0	13.30176 (86112708)	13.75571 (86121308)	7.12368c(86111008)	6.64459c(86042308)	4.13335c(86122924)	
-1506.0	13.08328 (86112708)	12.54863 (86121308)	7.50129 (86112616)	6.92822c(86090608)	5.44375c(86041708)	

\*\*MODELOPTs: CONC

RURAL FLAT

DEFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	6.69238c(86020624)	7.89113c(86051124)	5.69059 (86012924)	5.55957 (86012924)	6.71083c(86021924)
794.0	6.49631c(86051124)	7.31937c(86030224)	5.72762 (86012924)	6.08620c(86030424)	6.88388c(86021924)
694.0	8.98539c(86051124)	6.23956c(86062424)	5.44265c(86011424)	8.81023c(86021924)	5.06843c(86071708)
594.0	7.95507c(86030224)	7.33289 (86012924)	10.36676c(86021924)	5.71167c(86031424)	5.27197c(86041124)
494.0	7.24106c(86040724)	10.11539c(86021924)	7.19069c(86031424)	5.86216c(86062524)	6.73799c(86042824)
394.0	7.97096c(86030424)	9.16763c(86031424)	6.65334c(86062524)	6.57515c(86042824)	4.67908c(86060624)
294.0	11.58162c(86031424)	7.47762c(86062524)	5.81291c(86052424)	5.96894c(86022116)	5.04634c(86091224)
194.0	8.84593c(86021924)	6.47163c(86060624)	7.52865 (86040908)	5.80827c(86022116)	4.63692c(86060924)
94.0	8.95059 (86040908)	7.02470c(86071124)	5.73094c(86041124)	6.49624c(86061624)	4.65571c(86011308)
-6.0	7.31286 (86050824)	6.02324c(86071008)	5.37047 (86081624)	5.58097c(86071908)	5.47697c(86061624)
-106.0	8.41843c(86072424)	6.87699c(86061524)	5.77785c(86072424)	5.92931c(86022424)	6.38913c(86041024)
-206.0	11.98277c(86052924)	9.19863c(86052924)	7.28893c(86052924)	6.41556c(86042908)	5.76059c(86042908)
-306.0	10.24742 (86050908)	7.80590c(86073024)	7.06251c(86030424)	5.84461c(86012008)	6.07886c(86082424)
-406.0	10.54750 (86071924)	6.91681c(86041724)	6.49627 (86050908)	8.84329 (86050908)	6.20482c(86022424)
-506.0	10.95478c(86030624)	11.70488c(86041624)	10.83676 (86041608)	8.28179c(86052108)	5.63298c(86013008)
-606.0	7.97145c(86072008)	11.87228c(86052124)	9.10196c(86021224)	11.39971c(86041624)	9.78386 (86041608)
-706.0	7.07935c(86021224)	5.87639c(86010508)	10.74880c(86031624)	8.26821c(86042224)	8.17107c(86021224)
-806.0	8.26421c(86102524)	7.46762c(86021224)	5.08971c(86042224)	7.01308c(86031624)	8.40666c(86031624)
-906.0	8.56112c(86102524)	7.30629c(86012324)	7.28965c(86021224)	4.53879 (86050224)	6.02148c(86072008)
-1006.0	8.60536 (86032124)	8.65276 (86030508)	6.89094c(86012324)	6.90247c(86021224)	4.26715 (86050224)
-1106.0	8.54994c(86011124)	7.53846 (86032124)	6.03234 (86030508)	5.74036c(86012324)	6.29748c(86042308)
-1206.0	8.15154 (86090524)	6.52324 (86032124)	7.20795 (86030508)	4.92291c(86101424)	5.07511c(86021524)
-1306.0	7.46506c(86011124)	7.55058c(86011124)	6.44564 (86032124)	6.54833 (86030508)	4.32383c(86012324)
-1406.0	5.46878c(86011124)	8.29421c(86102608)	5.44809c(86112624)	5.33085c(86102524)	5.10415 (86030508)
-1506.0	4.69844c(86070308)	6.33025c(86011124)	6.67904c(86011124)	5.40133 (86032124)	5.65489 (86030508)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00	1389.00
894.0	5.21141c(86041524)	4.45742c(86071708)	4.61745c(86011424)	4.22438c(86042624)	4.16222c(86042824)
794.0	4.78169c(86071708)	4.84585c(86011424)	4.78148c(86040224)	3.97345c(86042824)	3.86007c(86052424)
694.0	5.05638c(86011424)	5.52426c(86042824)	3.47833c(86042824)	3.68104c(86052424)	4.06868c(86011924)
594.0	6.24390c(86042824)	4.20775c(86021924)	4.05805c(86041108)	3.90574c(86041108)	3.46347c(86052524)
494.0	4.77500c(86072108)	5.09335c(86011924)	4.64017c(86052524)	3.04137c(86022116)	3.13347c(86060924)
394.0	5.20636c(86052524)	3.96058c(86042824)	3.58724c(86042824)	3.35903c(86041124)	4.57739c(86090724)
294.0	4.21648c(86042824)	3.96524c(86041124)	5.23000c(86061624)	4.31212c(86061624)	4.60122c(86011308)
194.0	6.23126c(86030124)	5.39956c(86011308)	3.64070c(86011308)	2.97009c(86033024)	4.47748c(86061224)
94.0	3.67518c(86033024)	5.34753c(86033024)	4.74902c(86053008)	4.71052c(86061624)	3.97430c(86061524)
-6.0	4.89228c(86061624)	3.96440c(86061524)	2.96709c(86080324)	3.08609(86050824)	3.16930c(86041024)
-106.0	6.15261c(86061108)	5.57699c(86061108)	4.74282c(86061108)	4.74759c(86080724)	4.77410c(86080724)
-206.0	5.52816c(86072208)	5.39030c(86072208)	5.22428c(86072208)	5.04259c(86072208)	4.85383c(86072208)
-306.0	5.92450c(86012808)	5.53283c(86012808)	4.90685c(86050724)	4.39649c(86050724)	3.90232c(86041624)
-406.0	5.55196c(86053024)	5.66773c(86073024)	5.19147c(86022424)	5.19684c(86030208)	4.63174c(86080108)
-506.0	5.46343c(86012808)	6.06403(86050908)	5.95047(86040924)	4.99256c(86011308)	4.66001c(86022424)
-606.0	7.34004(86071924)	5.37220c(86052508)	4.89725c(86013008)	4.56548(86050908)	4.86305c(86012808)
-706.0	10.23062c(86011324)	8.60815(86041608)	7.16245(86071924)	6.23641c(86052508)	4.60674c(86013008)
-806.0	5.61667c(86021224)	8.42899c(86041708)	8.32268c(86011324)	7.54313(86041608)	5.91539(86041608)
-906.0	8.83788c(86030624)	6.03366c(86042224)	6.06888(86040924)	7.89560c(86011324)	6.89854c(86011324)
-1006.0	5.00301c(86011324)	8.15060c(86031624)	5.58940(86022508)	4.37000c(86042224)	5.86969c(86041708)
-1106.0	4.00228c(86021224)	4.79812c(86070424)	6.45853c(86031624)	6.66922c(86031624)	4.86263c(86030124)
-1206.0	5.43246c(86042308)	3.90537c(86021224)	4.48090c(86070424)	4.83330c(86031624)	6.75998c(86031624)
-1306.0	4.64757c(86021524)	5.15495c(86042224)	3.77561c(86021224)	4.05441c(86070424)	3.98119c(86110324)
-1406.0	4.39165c(86012324)	4.51454c(86021608)	4.97188c(86042224)	3.62802c(86021224)	3.63154c(86041308)
-1506.0	4.35346c(86101424)	4.16421c(86012324)	4.23484c(86021608)	4.75931c(86042224)	3.47247c(86021224)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR) OF TYPE
1.	998.22900	(86071622)	AT (	89.00, -206.00) GC	26.	453.35986	(86091602)	AT (	-11.00, -206.00) GC
2.	921.25427	(86022719)	AT (	89.00, -206.00) GC	27.	453.35986	(86091721)	AT (	-11.00, -206.00) GC
3.	885.69818	(86012704)	AT (	89.00, -206.00) GC	28.	452.00485	(86013004)	AT (	89.00, -206.00) GC
4.	821.42792	(86091023)	AT (	-11.00, -206.00) GC	29.	451.98871	(86011216)	AT (	89.00, -206.00) GC
5.	784.57574	(86030821)	AT (	-11.00, -206.00) GC	30.	438.80185	(86100518)	AT (	89.00, -206.00) GC
6.	751.63464	(86031608)	AT (	89.00, -206.00) GC	31.	438.70117	(86052917)	AT (	89.00, -206.00) GC
7.	722.71631	(86071619)	AT (	89.00, -206.00) GC	32.	431.29523	(86030406)	AT (	89.00, -206.00) GC
8.	656.66779	(86022723)	AT (	89.00, -206.00) GC	33.	429.09033	(86012423)	AT (	-11.00, -206.00) GC
9.	630.94122	(86050721)	AT (	89.00, -206.00) GC	34.	425.12741	(86080118)	AT (	89.00, -206.00) GC
10.	630.91589	(86012502)	AT (	-11.00, -206.00) GC	35.	412.31622	(86082601)	AT (	-11.00, -206.00) GC
11.	604.91010	(86071617)	AT (	89.00, -206.00) GC	36.	410.03461	(86090409)	AT (	-11.00, -206.00) GC
12.	568.16888	(86062222)	AT (	-11.00, -206.00) GC	37.	396.72983	(86041017)	AT (	89.00, -206.00) GC
13.	547.09430	(86110621)	AT (	-11.00, -206.00) GC	38.	391.08829	(86092909)	AT (	-11.00, -206.00) GC
14.	511.11240	(86061016)	AT (	89.00, -206.00) GC	39.	388.74628	(86111110)	AT (	-11.00, -206.00) GC
15.	501.73672	(86030312)	AT (	89.00, -206.00) GC	40.	388.39639	(86090318)	AT (	89.00, -206.00) GC
16.	499.09396	(86022711)	AT (	89.00, -206.00) GC	41.	373.49316	(86061218)	AT (	89.00, -206.00) GC
17.	489.24326	(86070217)	AT (	89.00, -206.00) GC	42.	365.31009	(86121711)	AT (	-11.00, -206.00) GC
18.	488.89749	(86071009)	AT (	89.00, -206.00) GC	43.	364.14993	(86060812)	AT (	89.00, -206.00) GC
19.	480.85709	(86052918)	AT (	89.00, -206.00) GC	44.	361.68915	(86120810)	AT (	-11.00, -206.00) GC
20.	479.10281	(86062122)	AT (	-11.00, -206.00) GC	45.	357.29486	(86020620)	AT (	89.00, -106.00) GC
21.	478.61365	(86102422)	AT (	-11.00, -206.00) GC	46.	356.52328	(86022413)	AT (	89.00, -206.00) GC
22.	477.85699	(86091102)	AT (	-11.00, -206.00) GC	47.	355.92737	(86092509)	AT (	-11.00, -206.00) GC
23.	477.12445	(86051004)	AT (	-11.00, -206.00) GC	48.	354.86490	(86112508)	AT (	-11.00, -206.00) GC
24.	469.16647	(86070318)	AT (	89.00, -206.00) GC	49.	353.95697	(86020913)	AT (	-11.00, -206.00) GC
25.	456.90530	(86042819)	AT (	89.00, -206.00) GC	50.	352.07065	(86091510)	AT (	-11.00, -206.00) GC

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

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 50 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): 1407 , GEN03 , \*\*\*

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	387.64258c	(86071624)	AT (	89.00,	-206.00) GC	26.	90.53416c	(86050724)	AT (	89.00,	-206.00) GC
2.	198.46432	(86022724)	AT (	89.00,	-206.00) GC	27.	90.31175	(86031516)	AT (	-11.00,	-206.00) GC
3.	185.11832	(86030824)	AT (	-11.00,	-206.00) GC	28.	89.97807	(86120208)	AT (	-11.00,	-306.00) GC
4.	153.25970c	(86052924)	AT (	89.00,	-206.00) GC	29.	87.90791	(86012724)	AT (	89.00,	-306.00) GC
5.	142.83243	(86022716)	AT (	89.00,	-206.00) GC	30.	87.38303	(86120116)	AT (	-11.00,	-306.00) GC
6.	139.95093c	(86022416)	AT (	89.00,	-206.00) GC	31.	87.16100	(86121616)	AT (	-11.00,	-306.00) GC
7.	132.10129	(86091608)	AT (	-11.00,	-206.00) GC	32.	85.36591	(86122416)	AT (	89.00,	-306.00) GC
8.	131.32942	(86062224)	AT (	-11.00,	-206.00) GC	33.	84.38136	(86102424)	AT (	-11.00,	-206.00) GC
9.	125.27244c	(86031608)	AT (	89.00,	-206.00) GC	34.	84.26641	(86071416)	AT (	89.00,	-206.00) GC
10.	124.98295c	(86041024)	AT (	89.00,	-206.00) GC	35.	83.44216	(86070224)	AT (	89.00,	-206.00) GC
11.	124.34675c	(86020624)	AT (	89.00,	-106.00) GC	36.	83.32704	(86021024)	AT (	89.00,	-106.00) GC
12.	119.17455c	(86091024)	AT (	-11.00,	-206.00) GC	37.	81.89672c	(86022116)	AT (	89.00,	-106.00) GC
13.	112.56577	(86041116)	AT (	89.00,	-206.00) GC	38.	80.98624	(86083008)	AT (	-11.00,	-306.00) GC
14.	111.66174	(86012708)	AT (	89.00,	-206.00) GC	39.	79.84097	(86040716)	AT (	89.00,	-206.00) GC
15.	108.71175c	(86012508)	AT (	-11.00,	-206.00) GC	40.	79.71739	(86052016)	AT (	89.00,	-306.00) GC
16.	107.14651	(86060816)	AT (	89.00,	-206.00) GC	41.	79.70078c	(86051008)	AT (	-11.00,	-206.00) GC
17.	102.38065c	(86110624)	AT (	-11.00,	-206.00) GC	42.	78.30323	(86062216)	AT (	-11.00,	-206.00) GC
18.	100.43164c	(86070324)	AT (	89.00,	-206.00) GC	43.	78.23987	(86112924)	AT (	-11.00,	-306.00) GC
19.	99.74677c	(86011216)	AT (	89.00,	-206.00) GC	44.	77.85463	(86112816)	AT (	-11.00,	-306.00) GC
20.	97.86937	(86112916)	AT (	-11.00,	-306.00) GC	45.	76.97191	(86092916)	AT (	-11.00,	-206.00) GC
21.	97.01837c	(86091708)	AT (	-11.00,	-206.00) GC	46.	75.33414c	(86013008)	AT (	89.00,	-206.00) GC
22.	94.04322	(86112824)	AT (	-11.00,	-306.00) GC	47.	74.51497	(86112508)	AT (	-11.00,	-206.00) GC
23.	93.97020	(86062208)	AT (	-11.00,	-206.00) GC	48.	74.30578	(86120716)	AT (	-11.00,	-306.00) GC
24.	93.58386	(86071016)	AT (	89.00,	-206.00) GC	49.	72.62064c	(86012324)	AT (	89.00,	-306.00) GC
25.	92.28329	(86101908)	AT (	-11.00,	-306.00) GC	50.	71.11446c	(86080124)	AT (	89.00,	-206.00) GC

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1986 Met CO  
\*\*\* Revised building height = 38'

\*\*\*  
\*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

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

\*\* CONC OF CO 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	998.22900 ON 86071622: AT (	89.00, -206.00, 0.00,	0.00)	GC 100METER
	HIGH 2ND HIGH VALUE IS	921.25427 ON 86022719: AT (	89.00, -206.00, 0.00,	0.00)	GC 100METER

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1986 Met CO  
\*\*\* Revised building height = 38'

\*\*\*  
\*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

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

\*\* CONC OF CO 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	387.64258c ON 86071624: AT (	89.00, -206.00, 0.00,	0.00)	GC 100METER
	HIGH 2ND HIGH VALUE IS	198.46432 ON 86022724: AT (	89.00, -206.00, 0.00,	0.00)	GC 100METER

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*      \*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1986 Met CO \*\*\*  
\*\*\* Revised building height = 38'      \*\*\*

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\*\*MODELOPTs: CONC                      RURAL FLAT                      DFAULT

\*\*\* Message Summary : ISCST3 Model Execution \*\*\*

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

A Total of                      0 Fatal Error Message(s)  
A Total of                      0 Warning Message(s)  
A Total of                      2521 Informational Message(s)  
  
A Total of                      2520 Calm Hours Identified

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

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

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

ISCST3 CO 1987



\*\* The results for this run are in file 14ST87C.OUT.

\*\*  
CO STARTING  
TITLEONE FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1987 Met CO  
TITLETWO Revised building height = 38'  
MODELOPT DFAULT RURAL CONC  
AVERTIME 1 8  
POLLUTID CO  
RUNORNOT RUN  
ERRORFIL 14ERR87.OUT  
CO FINISHED

SO STARTING  
LOCATION 1407 POINT 189.36 -305.90

\*\* Point Source            QS        HS        TS        VS        DS  
\*\* Parameters:            ----        ----        ----        ----        ----  
SRCPARAM 1407            1.351    17.68    718.1    13.85    2.66

SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDWID 1407	27.22	26.56	25.08	25.61	26.84	27.26
SO BUILDWID 1407	26.85	25.63	23.63	20.90	17.55	13.66
SO BUILDWID 1407	14.87	18.62	21.79	24.30	26.08	27.06
SO BUILDWID 1407	27.22	26.56	25.08	25.61	26.84	27.26
SO BUILDWID 1407	26.85	25.63	23.63	20.90	17.55	13.66
SO BUILDWID 1407	14.87	18.62	21.79	24.30	26.08	27.06

SO LOCATION GEN03 POINT 50.98 -206.27

\*\* Parameters            QS        HS        TS        VS        DS  
\*\*                        ----        ----        ----        ----        ----  
SO SRCPARAM GEN03        0.283    6.10    644.26    45.49    0.2

SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDWID GEN03	82.08	100.88	116.62	128.81	137.09	141.21
SO BUILDWID GEN03	141.03	136.57	127.96	115.46	99.45	80.42
SO BUILDWID GEN03	58.95	35.69	11.34	13.35	37.64	60.78
SO BUILDWID GEN03	82.08	100.88	116.62	128.81	137.09	141.21
SO BUILDWID GEN03	141.03	136.57	127.96	115.46	99.45	80.42
SO BUILDWID GEN03	58.95	35.69	11.34	13.35	37.64	60.78

SO SRCGROUP ALL  
SO FINISHED

RE STARTING  
GRIDCART 100METER STA  
GRIDCART 100METER XYINC -1011 25 100 -1506 25 100  
GRIDCART 100METER END  
RE FINISHED

ME STARTING  
INPUTFIL 14RAM87.ASC  
ANEMHGHT 10  
SURFDATA 93805 1987 TALLAHASSE  
UAIRDATA 12832 1987 APALACHICOLA  
ME FINISHED

OU STARTING  
RECTABLE ALLAVE FIRST SECOND  
MAXTABLE ALLAVE 50  
OU FINISHED

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

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

\*\*Intermediate Terrain Processing is Selected

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

-- SCAVENGING/DEPOSITION LOGIC --

\*\*Model Uses NO DRY DEPLETION. DDPLETE = F

\*\*Model Uses NO WET DEPLETION. WDPLETE = F

\*\*NO WET SCAVENGING Data Provided.

\*\*Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

\*\*Model Uses RURAL Dispersion.

\*\*Model Uses 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 2 Short Term Average(s) of: 1-HR 8-HR

\*\*This Run Includes: 2 Source(s); 1 Source Group(s); and 625 Receptor(s)

\*\*The Model Assumes A Pollutant Type of: CO

\*\*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

\*\*Approximate Storage Requirements of Model = 1.3 MB of RAM.

\*\*Input Runstream File: 14st87c.IN  
 \*\*Output Print File: 14st87c.OUT  
 \*\*Detailed Error/Message File: 14ERR87.OUT

\*\*\* ISCST3 - VERSION 98356 \*\*\*      \*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1987 Met CO \*\*\*      11/24/99  
 \*\*\* Revised building height = 38'      \*\*\*      11:04:30  
 PAGE 2

\*\*MODELOPTs: CONC      RURAL FLAT      DFAULT

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
1407	0	0.13510E+01	189.4	-305.9	0.0	17.68	718.10	13.85	2.66	YES	
GEN03	0	0.28300E+00	51.0	-206.3	0.0	6.10	644.26	45.49	0.20	YES	

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1987 Met CO \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

\*\*\*  
\*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

GROUP ID

SOURCE IDs

ALL 1407 , GEN03 ,

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1987 Met CO \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

\*\*\*  
\*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: 1407

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	11.6,	27.2,	0	2	11.6,	26.6,	0	3	11.6,	25.1,	0	4	11.6,	25.6,	0	5	11.6,	26.8,	0	6	11.6,	27.3,	0
7	11.6,	26.9,	0	8	11.6,	25.6,	0	9	11.6,	23.6,	0	10	11.6,	20.9,	0	11	11.6,	17.5,	0	12	11.6,	13.7,	0
13	11.6,	14.9,	0	14	11.6,	18.6,	0	15	11.6,	21.8,	0	16	11.6,	24.3,	0	17	11.6,	26.1,	0	18	11.6,	27.1,	0
19	11.6,	27.2,	0	20	11.6,	26.6,	0	21	11.6,	25.1,	0	22	11.6,	25.6,	0	23	11.6,	26.8,	0	24	11.6,	27.3,	0
25	11.6,	26.9,	0	26	11.6,	25.6,	0	27	11.6,	23.6,	0	28	11.6,	20.9,	0	29	11.6,	17.5,	0	30	11.6,	13.7,	0
31	11.6,	14.9,	0	32	11.6,	18.6,	0	33	11.6,	21.8,	0	34	11.6,	24.3,	0	35	11.6,	26.1,	0	36	11.6,	27.1,	0

SOURCE ID: GEN03

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	9.9,	82.1,	0	2	9.9,	100.9,	0	3	9.9,	116.6,	0	4	9.9,	128.8,	0	5	9.9,	137.1,	0	6	9.9,	141.2,	0
7	9.9,	141.0,	0	8	9.9,	136.6,	0	9	9.9,	128.0,	0	10	9.9,	115.5,	0	11	9.9,	99.4,	0	12	9.9,	80.4,	0
13	9.9,	59.0,	0	14	9.9,	35.7,	0	15	9.9,	11.3,	0	16	9.9,	13.4,	0	17	9.9,	37.6,	0	18	9.9,	60.8,	0
19	9.9,	82.1,	0	20	9.9,	100.9,	0	21	9.9,	116.6,	0	22	9.9,	128.8,	0	23	9.9,	137.1,	0	24	9.9,	141.2,	0
25	9.9,	141.0,	0	26	9.9,	136.6,	0	27	9.9,	128.0,	0	28	9.9,	115.5,	0	29	9.9,	99.4,	0	30	9.9,	80.4,	0
31	9.9,	59.0,	0	32	9.9,	35.7,	0	33	9.9,	11.3,	0	34	9.9,	13.4,	0	35	9.9,	37.6,	0	36	9.9,	60.8,	0

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1987 Met CO  
\*\*\* Revised building height = 38'

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\*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-1011.0,	-911.0,	-811.0,	-711.0,	-611.0,	-511.0,	-411.0,	-311.0,	-211.0,	-111.0,
-11.0,	89.0,	189.0,	289.0,	389.0,	489.0,	589.0,	689.0,	789.0,	889.0,
989.0,	1089.0,	1189.0,	1289.0,	1389.0,					

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-1506.0,	-1406.0,	-1306.0,	-1206.0,	-1106.0,	-1006.0,	-906.0,	-806.0,	-706.0,	-606.0,
-506.0,	-406.0,	-306.0,	-206.0,	-106.0,	-6.0,	94.0,	194.0,	294.0,	394.0,
494.0,	594.0,	694.0,	794.0,	894.0,					

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1987 Met CO  
\*\*\* Revised building height = 38'

\*\*\*  
\*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
LESS THAN 1.0 METER OR 3\*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	-- RECEPTOR LOCATION --		DISTANCE (METERS)
	XR (METERS)	YR (METERS)	
1407	189.0	-306.0	0.37



\*\*MODELOPTs: CONC                      RURAL FLAT                      DFAULT

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

FILE: 14RAM87.ASC

FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1987

YEAR: 1987

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING RURAL	HEIGHT URBAN (M)	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
87	1	1	1	181.0	4.12	279.8	4	489.8	489.8	0.0000	0.0	0.0000	0	0.00
87	1	1	2	188.0	8.75	279.8	4	507.4	507.4	0.0000	0.0	0.0000	0	0.00
87	1	1	3	184.0	4.12	279.8	4	524.9	524.9	0.0000	0.0	0.0000	0	0.00
87	1	1	4	183.0	4.12	279.3	4	542.5	542.5	0.0000	0.0	0.0000	0	0.00
87	1	1	5	183.0	4.63	279.8	4	560.0	560.0	0.0000	0.0	0.0000	0	0.00
87	1	1	6	182.0	4.63	279.8	4	577.6	577.6	0.0000	0.0	0.0000	0	0.00
87	1	1	7	185.0	5.14	280.4	4	595.1	595.1	0.0000	0.0	0.0000	0	0.00
87	1	1	8	193.0	3.60	280.4	4	612.7	612.7	0.0000	0.0	0.0000	0	0.00
87	1	1	9	187.0	5.14	281.5	4	630.2	630.2	0.0000	0.0	0.0000	0	0.00
87	1	1	10	191.0	4.12	283.2	4	647.8	647.8	0.0000	0.0	0.0000	0	0.00
87	1	1	11	184.0	4.12	283.2	4	665.3	665.3	0.0000	0.0	0.0000	0	0.00
87	1	1	12	176.0	3.09	283.2	4	682.9	682.9	0.0000	0.0	0.0000	0	0.00
87	1	1	13	173.0	3.60	283.2	4	700.4	700.4	0.0000	0.0	0.0000	0	0.00
87	1	1	14	169.0	4.12	283.7	4	718.0	718.0	0.0000	0.0	0.0000	0	0.00
87	1	1	15	162.0	3.60	283.7	4	718.0	718.0	0.0000	0.0	0.0000	0	0.00
87	1	1	16	164.0	3.60	284.3	4	718.0	718.0	0.0000	0.0	0.0000	0	0.00
87	1	1	17	181.0	2.06	284.8	4	718.0	718.0	0.0000	0.0	0.0000	0	0.00
87	1	1	18	177.0	0.00	281.5	5	722.1	722.8	0.0000	0.0	0.0000	0	0.00
87	1	1	19	184.0	0.00	278.7	6	736.5	739.7	0.0000	0.0	0.0000	0	0.00
87	1	1	20	157.0	1.54	276.5	7	751.0	756.5	0.0000	0.0	0.0000	0	0.00
87	1	1	21	160.0	0.00	275.4	7	765.4	773.4	0.0000	0.0	0.0000	0	0.00
87	1	1	22	172.0	1.54	277.0	7	779.9	790.3	0.0000	0.0	0.0000	0	0.00
87	1	1	23	170.0	1.54	275.9	7	794.3	807.1	0.0000	0.0	0.0000	0	0.00
87	1	1	24	180.0	2.06	277.0	6	808.8	824.0	0.0000	0.0	0.0000	0	0.00

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



\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	23.55746 (87081624)	22.96784 (87082507)	28.89532 (87121923)	29.08863 (87102622)	27.05036 (87123024)
794.0	24.73487 (87083103)	25.67422 (87081624)	27.19855 (87082507)	29.76352 (87082922)	30.08714 (87091324)
694.0	19.10281 (87110819)	25.89909 (87083103)	27.99286 (87063024)	30.75902 (87082507)	29.80848 (87082922)
594.0	15.81854 (87031903)	15.20953 (87110819)	28.23600 (87110819)	31.65167 (87063024)	31.75584 (87082507)
494.0	18.70545 (87081306)	16.56944 (87031903)	16.87021 (87082909)	31.32013 (87110819)	35.81319 (87063024)
394.0	29.77064 (87110901)	28.19799 (87110905)	20.01271 (87081306)	20.66489 (87082909)	33.70308 (87110819)
294.0	30.88268 (87072505)	17.76145 (87032601)	34.25276 (87060203)	25.47583 (87081306)	24.32939 (87082909)
194.0	30.70135 (87052801)	31.62578 (87052522)	33.14611 (87072505)	23.62098 (87032601)	35.68324 (87060203)
94.0	30.43446 (87082121)	32.08448 (87073023)	34.86896 (87052801)	39.22926 (87032320)	32.38969 (87072505)
-6.0	28.90014 (87052403)	33.45581 (87012420)	38.78331 (87120824)	40.73397 (87082121)	33.36979 (87073023)
-106.0	33.28513 (87060105)	33.76727 (87120624)	34.27419 (87111523)	32.79305 (87091224)	46.41742 (87110824)
-206.0	30.42012 (87122408)	33.37211 (87122408)	36.98469 (87122408)	41.50359 (87122408)	47.29406 (87122408)
-306.0	31.66361 (87110822)	31.46740 (87110822)	33.39252 (87120901)	36.39778 (87053024)	43.62958 (87082024)
-406.0	24.95321 (87120823)	34.36476 (87120823)	38.78789 (87041324)	39.54072 (87120704)	44.00315 (87052503)
-506.0	30.93474 (87052404)	34.95969 (87052503)	31.37322 (87012501)	42.81475 (87032907)	58.19159 (87032907)
-606.0	30.39651 (87012501)	39.29434 (87032907)	44.60511 (87032907)	33.10796 (87072104)	41.64946 (87052602)
-706.0	35.94008 (87032907)	30.57041 (87072104)	32.06129 (87052602)	35.14390 (87092823)	40.00562 (87072103)
-806.0	24.96893 (87051001)	28.82238 (87052602)	34.25834 (87051701)	32.16744 (87052402)	35.10499 (87052505)
-906.0	28.10016 (87092823)	30.80122 (87051122)	31.52732 (87070204)	33.88079 (87052505)	34.77728 (87082203)
-1006.0	28.57193 (87072103)	30.13125 (87121903)	31.51464 (87052505)	32.40097 (87082203)	34.54915 (87121907)
-1106.0	28.13915 (87070201)	28.80889 (87052505)	30.02439 (87051403)	31.67825 (87121907)	32.55317 (87032305)
-1206.0	26.13733 (87052505)	28.56556 (87051403)	29.05071 (87082107)	29.76547 (87110803)	30.31152 (87122404)
-1306.0	26.98589 (87051403)	27.53454 (87082107)	28.44359 (87051401)	28.94016 (87092701)	29.75688 (87051624)
-1406.0	25.31031 (87051524)	26.56372 (87051905)	27.13572 (87053001)	27.19884 (87042602)	28.68137 (87060701)
-1506.0	25.07571 (87051905)	24.98973 (87053001)	25.73525 (87042602)	26.67625 (87060905)	27.67151 (87072102)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	-511.00	-411.00	-311.00	-211.00	-111.00
894.0	30.35352 (87051423)	31.04124 (87120906)	30.88428 (87062522)	31.85533 (87061622)	31.58237 (87120323)
794.0	30.48385 (87122720)	32.44661 (87123103)	34.01550 (87061624)	33.15429 (87101524)	33.73101 (87010323)
694.0	33.40858 (87123024)	32.53234 (87051423)	36.65115 (87031520)	36.01223 (87120320)	37.62501 (87050122)
594.0	33.22734 (87102622)	37.70869 (87122720)	33.84255 (87031521)	39.55951 (87013002)	39.41581 (87090720)
494.0	33.33556 (87052305)	38.87556 (87091324)	33.43458 (87051423)	41.09583 (87061624)	43.32365 (87061622)
394.0	40.25112 (87063024)	34.04655 (87121923)	39.50517 (87072522)	45.86803 (87061621)	45.43397 (87120320)
294.0	33.86971 (87110819)	44.12512 (87063024)	33.17293 (87122703)	46.82373 (87122008)	56.18799 (87013002)
194.0	28.31038 (87090709)	32.37716 (87122109)	44.65671 (87063024)	50.53757 (87072522)	63.71296 (87120321)
94.0	32.45090 (87032601)	41.33764 (87081306)	45.65207 (87122109)	55.08685 (87122605)	77.51050 (87122008)
-6.0	46.38205 (87052801)	44.99944 (87032320)	56.95184 (87060203)	66.18287 (87112715)	87.06403 (87122111)
-106.0	47.49617 (87052403)	57.27863 (87111524)	58.75741 (87061008)	73.58960 (87021504)	118.99424 (87073015)
-206.0	54.87151 (87122408)	64.84232 (87122408)	77.51458 (87122408)	93.57099 (87102620)	175.29753 (87032301)
-306.0	41.63232 (87082024)	59.67635 (87120823)	65.28801 (87052404)	107.49310 (87032907)	118.30977 (87032011)
-406.0	38.81606 (87032907)	80.86941 (87032907)	67.23339 (87051001)	75.35831 (87052402)	87.75462 (87051518)
-506.0	42.80572 (87051001)	53.59404 (87052924)	59.22787 (87110724)	68.96136 (87092804)	74.20589 (87060624)
-606.0	45.06321 (87051623)	46.15914 (87110724)	55.59917 (87123102)	59.70646 (87092824)	66.09917 (87010605)
-706.0	37.65498 (87042603)	46.76978 (87022002)	50.11546 (87051005)	50.35723 (87071904)	56.25549 (87102303)
-806.0	40.53029 (87022002)	42.09406 (87052803)	45.47145 (87052405)	46.02399 (87100920)	50.12218 (87112019)
-906.0	37.99641 (87053004)	38.91103 (87060704)	40.91032 (87071904)	42.08539 (87042605)	47.07990 (87081311)
-1006.0	36.01854 (87072023)	38.16077 (87121905)	38.03534 (87071901)	39.32124 (87071903)	47.81592 (87081311)
-1106.0	34.06151 (87082204)	35.18754 (87060904)	32.55257 (87010605)	36.81939 (87082105)	43.89941 (87111908)
-1206.0	30.76628 (87121905)	30.39141 (87071901)	34.57788 (87121902)	34.76087 (87102305)	41.84259 (87111908)
-1306.0	30.39635 (87060904)	31.04732 (87092805)	31.60057 (87022001)	32.48627 (87010604)	37.99891 (87111908)
-1406.0	26.46673 (87120907)	26.23013 (87011306)	29.86350 (87092905)	31.44261 (87081311)	33.60165 (87111908)
-1506.0	27.57924 (87082202)	28.69896 (87011306)	29.20041 (87123007)	30.93717 (87081311)	30.40229 (87123006)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)						
	-11.00	89.00	189.00	289.00	389.00		
894.0	32.11295 (87100201)	31.91879 (87041723)	32.98081 (87100620)	28.87187 (87070502)	32.25338 (87121020)		
794.0	32.27502 (87121919)	32.76382 (87041723)	32.25711 (87080824)	31.76496 (87070502)	23.69125 (87121020)		
694.0	33.98199 (87121919)	32.92185 (87041723)	36.47455 (87042121)	33.65736 (87121920)	16.33734 (87120402)		
594.0	33.72065 (87121919)	31.95540 (87041723)	37.43403 (87042121)	39.26616 (87121020)	22.09685 (87102618)		
494.0	33.99880 (87043022)	29.42823 (87080410)	29.12185 (87041506)	29.02197 (87121020)	38.39906 (87071224)		
394.0	43.65890 (87062603)	39.86891 (87120324)	32.98871 (87072615)	25.22745 (87061708)	27.97909 (87092219)		
294.0	57.06512 (87062603)	55.43615 (87120324)	47.99201 (87041120)	47.06460 (87071224)	34.10904 (87091818)		
194.0	51.46554 (87030908)	67.82528 (87120324)	40.27193 (87013006)	45.34630 (87030905)	40.43610 (87060420)		
94.0	71.41427 (87061417)	70.08689 (87122815)	66.44904 (87100219)	53.66918 (87060420)	49.25550 (87072623)		
-6.0	109.83835 (87042119)	109.13043 (87030820)	86.21161 (87090814)	64.51709 (87082809)	48.90604 (87040920)		
-106.0	303.20599 (87072522)	176.15981 (87013006)	117.15307 (87011010)	62.38914 (87090918)	50.21676 (87113009)		
-206.0	819.91974 (87102620)	1001.87579 (87040822)	107.38980 (87011909)	83.21889 (87121016)	63.20190 (87121016)		
-306.0	271.28122 (87092824)	362.84399 (87042123)	122.12061 (87111010)	80.29674 (87081019)	57.45844 (87070416)		
-406.0	108.24854 (87102609)	113.72228 (87011119)	93.27795 (87042319)	69.71057 (87112901)	52.42779 (87012817)		
-506.0	102.73810 (87111908)	72.99649 (87013103)	66.83060 (87073112)	57.40014 (87041019)	48.35886 (87080709)		
-606.0	96.87621 (87111908)	67.50633 (87040921)	64.44406 (87040904)	58.49767 (87012304)	47.19635 (87020223)		
-706.0	71.96892 (87032007)	57.97149 (87012622)	55.75082 (87013107)	49.10653 (87012222)	33.91520 (87113019)		
-806.0	67.46095 (87032007)	51.04159 (87012622)	51.32141 (87121707)	48.04082 (87040824)	44.45518 (87040924)		
-906.0	60.09234 (87032007)	46.28610 (87112106)	45.72031 (87012305)	43.80391 (87040904)	39.47180 (87012222)		
-1006.0	52.69860 (87032007)	41.40694 (87100823)	40.93283 (87042903)	39.46773 (87040902)	35.45534 (87121520)		
-1106.0	46.14208 (87032007)	38.13758 (87120501)	38.55136 (87011123)	35.02393 (87011122)	36.02374 (87120405)		
-1206.0	40.56983 (87032007)	36.14967 (87120501)	35.86926 (87112022)	35.02321 (87123003)	33.79625 (87050823)		
-1306.0	35.89846 (87032007)	33.83432 (87120501)	33.56504 (87120502)	33.23305 (87120505)	32.34551 (87040902)		
-1406.0	31.98865 (87032007)	31.45456 (87120501)	30.65096 (87120502)	31.27183 (87010207)	30.77734 (87040504)		
-1506.0	29.22882 (87072504)	29.84943 (87112119)	30.31449 (87112107)	29.64020 (87121722)	29.12488 (87011223)		

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	15.48125 (87102618)	31.07568 (87011320)	18.16926 (87051921)	18.11783 (87051921)	21.96659 (87120404)
794.0	26.03354 (87071224)	31.62123 (87021223)	29.59994 (87051921)	29.66558 (87120404)	15.62524 (87092220)
694.0	33.63531 (87011320)	27.06933 (87051921)	31.37876 (87120404)	16.94450 (87092220)	17.00142 (87043021)
594.0	32.09040 (87021223)	20.69058 (87120404)	17.22781 (87092220)	15.44723 (87043021)	31.63931 (87040922)
494.0	33.67202 (87051921)	28.66533 (87120404)	18.16295 (87061719)	34.15389 (87040922)	32.37797 (87031420)
394.0	42.99581 (87120404)	22.90679 (87061719)	36.30314 (87040922)	31.21200 (87042323)	22.91594 (87090721)
294.0	29.37072 (87061719)	37.28401 (87040922)	40.63582 (87042323)	33.43041 (87090721)	22.32644 (87040920)
194.0	37.06195 (87072623)	35.87399 (87042323)	24.93291 (87072520)	38.18236 (87040920)	28.43929 (87020821)
94.0	38.06459 (87072520)	49.92664 (87040920)	29.63245 (87020821)	33.48722 (87062422)	20.17815 (87033003)
-6.0	38.88023 (87041107)	28.27150 (87033003)	17.93619 (87033003)	35.04198 (87113020)	32.44358 (87071323)
-106.0	48.09209 (87032022)	46.91863 (87042122)	39.65201 (87042122)	24.10725 (87022218)	18.28786 (87022218)
-206.0	48.42304 (87121016)	44.48786 (87040822)	41.38296 (87040822)	38.32151 (87040822)	35.52362 (87040822)
-306.0	54.00032 (87041520)	30.74284 (87093003)	30.87967 (87040620)	34.16795 (87040620)	36.92747 (87040923)
-406.0	57.29522 (87041922)	49.09718 (87012221)	33.12352 (87102619)	43.00593 (87040501)	37.52785 (87052802)
-506.0	39.44525 (87081402)	39.64508 (87081021)	43.82235 (87041921)	30.71568 (87012722)	38.84028 (87012221)
-606.0	37.70144 (87021620)	34.18883 (87012523)	35.79493 (87010219)	38.59832 (87081021)	36.32576 (87041921)
-706.0	45.67480 (87020223)	37.85783 (87021620)	36.73216 (87020822)	34.13622 (87041002)	34.21167 (87040505)
-806.0	33.55006 (87081623)	37.43012 (87020223)	35.56709 (87021620)	35.84570 (87020822)	31.89425 (87011220)
-906.0	40.66254 (87012521)	34.27701 (87040503)	34.94783 (87042321)	32.56696 (87021620)	33.68460 (87041001)
-1006.0	37.19713 (87081023)	33.79079 (87113019)	32.35474 (87040503)	33.11724 (87042321)	29.54755 (87021620)
-1106.0	33.11403 (87102506)	34.68338 (87031001)	31.79299 (87011021)	29.66992 (87021220)	30.86364 (87030923)
-1206.0	33.16448 (87121022)	32.15830 (87040402)	30.89578 (87011222)	29.40570 (87081623)	29.78753 (87021220)
-1306.0	31.85936 (87011206)	30.72013 (87102506)	30.29647 (87012522)	29.72711 (87113019)	28.62535 (87103019)
-1406.0	30.50699 (87113023)	29.99537 (87122919)	29.72746 (87040402)	28.12527 (87013024)	28.06745 (87011021)
-1506.0	28.86005 (87040421)	28.39388 (87011206)	28.04828 (87102506)	27.03537 (87012522)	27.24665 (87011222)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00	1389.00
894.0	13.95640 (87092220)	18.22441 (87043021)	26.20909 (87080723)	25.15000 (87040721)	23.82029 (87031420)
794.0	17.86584 (87043021)	27.76879 (87080723)	25.47346 (87040721)	22.56472 (87031420)	18.80742 (87042323)
694.0	29.24961 (87080723)	27.78595 (87072623)	26.08893 (87042323)	14.97717 (87090721)	25.99474 (87090721)
594.0	29.88626 (87031420)	28.42476 (87042323)	23.93436 (87090721)	23.06555 (87090721)	13.34251 (87040920)
494.0	25.58295 (87042323)	30.10451 (87090721)	13.26529 (87071321)	23.57658 (87040920)	24.31709 (87020821)
394.0	24.41321 (87090721)	24.89779 (87040920)	27.00123 (87020821)	23.34109 (87020821)	27.44724 (87062423)
294.0	29.43470 (87020821)	25.96902 (87020821)	29.77299 (87062423)	29.02048 (87062422)	20.37553 (87062422)
194.0	29.10242 (87062423)	28.09706 (87062422)	14.66257 (87033003)	10.69586 (87033003)	19.68547 (87113020)
94.0	13.73255 (87033003)	27.53549 (87113020)	31.40825 (87113020)	28.04824 (87071323)	28.07620 (87071323)
-6.0	36.93019 (87032022)	30.51710 (87042122)	31.99503 (87042122)	27.40329 (87042122)	20.70406 (87042122)
-106.0	14.63507 (87013008)	14.45217 (87123001)	18.53076 (87123001)	21.67590 (87123001)	23.80734 (87123001)
-206.0	32.97937 (87040822)	30.67320 (87040822)	28.58630 (87040822)	27.02764 (87040502)	25.89615 (87040502)
-306.0	37.23079 (87040923)	33.55835 (87040923)	28.41770 (87040923)	23.25657 (87040923)	23.94603 (87040324)
-406.0	21.88597 (87052802)	16.03213 (87093003)	18.84599 (87040620)	25.28227 (87040620)	28.31751 (87040620)
-506.0	30.85660 (87102619)	29.15062 (87040501)	31.85700 (87040501)	29.92846 (87113022)	22.52414 (87113022)
-606.0	30.01049 (87041922)	32.86660 (87012722)	29.78383 (87012221)	26.65023 (87102619)	28.07178 (87102619)
-706.0	33.96619 (87081021)	30.14676 (87041921)	27.66393 (87041922)	26.38894 (87012722)	27.84894 (87012722)
-806.0	31.27724 (87010219)	27.86424 (87040505)	30.09658 (87030924)	25.32097 (87041921)	23.80528 (87041921)
-906.0	31.39401 (87012523)	30.59630 (87041002)	29.34745 (87010219)	27.44411 (87060821)	27.04090 (87030924)
-1006.0	29.90890 (87041001)	29.78278 (87031503)	29.15732 (87011220)	25.56105 (87010219)	27.33209 (87040505)
-1106.0	26.75505 (87021620)	25.57269 (87072324)	28.23673 (87031503)	23.87541 (87012523)	26.41355 (87041002)
-1206.0	29.08962 (87030923)	24.26233 (87021620)	25.34495 (87071223)	23.89529 (87031503)	25.70430 (87012523)
-1306.0	27.60423 (87121721)	27.11318 (87030923)	22.08402 (87021620)	25.11715 (87071223)	23.71706 (87072324)
-1406.0	27.76497 (87040503)	27.01619 (87121721)	25.14798 (87111120)	20.39305 (87100520)	24.14209 (87071223)
-1506.0	26.03821 (87081623)	24.80818 (87040503)	25.34948 (87121721)	24.03326 (87111120)	19.23659 (87100520)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	-1011.00	-911.00	-811.00	-711.00	-611.00
894.0	22.20773 (87110904)	22.92674 (87081905)	25.46955 (87052305)	27.23477 (87070501)	25.93105 (87041222)
794.0	22.27996 (87110819)	24.85119 (87063024)	27.14272 (87081905)	28.61310 (87121923)	29.74420 (87070501)
694.0	13.21806 (87121424)	25.13297 (87110819)	27.93387 (87081624)	30.68555 (87081905)	25.11067 (87102622)
594.0	13.48198 (87082909)	14.74873 (87121424)	26.66531 (87083103)	30.22811 (87081624)	31.66609 (87081905)
494.0	17.70353 (87082508)	16.38374 (87122405)	15.85884 (87121424)	26.63837 (87083103)	32.31041 (87081624)
394.0	29.65258 (87042303)	20.15675 (87081306)	19.45161 (87122405)	18.98977 (87031903)	25.18107 (87083103)
294.0	30.85633 (87082106)	16.81142 (87031824)	33.13374 (87110901)	21.03185 (87032523)	23.21454 (87031903)
194.0	29.69432 (87080304)	31.46974 (87032320)	33.10874 (87082106)	22.45885 (87032505)	34.61476 (87110905)
94.0	26.06785 (87073023)	31.41827 (87111522)	33.16576 (87091223)	30.16554 (87052801)	32.33836 (87082106)
-6.0	25.94002 (87012420)	29.68971 (87052403)	35.60704 (87111524)	28.46275 (87120824)	29.38285 (87122601)
-106.0	31.51989 (87051402)	32.58558 (87111523)	33.01725 (87091224)	31.99331 (87110824)	46.18362 (87090922)
-206.0	29.72752 (87051702)	32.68933 (87102620)	36.29302 (87102620)	40.65540 (87102620)	46.04487 (87102620)
-306.0	22.65369 (87120901)	28.60637 (87120901)	32.44164 (87053024)	33.55150 (87120901)	31.49324 (87053024)
-406.0	23.28098 (87082024)	29.25186 (87041324)	33.90815 (87120704)	33.40440 (87052404)	42.53820 (87052404)
-506.0	30.91771 (87092801)	30.58881 (87053102)	27.85334 (87053102)	28.41368 (87010324)	41.10962 (87051002)
-606.0	26.57298 (87032907)	29.58270 (87010324)	36.84252 (87051002)	32.49358 (87032907)	36.41323 (87051004)
-706.0	31.52284 (87051002)	27.30447 (87032907)	26.84320 (87051001)	34.03523 (87052924)	34.71201 (87112522)
-806.0	22.74493 (87072104)	27.70771 (87051004)	32.49278 (87051623)	30.20420 (87070204)	35.04438 (87060104)
-906.0	24.06525 (87052924)	29.09518 (87112522)	29.74256 (87121903)	33.83177 (87060104)	34.75736 (87060101)
-1006.0	25.55288 (87051122)	29.74773 (87070201)	31.47573 (87060104)	32.38528 (87060101)	34.35028 (87120703)
-1106.0	27.49203 (87121903)	28.77806 (87060104)	29.97985 (87051424)	31.52150 (87120703)	32.36386 (87051603)
-1206.0	26.11280 (87060104)	28.52888 (87051424)	28.99132 (87082124)	29.47079 (87082123)	30.21529 (87110719)
-1306.0	26.95552 (87051424)	27.48553 (87082124)	28.40760 (87052804)	28.09584 (87072023)	29.65483 (87070202)
-1406.0	25.19083 (87062222)	24.92783 (87051401)	27.07115 (87090220)	26.91268 (87060803)	25.73635 (87060702)
-1506.0	22.99713 (87053004)	24.96651 (87082123)	25.49608 (87060803)	26.60176 (87090606)	26.41566 (87060904)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	-511.00	-411.00	-311.00	-211.00	-111.00
894.0	27.11576 (87041221)	30.33381 (87080821)	29.75567 (87013002)	31.71404 (87010805)	31.09236 (87010323)
794.0	29.81895 (87041222)	29.68875 (87031521)	34.00074 (87091222)	33.00073 (87040220)	33.21004 (87040523)
694.0	29.78339 (87072522)	30.07057 (87041221)	35.16955 (87120321)	33.49354 (87121119)	34.69505 (87090720)
594.0	28.20433 (87070501)	33.80489 (87041222)	33.06301 (87042221)	39.43055 (87041220)	33.03648 (87092904)
494.0	31.78638 (87121923)	32.82509 (87091822)	33.41938 (87122008)	41.06874 (87091222)	39.32154 (87101524)
394.0	33.65723 (87081624)	32.45022 (87082922)	38.10835 (87122720)	44.69567 (87021420)	41.07682 (87101524)
294.0	24.98050 (87031902)	33.10365 (87081624)	32.81286 (87122610)	42.26652 (87122719)	55.88891 (87041220)
194.0	28.11498 (87122509)	31.94390 (87031902)	38.85895 (87122102)	50.26211 (87091324)	58.73930 (87021420)
94.0	31.68834 (87060203)	36.93217 (87102710)	42.57127 (87112715)	53.78434 (87122102)	74.05209 (87122719)
-6.0	34.05433 (87050408)	43.34167 (87041408)	53.56960 (87062210)	65.65746 (87122609)	86.46010 (87010920)
-106.0	45.58732 (87110824)	50.61377 (87052403)	57.83499 (87031901)	73.54179 (87112706)	114.44195 (87122608)
-206.0	52.89091 (87102620)	61.91076 (87102620)	74.35933 (87102620)	91.65762 (87122408)	156.40207 (87102620)
-306.0	33.72087 (87120823)	47.73353 (87041324)	65.17583 (87092801)	78.57298 (87011803)	117.60534 (87031709)
-406.0	33.19385 (87012501)	57.50434 (87010324)	53.03997 (87082318)	64.70142 (87123109)	87.21894 (87112705)
-506.0	39.86940 (87032907)	48.03152 (87051004)	58.75305 (87060801)	62.14146 (87123102)	70.46517 (87110707)
-606.0	44.30254 (87112522)	45.87687 (87060801)	54.48552 (87052823)	58.47746 (87071801)	57.95946 (87101423)
-706.0	33.62032 (87052505)	44.51625 (87092901)	50.06004 (87051003)	50.24737 (87102224)	55.68264 (87071903)
-806.0	37.76502 (87092901)	42.00368 (87072002)	43.75358 (87072022)	45.47068 (87071805)	50.03726 (87102405)
-906.0	37.95113 (87060703)	38.62115 (87122404)	40.70898 (87060904)	42.05954 (87121902)	45.20095 (87102306)
-1006.0	34.68517 (87071902)	33.92953 (87052902)	35.01829 (87071805)	37.15486 (87102303)	42.22364 (87111908)
-1106.0	29.87695 (87072022)	35.15119 (87092903)	31.11492 (87092805)	34.80003 (87123007)	42.68116 (87081311)
-1206.0	30.74911 (87060701)	29.97356 (87123106)	33.37625 (87011306)	34.47179 (87102505)	35.74243 (87121607)
-1306.0	30.37182 (87092903)	30.48357 (87082202)	30.89866 (87070104)	31.87584 (87011308)	32.89243 (87010523)
-1406.0	25.64389 (87052904)	25.52741 (87052903)	28.65951 (87123007)	30.57814 (87040602)	31.24975 (87120604)
-1506.0	27.31982 (87123106)	27.99729 (87052903)	28.17357 (87070724)	29.20219 (87100824)	29.85771 (87110807)

\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	31.69487 (87042722)	31.53135 (87071122)	31.59869 (87053124)	17.60891 (87080508)	27.49248 (87041120)
794.0	32.08656 (87100201)	32.31343 (87071122)	32.11303 (87100620)	23.26786 (87121920)	17.10483 (87120402)
694.0	33.69873 (87050222)	32.40365 (87071122)	30.92182 (87080824)	31.08943 (87041120)	14.55068 (87102618)
594.0	33.39534 (87050222)	31.37190 (87071122)	34.09171 (87041506)	38.47149 (87041120)	21.90484 (87071224)
494.0	30.39329 (87041320)	29.26526 (87041723)	25.11064 (87042121)	23.81557 (87120402)	35.02026 (87011320)
394.0	41.28666 (87120322)	34.71299 (87080410)	32.60939 (87070502)	23.46218 (87102618)	27.87946 (87030905)
294.0	51.08340 (87120322)	39.77613 (87080410)	38.91630 (87061218)	37.59483 (87100219)	32.91161 (87033001)
194.0	51.01014 (87072919)	50.80750 (87122815)	34.99181 (87060119)	40.68416 (87092219)	36.99584 (87061719)
94.0	70.72491 (87112317)	58.72723 (87030820)	65.10944 (87030907)	40.96865 (87070320)	48.46567 (87082809)
-6.0	103.63551 (87030824)	102.47803 (87051317)	85.62653 (87091818)	64.05560 (87061416)	45.95836 (87122101)
-106.0	194.10085 (87060319)	173.13759 (87061708)	105.82506 (87020317)	42.66051 (87082810)	50.03638 (87041609)
-206.0	747.55750 (87032301)	647.06812 (87042806)	99.69238 (87041009)	54.39180 (87011909)	50.32658 (87040822)
-306.0	231.69078 (87110703)	336.88010 (87120407)	118.93272 (87113017)	79.20308 (87043018)	56.55223 (87020817)
-406.0	106.95981 (87022424)	112.64845 (87071219)	84.99414 (87061317)	69.61783 (87080709)	39.22148 (87121117)
-506.0	83.86428 (87102121)	72.72149 (87121522)	65.85423 (87081215)	54.29753 (87072908)	44.74938 (87112901)
-606.0	69.06166 (87101422)	67.05603 (87121522)	64.06201 (87041522)	57.71626 (87012520)	40.10332 (87041108)
-706.0	71.22587 (87111908)	57.74124 (87030406)	54.80746 (87040903)	38.15273 (87121022)	33.11119 (87061317)
-806.0	51.75488 (87011121)	50.87253 (87030406)	51.14716 (87040406)	47.85458 (87111020)	43.12872 (87012304)
-906.0	45.60188 (87100102)	46.17607 (87102206)	44.53914 (87011304)	43.65499 (87041522)	34.28079 (87102506)
-1006.0	41.05377 (87120503)	41.34168 (87112024)	40.46524 (87042324)	39.24485 (87041022)	35.33384 (87120406)
-1106.0	39.02217 (87120503)	37.97647 (87112101)	38.49525 (87012306)	34.97540 (87031301)	35.13750 (87121021)
-1206.0	35.34465 (87120503)	36.01424 (87112101)	35.76291 (87112004)	34.47928 (87041624)	32.84933 (87040403)
-1306.0	33.26859 (87010819)	33.72089 (87112101)	33.54434 (87040401)	32.81318 (87040803)	32.22052 (87041022)
-1406.0	31.30994 (87010819)	31.38457 (87112119)	30.63388 (87040401)	31.21493 (87040506)	30.12487 (87040521)
-1506.0	29.14931 (87071406)	29.82293 (87040322)	29.92512 (87040520)	29.49519 (87010123)	29.03300 (87111401)



\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	10.43576 (87061708)	26.96275 (87042124)	16.94057 (87042920)	15.15661 (87120404)	12.38644 (87030804)
794.0	17.97278 (87102618)	25.22300 (87042124)	16.23466 (87042920)	14.96288 (87030804)	11.66773 (87060420)
694.0	31.45114 (87071224)	20.09840 (87042920)	17.43194 (87033001)	13.49289 (87060420)	12.33220 (87061719)
594.0	23.00152 (87042124)	20.30851 (87051921)	15.43875 (87030804)	14.83661 (87061719)	30.49049 (87080723)
494.0	24.13548 (87092219)	21.18588 (87030804)	15.23831 (87060420)	31.21036 (87080723)	31.78143 (87042322)
394.0	27.68665 (87030804)	20.45632 (87060420)	30.93018 (87080723)	30.59560 (87031420)	19.79146 (87040919)
294.0	28.50474 (87060420)	30.89544 (87040721)	23.35073 (87040622)	22.94356 (87072520)	17.08865 (87071321)
194.0	35.35669 (87040922)	25.38044 (87072520)	23.30841 (87071321)	30.41357 (87020821)	24.31409 (87062423)
94.0	33.09323 (87020317)	31.55052 (87122101)	29.12100 (87041107)	21.60656 (87062423)	16.83890 (87062422)
-6.0	31.77313 (87122101)	23.25229 (87062422)	17.92853 (87041609)	21.98042 (87081820)	30.29318 (87032022)
-106.0	44.11470 (87020316)	38.71019 (87032022)	30.70586 (87022218)	22.29480 (87042122)	17.13728 (87091121)
-206.0	47.48473 (87040822)	37.97393 (87121016)	31.05939 (87040502)	31.35965 (87040502)	30.93063 (87040502)
-306.0	44.17576 (87052802)	20.14410 (87091217)	30.09952 (87050621)	33.75044 (87012220)	35.20899 (87012220)
-406.0	49.52290 (87041921)	33.11090 (87012722)	25.02400 (87020817)	35.69239 (87052802)	34.72761 (87041520)
-506.0	39.10591 (87020819)	32.67992 (87060821)	38.40319 (87041922)	26.12130 (87041922)	28.06129 (87012722)
-606.0	33.00619 (87080709)	28.17630 (87031503)	31.12716 (87040505)	33.83624 (87030924)	27.18244 (87041922)
-706.0	35.73523 (87121721)	30.36176 (87071223)	35.62819 (87031503)	33.45436 (87061224)	32.63536 (87091621)
-806.0	33.32384 (87080923)	34.83193 (87042321)	27.40825 (87071223)	33.45053 (87041001)	25.51942 (87012523)
-906.0	35.38601 (87031001)	32.84438 (87103019)	33.13873 (87041003)	26.05216 (87100520)	31.75662 (87072324)
-1006.0	34.69734 (87021221)	30.62374 (87011222)	25.10326 (87021220)	32.06264 (87030923)	25.28768 (87100520)
-1106.0	32.10079 (87012222)	34.46501 (87041021)	31.55947 (87042805)	25.08192 (87040503)	30.55494 (87042321)
-1206.0	32.27543 (87122919)	31.66406 (87113003)	30.41606 (87012521)	29.30473 (87080923)	26.32703 (87121721)
-1306.0	31.54910 (87121720)	27.38684 (87020221)	27.63715 (87020920)	27.15900 (87011222)	28.23223 (87071123)
-1406.0	30.38090 (87103022)	29.97372 (87011221)	29.36466 (87113003)	27.69095 (87020920)	27.92528 (87042805)
-1506.0	28.72978 (87112921)	28.17202 (87121720)	25.42654 (87020221)	26.13767 (87050422)	24.79019 (87013024)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00	1389.00
894.0	10.02502 (87060420)	9.76479 (87080723)	24.57034 (87040922)	22.17357 (87072623)	23.58355 (87042322)
794.0	10.41399 (87061719)	26.74392 (87040922)	25.14674 (87072623)	22.31183 (87042322)	14.26778 (87112218)
694.0	29.11869 (87040922)	25.74540 (87031420)	19.15060 (87031420)	14.59308 (87112218)	13.71241 (87040919)
594.0	29.41601 (87042322)	17.07334 (87112218)	16.57696 (87040919)	12.06074 (87040919)	10.49033 (87071321)
494.0	18.88895 (87112218)	16.91696 (87040919)	13.10922 (87090721)	11.27260 (87020821)	17.54576 (87040920)
394.0	16.41846 (87072520)	11.95631 (87071321)	22.17128 (87040920)	17.51797 (87062423)	14.17502 (87062422)
294.0	28.77129 (87040920)	20.65565 (87062423)	19.89198 (87062422)	16.66464 (87062423)	12.28270 (87033003)
194.0	27.44001 (87062422)	15.19216 (87033003)	11.88676 (87062422)	10.31360 (87081820)	13.91392 (87081820)
94.0	13.24995 (87081820)	18.21616 (87081820)	19.91259 (87071323)	23.52299 (87113020)	27.07769 (87072502)
-6.0	32.99768 (87072502)	29.51569 (87032022)	18.54675 (87032022)	12.28353 (87022218)	10.97035 (87022218)
-106.0	13.86591 (87022218)	14.03948 (87040823)	18.05910 (87040823)	21.18002 (87040823)	23.31427 (87040823)
-206.0	30.17337 (87040502)	29.21622 (87040502)	28.14768 (87040502)	26.86263 (87113021)	25.75314 (87113021)
-306.0	30.87149 (87012220)	24.71450 (87012220)	19.06675 (87061020)	21.85813 (87040324)	23.63427 (87041603)
-406.0	20.35201 (87113022)	10.73421 (87040620)	18.62383 (87050621)	25.01446 (87050621)	28.04620 (87050621)
-506.0	18.85383 (87091520)	28.83949 (87102619)	29.41086 (87113022)	29.09781 (87052802)	21.43199 (87052802)
-606.0	21.56018 (87041921)	28.92884 (87012221)	21.85167 (87012722)	16.30847 (87091520)	19.25292 (87040501)
-706.0	32.82845 (87030924)	20.30454 (87041922)	24.10747 (87041921)	16.88430 (87012221)	26.52533 (87012221)
-806.0	24.61225 (87041002)	26.87479 (87091621)	29.20927 (87081021)	15.80936 (87041922)	23.74441 (87041922)
-906.0	25.73760 (87031503)	30.20238 (87061224)	28.71771 (87040505)	27.26520 (87071322)	25.09980 (87081021)
-1006.0	29.52421 (87072324)	28.54098 (87012523)	24.47214 (87041002)	23.28922 (87041002)	26.64247 (87091621)
-1106.0	24.17019 (87100520)	24.98144 (87041001)	22.68978 (87020822)	23.83032 (87011220)	26.17078 (87061224)
-1206.0	27.85118 (87042321)	22.91208 (87100520)	25.30365 (87080922)	22.35183 (87072324)	20.95471 (87031503)
-1306.0	27.35491 (87021220)	26.09252 (87111120)	21.62845 (87100520)	25.08094 (87080922)	21.75479 (87041001)
-1406.0	23.66135 (87103019)	24.71296 (87020223)	25.13111 (87030923)	20.20961 (87021620)	24.11100 (87080922)
-1506.0	25.97509 (87080923)	19.40900 (87021220)	22.87237 (87041003)	23.21729 (87030923)	18.57755 (87021620)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	3.92624c(87081624)	4.52375 (87121424)	5.09049c(87121924)	4.84810c(87102624)	8.90992 (87122724)
794.0	4.12289c(87083108)	4.27904c(87081624)	5.20500 (87121424)	5.22636c(87121924)	5.92462c(87050324)
694.0	3.18380c(87110824)	4.31691c(87083108)	4.65564c(87081624)	6.02601 (87121424)	4.78957 (87121424)
594.0	4.27252c(87122708)	3.50031c(87031908)	4.70600c(87110824)	5.03802c(87081624)	6.99941 (87121424)
494.0	5.32873c(87122708)	5.60362c(87122708)	4.22614c(87031908)	5.22002c(87110824)	5.61183 (87121424)
394.0	8.73005c(87110908)	7.84495c(87110908)	7.14256c(87122708)	5.42776c(87122708)	5.61718c(87110824)
294.0	5.14272c(87082108)	4.83077c(87122024)	10.55977c(87110908)	8.44577c(87122708)	8.30732c(87122708)
194.0	4.94905c(87080308)	4.51797c(87052524)	5.51812c(87082108)	6.67138c(87122024)	10.61247c(87110908)
94.0	4.47374c(87111524)	5.66409c(87111524)	5.52763c(87091224)	5.69609 (87032324)	7.34419 (87011808)
-6.0	5.38904 (87012424)	5.87622 (87012424)	6.46398c(87120824)	6.44504 (87031808)	6.17581 (87031808)
-106.0	5.85631c(87051408)	6.11620 (87032408)	7.25662 (87032408)	9.80224c(87110824)	12.57951c(87110824)
-206.0	6.91680c(87122408)	7.58370c(87122408)	8.38248c(87122408)	9.38527c(87102624)	10.90841c(87102624)
-306.0	5.39615c(87110824)	5.34651c(87110824)	5.40694c(87053024)	6.06630c(87053024)	7.27160c(87082024)
-406.0	4.47489c(87120824)	5.95934c(87120824)	6.46465c(87041324)	5.42059c(87052408)	8.16815c(87052508)
-506.0	5.06760c(87052508)	6.16933c(87052508)	4.77488 (87012508)	7.13579c(87032908)	9.69860c(87032908)
-606.0	4.42883c(87032908)	6.54906c(87032908)	7.43418c(87032908)	6.50887 (87121324)	7.43474 (87051008)
-706.0	5.99001c(87032908)	5.56713 (87121324)	5.95467 (87051008)	9.52255c(87052924)	6.64707 (87112524)
-806.0	4.70502 (87051008)	5.25534c(87052924)	8.14766c(87052924)	9.26374c(87070208)	10.25657c(87110724)
-906.0	6.85653c(87052924)	5.56225c(87051124)	10.69234c(87070208)	8.66026c(87110724)	11.54634c(87072024)
-1006.0	4.61462c(87051124)	10.41974c(87070208)	7.41660c(87110724)	10.59362c(87072024)	9.81669 (87092808)
-1106.0	9.30642c(87070208)	6.44082c(87110724)	9.70048c(87072024)	8.59446 (87092808)	10.72627 (87051008)
-1206.0	5.66683c(87110724)	8.88766c(87072024)	7.58036 (87092808)	8.18748 (87051008)	7.87354c(87082208)
-1306.0	8.15901c(87072024)	6.69016 (87092808)	7.49731 (87092808)	7.29034 (87051008)	7.91639c(87082208)
-1406.0	5.89965 (87092808)	6.76517 (87092808)	7.98150 (87051008)	8.25191c(87082208)	9.65001c(87110708)
-1506.0	6.06078 (87092808)	7.21841 (87051008)	6.40983c(87082208)	7.64625c(87110708)	7.52453 (87072108)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	7.34588c(87041224)	10.67219c(87031524)	6.54120c(87041224)	9.06176c(87042724)	8.08726c(87062608)
794.0	11.62043(87122724)	9.85592c(87031524)	7.96775c(87080524)	8.74695c(87042724)	8.99320c(87050124)
694.0	8.45648(87122724)	8.53837c(87041224)	10.66715c(87031524)	8.49834c(87121124)	11.54140c(87050124)
594.0	5.91697c(87050324)	14.32771(87122724)	12.34503c(87031524)	8.98586c(87041224)	12.02499c(87050124)
494.0	8.08418(87121424)	8.40507c(87050324)	11.51191(87122724)	12.01120(87021424)	12.05670(87081416)
394.0	7.12131c(87122108)	9.08138(87121424)	16.00037(87122724)	15.29991c(87031524)	12.97589c(87122624)
294.0	5.64495c(87110824)	9.47481c(87122108)	10.15843(87122616)	17.53299(87122724)	13.91816c(87041224)
194.0	12.60929c(87122708)	7.29804c(87031908)	13.02117c(87122108)	16.33019(87122616)	25.84238c(87011608)
94.0	9.69240c(87122024)	16.66680c(87122708)	10.92091c(87122708)	18.29787(87121424)	30.56618(87122724)
-6.0	6.90350c(87021508)	11.27362(87011808)	13.60133c(87122024)	24.91156c(87122708)	29.51941(87121424)
-106.0	12.54168c(87110824)	12.98564(87031808)	16.18730(87031808)	18.50122c(87021508)	38.14234c(87122708)
-206.0	12.94950c(87102624)	15.82345c(87102624)	20.14671c(87102624)	27.47784c(87102624)	47.16967c(87102624)
-306.0	6.93872c(87082024)	10.56241c(87120824)	11.68949(87111616)	23.09430(87022716)	26.68313(87031716)
-406.0	7.78380(87022716)	13.47823c(87032908)	12.37416(87051008)	19.06787(87022708)	32.61814(87081524)
-506.0	8.05473(87051008)	14.39476c(87052924)	14.95906c(87110724)	20.17847(87112708)	33.11946c(87110708)
-606.0	10.77120c(87052924)	14.46332c(87110724)	15.14376(87120708)	23.98226(87022708)	24.62727(87020616)
-706.0	12.27033c(87110724)	13.37749c(87072024)	18.38556(87051008)	19.03858c(87110708)	17.40561(87020616)
-806.0	12.52469c(87072024)	12.70419(87051008)	13.94832c(87110708)	12.86794(87071908)	19.37321(87101424)
-906.0	11.33053(87092808)	10.88292(87022708)	12.64311c(87110708)	12.21523c(87042608)	19.62851(87101424)
-1006.0	11.02022(87051008)	14.04364c(87110708)	10.50656(87071908)	10.24808(87110208)	19.07571(87101508)
-1106.0	10.08527c(87082208)	10.11712(87072108)	8.23615(87110208)	8.95491(87102308)	15.16943(87101524)
-1206.0	11.87575c(87110708)	8.53970(87071908)	8.40474c(87042608)	12.91342(87101424)	14.56240c(87111908)
-1306.0	8.67821(87072108)	6.67870(87071908)	7.19461(87110208)	13.05430c(87102508)	13.68856c(87111908)
-1406.0	7.01367(87071908)	6.62048c(87042608)	6.15576(87102308)	13.47573(87101508)	12.53897c(87111908)
-1506.0	6.13940(87071908)	6.14613c(87042608)	7.34373(87101424)	12.90449(87101508)	11.29591c(87111908)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	5.66193c(87042724)	5.31980c(87041724)	5.85555c(87100624)	4.81198c(87070508)	5.37566c(87121024)
794.0	5.90195 (87122808)	5.46064c(87041724)	5.77987c(87100624)	5.29416c(87070508)	3.94859c(87121024)
694.0	6.99484 (87122808)	5.48697c(87041724)	5.37260 (87080824)	6.13178c(87041124)	2.42511c(87102624)
594.0	8.44986 (87122808)	5.81830c(87080416)	4.90121 (87080824)	7.08652c(87041124)	3.68281c(87102624)
494.0	10.27916 (87122808)	6.85596c(87080416)	3.83472 (87080824)	4.83852c(87121024)	5.83671c(87011324)
394.0	13.55989c(87062608)	8.28180 (87120324)	5.43490c(87070508)	4.20469c(87061708)	7.80423 (87030908)
294.0	17.09171c(87062608)	10.45463 (87120324)	10.07130c(87041124)	8.05154 (87030908)	6.98366 (87030908)
194.0	17.98415 (87081416)	11.80908 (87120324)	5.83717c(87060124)	12.87398 (87030908)	6.73935c(87060424)
94.0	28.98979c(87032516)	11.00603c(87100624)	13.23941 (87030908)	8.94486c(87060424)	8.22649 (87082816)
-6.0	45.51373c(87032516)	16.96086 (87030824)	16.66051 (87030908)	12.69402 (87082816)	7.65973c(87122108)
-106.0	96.34684 (87012924)	36.51839 (87030824)	18.62659 (87082816)	10.39819c(87090924)	10.15952 (87041616)
-206.0	201.52419c(87102624)	131.03859 (87040824)	25.30996 (87090916)	11.88841c(87121016)	9.02884c(87121016)
-306.0	136.02162 (87022608)	82.52832 (87120408)	17.68620 (87111016)	21.99686c(87081024)	7.57122c(87091224)
-406.0	58.13263 (87020616)	41.80416 (87012608)	15.43317c(87041024)	12.99051 (87020824)	8.73797c(87012824)
-506.0	39.78726 (87101524)	31.83736 (87012608)	16.19449 (87030916)	9.88337c(87041024)	6.65367c(87041008)
-606.0	33.39807c(87111908)	23.00214c(87030408)	21.78572c(87040908)	19.75300 (87012524)	6.98697c(87020224)
-706.0	27.33750c(87111908)	28.76517c(87030408)	19.02727c(87040908)	9.62920c(87121024)	7.16533c(87041024)
-806.0	21.00083c(87111908)	28.79285c(87030408)	22.72576c(87040808)	19.05492 (87103024)	15.15463 (87012524)
-906.0	15.90957c(87111908)	26.53240c(87030408)	21.12994c(87040808)	17.07000c(87040908)	8.19584c(87020224)
-1006.0	14.05782c(87020724)	23.67566c(87030408)	14.41390c(87042908)	16.88003c(87040908)	15.05914 (87103024)
-1106.0	12.95299c(87020724)	20.91533c(87030408)	12.14695c(87020808)	11.09615c(87071408)	17.56880 (87103024)
-1206.0	13.14415c(87010824)	18.45245c(87030408)	12.31201c(87020808)	15.27816c(87040808)	13.15230c(87040908)
-1306.0	13.00384c(87010824)	16.32134c(87030408)	11.35485c(87020808)	16.37533c(87040808)	13.21214c(87040908)
-1406.0	12.61151c(87010824)	15.44251c(87030208)	10.10484c(87020808)	14.51877c(87040808)	10.67489c(87040908)
-1506.0	12.39239 (87120908)	14.84351c(87030208)	9.19930c(87021308)	11.38068c(87040808)	8.48405c(87040808)

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1987 Met CO \*\*\*

11/24/99

\*\*\* Revised building height = 38' \*\*\*

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11:04:30

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\*\*MODELOPTs: CONC

RURAL FLAT

DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	2.58021c(87102624)	5.17928c(87011324)	3.26166 (87030908)	3.01964c(87051924)	2.74588 (87120408)
794.0	3.25419 (87071224)	5.27021c(87021224)	4.93334c(87051924)	3.70862 (87120408)	2.76456c(87092224)
694.0	5.60588c(87011324)	4.51164c(87051924)	3.92487 (87120408)	3.10012c(87092224)	2.83357c(87043024)
594.0	5.34840c(87021224)	3.66124 (87030908)	3.38097c(87092224)	2.93046c(87041524)	4.09101c(87043024)
494.0	5.64543 (87030908)	3.58611c(87092224)	3.46089c(87041524)	4.30380 (87040924)	7.50374c(87042324)
394.0	5.38483 (87120408)	4.15430c(87041524)	4.59011 (87040924)	8.73360c(87042324)	3.81932c(87090724)
294.0	5.10702c(87041524)	4.74157 (87040924)	8.85121c(87042324)	5.57173c(87090724)	3.74733 (87040924)
194.0	6.17699c(87072624)	6.31088c(87042324)	4.15548c(87072524)	5.02592 (87040924)	5.12415c(87062424)
94.0	6.34410c(87072524)	6.66588 (87040924)	6.20162c(87062424)	9.18230c(87062424)	3.31398c(87062424)
-6.0	6.82566c(87062424)	4.98660c(87062424)	4.07322c(87113024)	7.97603c(87113024)	6.73115c(87113024)
-106.0	8.01535c(87032024)	6.45170c(87032024)	4.95650 (87042124)	3.08098c(87091124)	2.44818c(87091124)
-206.0	7.23282 (87040824)	6.95486 (87040824)	6.60137 (87040824)	6.20531 (87040824)	5.81077 (87040824)
-306.0	7.71433c(87041524)	5.12381c(87093008)	5.03226c(87050624)	5.61120c(87050624)	5.02986c(87012224)
-406.0	17.80302c(87041924)	7.71486c(87012724)	5.52059c(87102624)	5.37623 (87040508)	4.96109c(87041524)
-506.0	6.57421c(87081408)	10.00739c(87081024)	13.70426c(87041924)	7.72449c(87012724)	5.70146c(87012724)
-606.0	5.40100c(87021624)	6.33681 (87020824)	5.96582c(87010224)	8.93796c(87081024)	10.58470c(87041924)
-706.0	6.62483c(87020224)	5.41913c(87021624)	6.68994 (87020824)	5.75919c(87041008)	5.43923c(87091624)
-806.0	5.59168c(87081624)	5.74629c(87041008)	5.08920c(87021624)	5.78827 (87020824)	4.37082c(87041008)
-906.0	12.06122 (87012524)	6.25617 (87040508)	5.52583c(87041008)	4.65890c(87021624)	5.66740c(87041008)
-1006.0	10.61422 (87012524)	4.85056c(87042808)	6.24245 (87040508)	5.34377c(87030924)	4.22660c(87021624)
-1106.0	7.07517c(87020224)	12.58899 (87012524)	5.27082c(87042808)	5.29796 (87040508)	5.14394c(87030924)
-1206.0	10.49416 (87103024)	7.65644 (87012524)	7.80513 (87012524)	4.90095c(87081624)	4.96465c(87021224)
-1306.0	17.01974 (87103024)	6.16802c(87020224)	10.86003 (87012524)	4.24673c(87113024)	4.70537c(87071124)
-1406.0	13.89969 (87103024)	7.35853 (87103024)	5.73683 (87012524)	8.95127 (87012524)	4.66399c(87042808)
-1506.0	10.39691c(87040908)	13.77392 (87103024)	5.42592c(87020224)	8.84141 (87012524)	5.50322 (87012524)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00	1389.00
894.0	2.42512c(87092224)	3.03740c(87043024)	3.83720c(87043024)	3.69560c(87072624)	5.75348c(87042324)
794.0	2.97764c(87043024)	3.96834c(87043024)	4.19112c(87072624)	6.25875c(87042324)	3.50829c(87042324)
694.0	4.06219c(87043024)	4.81404c(87042324)	6.42808c(87042324)	2.49620c(87090724)	4.33246c(87090724)
594.0	6.08195c(87042324)	5.98821c(87042324)	3.98906c(87090724)	3.84426c(87090724)	2.35267(87040924)
494.0	4.69793c(87042324)	5.01742c(87090724)	2.33061(87040924)	3.29517(87040924)	3.03964(87020824)
394.0	4.06887c(87090724)	3.65635(87040924)	3.37515(87020824)	3.50068c(87062424)	6.93704c(87062424)
294.0	3.76533(87040924)	4.21814c(87062424)	8.27750c(87062424)	7.61419c(87062424)	4.23803c(87062424)
194.0	9.42374c(87062424)	6.35003c(87062424)	2.26622c(87062424)	2.29270c(87113024)	4.34377c(87113024)
94.0	3.07972c(87113024)	6.10154c(87113024)	7.08525c(87113024)	5.89565c(87113024)	4.40440c(87032024)
-6.0	6.15503c(87032024)	4.91928c(87032024)	3.99938(87042124)	3.42541(87042124)	2.58801(87042124)
-106.0	1.99937(87013008)	2.34022c(87041608)	3.01060c(87041608)	3.53155c(87041608)	3.88847c(87041608)
-206.0	5.43715(87040824)	5.08832(87040824)	4.76562(87040824)	4.46859(87040824)	4.21517c(87050624)
-306.0	4.65385(87040924)	4.19479(87040924)	3.55221(87040924)	3.60537c(87041608)	3.95560c(87041608)
-406.0	3.37054c(87093008)	2.67202c(87093008)	3.10856c(87050624)	4.17584c(87050624)	4.68462c(87050624)
-506.0	5.14277c(87102624)	4.80658c(87102624)	4.20156c(87113024)	4.27551c(87113024)	3.21777c(87113024)
-606.0	8.59511c(87041924)	6.73988c(87012724)	4.25484c(87012224)	4.44171c(87102624)	4.67863c(87102624)
-706.0	7.58877c(87081024)	8.40855c(87041924)	8.62857c(87041924)	5.69857c(87012724)	5.35855c(87012724)
-806.0	5.21287c(87010224)	4.47913c(87091624)	6.40498c(87081024)	6.85506c(87041924)	7.92495c(87041924)
-906.0	4.28960c(87031508)	5.13331c(87041008)	4.89124c(87010224)	4.57402c(87060824)	5.44653c(87081024)
-1006.0	5.00368c(87041008)	4.96380c(87031508)	4.23643c(87041008)	4.26017c(87010224)	4.44041c(87091624)
-1106.0	4.02837c(87100524)	4.17406c(87041008)	4.70612c(87031508)	3.00600(87012524)	4.42147c(87041008)
-1206.0	4.84827c(87030924)	3.81868c(87100524)	3.61481c(87080924)	3.98255c(87031508)	3.49245c(87031508)
-1306.0	4.60070c(87121724)	4.51886c(87030924)	3.60474c(87100524)	3.58299c(87080924)	3.68252c(87041008)
-1406.0	4.80341(87040508)	4.50270c(87121724)	4.18852c(87030924)	3.39884c(87100524)	3.44443c(87080924)
-1506.0	4.33970c(87081624)	4.48313(87040508)	4.22491c(87121724)	3.86955c(87030924)	3.20610c(87100524)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	-1011.00	-911.00	-811.00	-711.00	-611.00
894.0	3.70129c(87110908)	3.82798c(87082508)	4.65249(87121424)	4.54765c(87050324)	6.01808c(87041224)
794.0	3.71333c(87110824)	3.91449c(87110908)	4.53310c(87082508)	4.83013(87121424)	5.01820c(87091824)
694.0	2.90420c(87031908)	4.18883c(87110824)	4.11765c(87110908)	5.12651c(87082508)	4.69145c(87122708)
594.0	3.43792c(87031908)	2.63039(87121424)	4.44458c(87083108)	4.58521(87121424)	5.29264c(87082508)
494.0	3.43508(87021524)	3.47057(87021524)	3.65997c(87122708)	4.44004c(87083108)	5.56461c(87122108)
394.0	7.74016c(87042308)	5.53418c(87042308)	4.41006(87021524)	5.00993c(87031908)	4.19708c(87083108)
294.0	5.13908c(87070208)	4.46076c(87042308)	8.85872c(87042308)	5.19728c(87122024)	5.56107c(87031908)
194.0	3.83767(87052808)	4.35128(87032324)	5.51297c(87070208)	5.68907c(87042308)	8.56245c(87122708)
94.0	4.34548c(87073024)	5.34780c(87073024)	5.13256c(87080308)	4.86914(87011808)	5.38973c(87082108)
-6.0	5.35782c(87110824)	4.93963c(87120824)	6.20866c(87111524)	6.01514c(87111524)	6.07107c(87111524)
-106.0	5.23324c(87060108)	5.78348c(87051408)	7.18558c(87110824)	8.56699(87032408)	9.80237(87032408)
-206.0	6.54059c(87102624)	7.28984c(87102624)	8.20498c(87102624)	9.34542c(87122408)	10.51341c(87122408)
-306.0	4.97837c(87070308)	5.00541c(87070308)	4.80245c(87070308)	5.13157c(87082024)	5.24887c(87053024)
-406.0	3.88016c(87082024)	4.87531c(87041324)	5.63845c(87120824)	4.94259(87120708)	6.63406c(87052408)
-506.0	4.75018c(87052408)	5.09813c(87053108)	4.64222c(87053108)	5.18451(87022716)	7.57151(87121324)
-606.0	4.18656(87012508)	4.93045c(87010324)	6.66737(87121324)	5.97297(87051008)	6.94163c(87052608)
-706.0	5.68317(87121324)	4.72386(87051008)	5.34356c(87052608)	5.85732c(87092824)	6.19676(87090208)
-806.0	3.92795c(87081308)	4.80373c(87052608)	5.38428(87051108)	6.87776c(87062124)	8.60912c(87052508)
-906.0	4.68336c(87092824)	5.05582c(87052924)	6.83902c(87062124)	7.83992c(87052508)	9.77835(87120708)
-1006.0	4.34941(87112524)	6.35735c(87062124)	7.02689c(87052508)	8.67127(87120708)	8.84122(87120708)
-1106.0	6.07093c(87110724)	6.26617c(87052508)	7.75412(87120708)	8.40169(87120708)	9.04533c(87051608)
-1206.0	5.59023c(87052508)	6.98502(87120708)	7.53336(87120708)	7.88794(87092808)	6.54286(87022708)
-1306.0	6.33355(87120708)	6.63653(87120708)	6.68430(87032308)	6.77744c(87051608)	7.43590c(87110708)
-1406.0	5.85693(87120708)	5.74030(87052808)	7.01665c(87051608)	5.03269c(87060708)	8.24580c(87060708)
-1506.0	5.28951(87120708)	6.29866c(87051608)	4.57339c(87050908)	6.21604c(87060708)	7.10026(87060808)



\*\*MODELOPTs: CONC

RURAL FLAT

DEFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
INCLUDING SOURCE(S): 1407 , GEN03 ,

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\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	6.35921 (87122724)	7.72911 (87021424)	5.86520c(87062524)	6.54781 (87081416)	7.19121 (87120324)
794.0	9.84181c(87041224)	5.76749c(87011608)	7.74359 (87021424)	6.94677 (87081416)	7.71372c(87062608)
694.0	6.59717c(87050324)	8.29500 (87122724)	9.94668 (87021424)	8.49012c(87091324)	7.55180 (87081416)
594.0	5.56026 (87122616)	9.77486c(87041224)	8.48044c(87011608)	8.37385 (87021424)	9.80039 (87081416)
494.0	6.49618c(87122708)	7.22124 (87122616)	9.98374c(87041224)	11.21962c(87080524)	12.02396c(87042724)
394.0	7.05828 (87121424)	7.98673c(87122708)	8.95809 (87012924)	14.07022c(87011608)	12.92587 (87081416)
294.0	5.38082c(87031908)	9.23988 (87121424)	9.46837 (87011816)	12.27693c(87122524)	13.91571 (87021424)
194.0	7.01425 (87021524)	6.72809c(87021016)	12.69446 (87121424)	14.84952 (87012924)	20.63848 (87111008)
94.0	7.82014c(87123124)	9.26678c(87122024)	10.42706c(87021016)	18.12473c(87122108)	23.64759 (87012924)
-6.0	5.79776 (87052808)	8.87036c(87021508)	13.21178c(87122708)	16.19319c(87021016)	28.71068c(87042224)
-106.0	10.17959 (87032408)	9.76843c(87111524)	10.14434 (87022216)	16.30661 (87011808)	36.40022 (87111624)
-206.0	11.94900c(87122408)	13.69815c(87122408)	16.08022c(87021508)	21.59758c(87010316)	34.67745 (87121916)
-306.0	6.66346c(87120824)	9.20565 (87111616)	11.41516c(87052408)	18.54545c(87111608)	25.81998c(87091124)
-406.0	6.46934c(87032908)	10.03562 (87022716)	9.44499c(87081308)	18.88887c(87121816)	29.18234 (87092216)
-506.0	7.24905 (87121324)	8.52470c(87091124)	12.60984c(87070208)	20.00437 (87081524)	31.95531 (87022608)
-606.0	7.10745 (87112524)	11.89063c(87070208)	14.02978 (87112708)	23.56067 (87022608)	24.26781 (87090408)
-706.0	9.45440c(87070208)	12.85626 (87120708)	15.25041 (87022708)	15.52885 (87060808)	17.14514 (87110208)
-806.0	11.13659 (87120708)	12.56073 (87092808)	13.82702 (87022608)	12.65625 (87022424)	14.45499 (87032008)
-906.0	8.98575 (87032308)	10.15475 (87022608)	12.17182 (87060808)	12.13125 (87110208)	17.42619 (87101508)
-1006.0	9.65149c(87051608)	8.83713c(87060708)	9.58665 (87022424)	8.55658 (87020616)	17.54819 (87101524)
-1106.0	7.55632 (87022608)	9.91375 (87060808)	8.05999 (87090408)	8.11230 (87101424)	14.87187 (87101508)
-1206.0	8.77248c(87060708)	7.50469 (87022424)	8.12514 (87110208)	11.54773c(87102508)	13.01327c(87070108)
-1306.0	8.30848 (87060808)	6.26333 (87071808)	6.42549 (87022008)	12.75567 (87101424)	11.74561c(87021924)
-1406.0	6.11768c(87082208)	6.24834 (87110208)	6.15151 (87110208)	11.69644c(87102508)	11.78265c(87021924)
-1506.0	5.18172c(87082208)	6.02814 (87110208)	7.27643c(87102508)	10.69319 (87101524)	10.90588c(87021924)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	5.35216c(87100208)	5.25522c(87071124)	5.26645c(87053124)	2.93482c(87080508)	4.94112c(87041124)
794.0	5.71859c(87042724)	5.38557c(87071124)	5.04794 (87080824)	3.43194c(87041124)	2.41906c(87041124)
694.0	5.66756c(87050224)	5.40061c(87071124)	4.90831c(87100624)	4.80821c(87121924)	2.04657c(87061708)
594.0	7.27505c(87062608)	5.32590c(87041724)	4.67946 (87042124)	6.54669c(87121024)	2.97206c(87100224)
494.0	9.94404c(87062608)	6.45652 (87120324)	3.66207c(87070508)	3.06710c(87041124)	5.21643 (87030908)
394.0	12.42943 (87122808)	8.09698c(87080416)	5.35597c(87061224)	3.91036c(87102624)	5.69907c(87092224)
294.0	14.58964 (87122808)	9.44685c(87080416)	6.49129c(87061224)	6.26580c(87100224)	5.68511c(87091824)
194.0	16.87547c(87062608)	10.40419c(87080416)	5.54526c(87121024)	8.22453c(87092224)	6.32716c(87041524)
94.0	28.35325 (87081416)	10.39984 (87090916)	11.07484c(87100224)	7.70598c(87041524)	8.20925c(87072624)
-6.0	34.60742 (87122816)	15.22804 (87090916)	16.59339 (87090816)	8.33200c(87072624)	7.51492c(87020324)
-106.0	93.64113 (87122724)	35.93277 (87030816)	17.63751c(87020324)	9.17567 (87082816)	6.27709 (87113016)
-206.0	114.60036 (87121916)	125.73064 (87090916)	19.32801 (87041616)	11.60935 (87090916)	7.35963 (87040824)
-306.0	95.48244 (87022508)	80.60226 (87111024)	16.99039c(87113024)	17.01705c(87041924)	7.19935 (87070416)
-406.0	51.92752 (87110208)	40.12211c(87020316)	14.42456c(87121116)	9.81386 (87080716)	8.37488c(87081024)
-506.0	39.37133c(87032808)	25.91674 (87112024)	14.13164c(87012224)	9.06683c(87072908)	6.46630 (87080716)
-606.0	27.71227c(87021924)	22.50452 (87012608)	16.22947 (87021608)	12.62082c(87041024)	6.68389c(87041108)
-706.0	26.59194c(87021924)	21.04447c(87062808)	16.53478c(87071408)	9.46073c(87020224)	6.00797 (87012524)
-806.0	19.38724c(87021924)	19.85051c(87062808)	16.16714 (87041624)	18.42425 (87120408)	7.55696c(87081024)
-906.0	14.43969c(87020724)	17.74559c(87062808)	16.09585c(87042908)	12.84860 (87011224)	6.92174c(87121024)
-1006.0	13.38207c(87071024)	17.00744c(87030208)	13.97947c(87040808)	13.74457c(87041024)	11.60647 (87120408)
-1106.0	12.91411c(87010824)	16.84237c(87030208)	10.33768c(87042908)	10.79735c(87040908)	13.64725 (87120408)
-1206.0	11.84321 (87120908)	16.48413c(87030208)	10.01157 (87112024)	11.89066 (87041624)	10.68423c(87050824)
-1306.0	12.35042 (87120908)	16.00113c(87030208)	9.33523 (87112024)	11.90018c(87112008)	11.62296c(87041024)
-1406.0	12.49720 (87120908)	14.49770c(87030408)	8.79418c(87021308)	11.46370c(87042908)	9.86944c(87071408)
-1506.0	12.06859c(87010824)	12.94087c(87030408)	8.96259c(87030208)	11.27852c(87042908)	8.00350c(87071408)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	1.73929c(87061708)	3.37035 (87042124)	3.02824c(87051924)	2.34457 (87030908)	2.13864c(87092224)
794.0	2.99546c(87102624)	3.66993 (87030908)	3.23581 (87030908)	2.21453c(87092224)	1.94462c(87060424)
694.0	3.93139 (87071224)	4.25210 (87030908)	2.46565c(87092224)	2.24881c(87060424)	2.51928c(87041524)
594.0	5.10097 (87030908)	3.38479c(87051924)	2.54719c(87060424)	2.57454c(87043024)	3.97883 (87040924)
494.0	5.61217c(87051924)	3.58567 (87120408)	3.02716c(87061724)	4.01259c(87043024)	5.39633c(87031424)
394.0	3.95524c(87030808)	3.81780c(87061724)	3.95649c(87040724)	5.09927c(87031424)	3.04862c(87112224)
294.0	4.89512c(87061724)	4.72921c(87052124)	3.65177c(87031424)	3.82393c(87072524)	2.47526c(87072524)
194.0	5.72823c(87052124)	4.23007c(87072524)	3.58527c(87090724)	3.80170 (87020824)	3.55491 (87020824)
94.0	5.51554c(87020324)	5.25842c(87122108)	4.85350c(87041108)	3.30534c(87041108)	2.52227 (87033008)
-6.0	6.48004c(87041108)	3.53394 (87033008)	3.48545 (87041616)	3.66340c(87081824)	5.04886c(87032024)
-106.0	6.95593 (87041616)	5.86483 (87042124)	3.83823 (87022224)	3.01341 (87022224)	2.32421 (87013008)
-206.0	6.91758c(87121016)	5.42485c(87121016)	4.86661c(87050624)	4.97026c(87050624)	4.93785c(87050624)
-306.0	6.90063c(87093008)	3.84414 (87013024)	4.22672c(87080924)	4.82149c(87012224)	4.73687c(87050624)
-406.0	12.22803c(87081024)	7.01692c(87012224)	3.14712 (87020824)	4.92602c(87041524)	4.76536c(87113024)
-506.0	5.63575 (87020824)	5.44665c(87060824)	8.39618c(87081024)	6.70381c(87041924)	5.54879c(87012224)
-606.0	4.44095c(87080924)	4.69605c(87031508)	4.86052c(87091624)	5.63937c(87030924)	6.42239c(87081024)
-706.0	5.95588c(87121724)	4.31941c(87080924)	5.93803c(87031508)	5.57573c(87061224)	4.73824c(87010224)
-806.0	5.10240c(87071124)	5.39890c(87121724)	4.34795c(87100524)	5.75918c(87041008)	3.98678 (87011224)
-906.0	7.52679c(87041024)	5.33920c(87071124)	5.33705c(87030924)	4.34203c(87100524)	4.53666c(87072324)
-1006.0	6.46937c(87081024)	4.82730c(87113024)	4.18487c(87021224)	5.05602c(87041008)	4.21461c(87100524)
-1106.0	5.57258c(87102508)	6.43344c(87041024)	4.96865c(87081624)	4.94522c(87021224)	4.52655c(87041008)
-1206.0	8.03506c(87121024)	5.33655c(87021224)	4.72735c(87041024)	4.80521c(87071124)	4.38784c(87121724)
-1306.0	11.57815 (87120408)	5.15779c(87102508)	4.83812c(87041024)	4.16431c(87042808)	4.63689 (87040508)
-1406.0	10.57542c(87040908)	6.44015c(87121024)	4.86424c(87042808)	4.70354c(87041024)	3.92313c(87081624)
-1506.0	9.09877c(87050824)	8.78455c(87040908)	4.70149c(87102508)	4.32740c(87070924)	3.40735 (87011224)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00	1389.00
894.0	1.67084c(87060424)	1.94253c(87041524)	3.27614 (87080724)	3.59286c(87040724)	3.97005c(87031424)
794.0	2.19730c(87041524)	3.47110 (87080724)	3.78342c(87042324)	3.76079c(87031424)	2.37796c(87112224)
694.0	3.65699 (87040924)	4.63099c(87072624)	3.19177c(87031424)	2.48967c(87042324)	1.79955c(87072524)
594.0	4.98104c(87031424)	2.84556c(87112224)	2.24784c(87112224)	1.94338c(87072524)	1.33800c(87072524)
494.0	3.14816c(87112224)	2.51322c(87072524)	2.18487c(87090724)	1.62435c(87041608)	2.30026 (87040924)
394.0	2.73641c(87072524)	1.90021c(87122108)	2.90169 (87040924)	2.91764 (87020824)	1.97230c(87041108)
294.0	3.67934 (87020824)	3.24613 (87020824)	2.37017c(87041108)	1.67694c(87041108)	1.53534 (87033008)
194.0	2.84432c(87041108)	1.89902 (87033008)	1.83282 (87033008)	1.71893c(87081824)	2.31899c(87081824)
94.0	2.20833c(87081824)	3.03603c(87081824)	3.10583c(87081824)	3.50606 (87071324)	4.10146c(87113024)
-6.0	4.12471 (87072508)	3.81464 (87042124)	3.09113c(87032024)	1.70096c(87032024)	1.37129 (87022224)
-106.0	1.93754c(87091124)	2.06460c(87123008)	2.70052 (87040824)	3.26417 (87040824)	3.70197 (87040824)
-206.0	4.84426c(87050624)	4.71183c(87050624)	4.55620c(87050624)	4.38819c(87050624)	4.19624 (87040824)
-306.0	4.41021c(87012224)	3.53064c(87012224)	3.17779c(87061024)	2.98045c(87061024)	2.99325 (87040324)
-406.0	2.90910c(87113024)	1.76847c(87050624)	2.63978c(87080924)	3.54848c(87080924)	3.98128c(87080924)
-506.0	3.14230c(87091524)	3.64383 (87040508)	3.98213 (87040508)	3.63723 (87052808)	2.67900 (87052808)
-606.0	5.58386c(87012724)	4.13269c(87012224)	4.21723c(87012724)	2.71808c(87091524)	2.40662 (87040508)
-706.0	5.47141c(87030924)	5.25033c(87081024)	3.99318c(87012724)	3.79514c(87041924)	3.78933c(87012224)
-806.0	4.10528c(87041008)	4.46278c(87060824)	5.01610c(87030924)	4.42056c(87081024)	2.96763c(87012724)
-906.0	3.98138 (87012524)	5.03373c(87061224)	4.63857c(87091624)	4.11881c(87081024)	4.50682c(87030924)
-1006.0	4.21774c(87072324)	3.70795 (87020824)	4.03303c(87061224)	3.88459c(87041008)	3.79135c(87010224)
-1106.0	3.82704c(87021624)	3.65324c(87072324)	3.68966 (87020824)	3.00242c(87041008)	4.36180c(87061224)
-1206.0	4.04863c(87042324)	3.47041c(87021624)	3.39088c(87041008)	3.62223c(87041008)	3.24206 (87012524)
-1306.0	4.55917c(87021224)	3.81307c(87111124)	3.15876c(87021624)	3.13964 (87071224)	3.38815c(87072324)
-1406.0	3.89598c(87071124)	3.98637c(87021224)	3.66078c(87111124)	2.89058c(87021624)	3.01776 (87071224)
-1506.0	4.00531c(87042808)	3.23493c(87021224)	3.81210c(87041008)	3.48898c(87111124)	2.65707c(87021624)

\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

\*\*\* THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR, YR) OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR, YR) OF TYPE
1.	1001.87579	(87040822)	AT (	89.00, -206.00) GC	26.	351.54990	(87052205)	AT (	-11.00, -206.00) GC
2.	819.91974	(87102620)	AT (	-11.00, -206.00) GC	27.	342.44278	(87011508)	AT (	-11.00, -206.00) GC
3.	747.55750	(87032301)	AT (	-11.00, -206.00) GC	28.	336.88010	(87120407)	AT (	89.00, -306.00) GC
4.	647.06812	(87042806)	AT (	89.00, -206.00) GC	29.	334.41574	(87040404)	AT (	89.00, -306.00) GC
5.	532.84637	(87031724)	AT (	-11.00, -206.00) GC	30.	330.46036	(87062118)	AT (	-11.00, -206.00) GC
6.	517.87494	(87090919)	AT (	-11.00, -206.00) GC	31.	328.92221	(87121409)	AT (	-11.00, -206.00) GC
7.	498.80551	(87013008)	AT (	89.00, -206.00) GC	32.	327.61447	(87122824)	AT (	89.00, -306.00) GC
8.	485.63617	(87011501)	AT (	-11.00, -206.00) GC	33.	326.47476	(87012505)	AT (	-11.00, -206.00) GC
9.	482.02429	(87121016)	AT (	89.00, -206.00) GC	34.	322.09692	(87020213)	AT (	89.00, -206.00) GC
10.	478.10089	(87052624)	AT (	-11.00, -206.00) GC	35.	320.47888	(87012503)	AT (	-11.00, -206.00) GC
11.	475.56311	(87062615)	AT (	89.00, -206.00) GC	36.	317.00681	(87030116)	AT (	89.00, -206.00) GC
12.	471.50925	(87041009)	AT (	89.00, -206.00) GC	37.	314.73035	(87072810)	AT (	89.00, -206.00) GC
13.	467.83047	(87011909)	AT (	89.00, -206.00) GC	38.	312.83914	(87060417)	AT (	-11.00, -206.00) GC
14.	451.98080	(87110809)	AT (	-11.00, -206.00) GC	39.	311.94620	(87090911)	AT (	89.00, -206.00) GC
15.	421.82855	(87090910)	AT (	89.00, -206.00) GC	40.	309.44086	(87090618)	AT (	-11.00, -206.00) GC
16.	403.75662	(87110921)	AT (	-11.00, -206.00) GC	41.	307.82962	(87051702)	AT (	-11.00, -206.00) GC
17.	392.09094	(87110823)	AT (	-11.00, -206.00) GC	42.	303.20599	(87072522)	AT (	-11.00, -106.00) GC
18.	389.27435	(87011512)	AT (	-11.00, -206.00) GC	43.	300.87509	(87121911)	AT (	-11.00, -206.00) GC
19.	389.22522	(87102617)	AT (	-11.00, -206.00) GC	44.	296.33887	(87021613)	AT (	89.00, -206.00) GC
20.	387.90665	(87120910)	AT (	-11.00, -206.00) GC	45.	289.62347	(87091203)	AT (	-11.00, -206.00) GC
21.	384.93549	(87121910)	AT (	-11.00, -206.00) GC	46.	289.42734	(87041612)	AT (	89.00, -206.00) GC
22.	362.84399	(87042123)	AT (	89.00, -306.00) GC	47.	288.27771	(87073011)	AT (	89.00, -206.00) GC
23.	362.34259	(87091017)	AT (	89.00, -206.00) GC	48.	283.52518	(87081510)	AT (	-11.00, -206.00) GC
24.	356.63675	(87041611)	AT (	89.00, -206.00) GC	49.	281.01947	(87110910)	AT (	-11.00, -206.00) GC
25.	356.40543	(87012815)	AT (	89.00, -206.00) GC	50.	278.14294	(87102012)	AT (	89.00, -206.00) GC

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

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 50 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	201.52419c	(87102624) AT (	-11.00, -206.00) GC	26.	83.22170	(87122616) AT (	-11.00, -106.00) GC
2.	136.02162	(87022608) AT (	-11.00, -306.00) GC	27.	82.52832	(87120408) AT (	89.00, -306.00) GC
3.	131.03859	(87040824) AT (	89.00, -206.00) GC	28.	80.75431	(87102316) AT (	-11.00, -306.00) GC
4.	125.73064	(87090916) AT (	89.00, -206.00) GC	29.	80.74333	(87031116) AT (	-11.00, -306.00) GC
5.	114.60036	(87121916) AT (	-11.00, -206.00) GC	30.	80.60226	(87111024) AT (	89.00, -306.00) GC
6.	107.84560c	(87042808) AT (	89.00, -206.00) GC	31.	79.68348c	(87052624) AT (	-11.00, -206.00) GC
7.	106.02698	(87110816) AT (	-11.00, -206.00) GC	32.	78.85956c	(87050908) AT (	-11.00, -306.00) GC
8.	104.84044	(87032408) AT (	-11.00, -206.00) GC	33.	77.73969	(87051024) AT (	-11.00, -206.00) GC
9.	103.51625	(87011508) AT (	-11.00, -206.00) GC	34.	75.57545	(87031724) AT (	-11.00, -206.00) GC
10.	102.19154	(87041616) AT (	89.00, -206.00) GC	35.	74.22606	(87022124) AT (	-11.00, -306.00) GC
11.	96.34684	(87012924) AT (	-11.00, -106.00) GC	36.	72.87108	(87081524) AT (	-11.00, -306.00) GC
12.	95.48244	(87022508) AT (	-11.00, -306.00) GC	37.	72.47887	(87030524) AT (	-11.00, -306.00) GC
13.	94.18478c	(87110824) AT (	-11.00, -206.00) GC	38.	72.09406	(87112816) AT (	-11.00, -206.00) GC
14.	93.64113	(87122724) AT (	-11.00, -106.00) GC	39.	70.10041	(87011824) AT (	-11.00, -106.00) GC
15.	93.44469	(87032308) AT (	-11.00, -206.00) GC	40.	69.65987	(87040516) AT (	89.00, -306.00) GC
16.	91.51232c	(87112316) AT (	-11.00, -206.00) GC	41.	68.99942	(87040816) AT (	89.00, -306.00) GC
17.	90.19491c	(87110708) AT (	-11.00, -306.00) GC	42.	68.86061c	(87121016) AT (	89.00, -206.00) GC
18.	87.08456	(87022008) AT (	-11.00, -306.00) GC	43.	68.58077	(87022216) AT (	-11.00, -206.00) GC
19.	86.67293	(87012508) AT (	-11.00, -206.00) GC	44.	68.52488	(87120916) AT (	-11.00, -206.00) GC
20.	86.47168c	(87090924) AT (	-11.00, -206.00) GC	45.	67.25027	(87071924) AT (	-11.00, -306.00) GC
21.	86.42391	(87052208) AT (	-11.00, -206.00) GC	46.	67.03141	(87022616) AT (	-11.00, -306.00) GC
22.	85.96508	(87022708) AT (	-11.00, -306.00) GC	47.	66.97311c	(87111724) AT (	-11.00, -106.00) GC
23.	85.08340	(87062616) AT (	89.00, -206.00) GC	48.	65.74950	(87052416) AT (	-11.00, -206.00) GC
24.	84.60893	(87110308) AT (	-11.00, -306.00) GC	49.	65.19777c	(87122508) AT (	-11.00, -106.00) GC
25.	83.38863c	(87021616) AT (	89.00, -206.00) GC	50.	64.78218	(87052716) AT (	-11.00, -206.00) GC

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1987 Met CO  
\*\*\* Revised building height = 38'

\*\*\*  
\*\*\*

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11:04:30  
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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

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

\*\* CONC OF CO 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 1001.87579	ON 87040822: AT (	89.00, -206.00, 0.00, 0.00)	GC	100METER
	HIGH 2ND HIGH VALUE IS 747.55750	ON 87032301: AT (	-11.00, -206.00, 0.00, 0.00)	GC	100METER

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1987 Met CO  
\*\*\* Revised building height = 38'

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\*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

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

\*\* CONC OF CO 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 201.52419c	ON 87102624: AT (	-11.00, -206.00, 0.00, 0.00)	GC	100METER
	HIGH 2ND HIGH VALUE IS 125.73064	ON 87090916: AT (	89.00, -206.00, 0.00, 0.00)	GC	100METER

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*      \*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1987 Met CO \*\*\*  
\*\*\* Revised building height = 38'      \*\*\*

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\*\*MODELOPTs: CONC                      RURAL FLAT                      DFAULT

\*\*\* Message Summary : ISCST3 Model Execution \*\*\*

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

A Total of                      0 Fatal Error Message(s)  
A Total of                      0 Warning Message(s)  
A Total of                      2365 Informational Message(s)  
A Total of                      2365 Calm Hours Identified

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

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

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



**ISCST3 CO 1988**

\*\* The results for this run are in file 14ST88C.OUT.

\*\*  
CO STARTING  
TITLEONE FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1988 Met CO  
TITLETWO Revised building height = 38'  
MODELOPT DFAULT RURAL CONC  
AVERTIME 1 8  
POLLUTID CO  
RUNORNOT RUN  
ERRORFIL 14ERR88.OUT  
CO FINISHED

SO STARTING  
LOCATION 1407 POINT 189.36 -305.90

\*\* Point Source            QS        HS        TS        VS        DS  
\*\* Parameters:            ----        ----        ----        ----        ---  
SRCPARAM 1407            1.351    17.68    718.1    13.85    2.66

SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDWID 1407	27.22	26.56	25.08	25.61	26.84	27.26
SO BUILDWID 1407	26.85	25.63	23.63	20.90	17.55	13.66
SO BUILDWID 1407	14.87	18.62	21.79	24.30	26.08	27.06
SO BUILDWID 1407	27.22	26.56	25.08	25.61	26.84	27.26
SO BUILDWID 1407	26.85	25.63	23.63	20.90	17.55	13.66
SO BUILDWID 1407	14.87	18.62	21.79	24.30	26.08	27.06

SO LOCATION GEN03 POINT 50.98 -206.27

\*\* Parameters            QS        HS        TS        VS        DS  
\*\*                        ----        ----        ----        ----        ---  
SO SRCPARAM GEN03        0.283    6.10    644.26    45.49    0.2

SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDWID GEN03	82.08	100.88	116.62	128.81	137.09	141.21
SO BUILDWID GEN03	141.03	136.57	127.96	115.46	99.45	80.42
SO BUILDWID GEN03	58.95	35.69	11.34	13.35	37.64	60.78
SO BUILDWID GEN03	82.08	100.88	116.62	128.81	137.09	141.21
SO BUILDWID GEN03	141.03	136.57	127.96	115.46	99.45	80.42
SO BUILDWID GEN03	58.95	35.69	11.34	13.35	37.64	60.78

SO SRCGROUP ALL  
SO FINISHED

RE STARTING  
GRIDCART 100METER STA  
GRIDCART 100METER XYINC -1011 25 100 -1506 25 100  
GRIDCART 100METER END  
RE FINISHED

ME STARTING  
INPUTFIL 14RAM88.ASC  
ANEMHGHT 10  
SURFDATA 93805 1988 TALLAHASSE  
UAIRDATA 12832 1988 APALACHICOLA  
ME FINISHED

OU STARTING  
RECTABLE ALLAVE FIRST SECOND  
MAXTABLE ALLAVE 50  
OU FINISHED

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

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

\*\*Intermediate Terrain Processing is Selected

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

-- SCAVENGING/DEPOSITION LOGIC --

\*\*Model Uses NO DRY DEPLETION. DDPLETE = F

\*\*Model Uses NO WET DEPLETION. WDPLETE = F

\*\*NO WET SCAVENGING Data Provided.

\*\*Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

\*\*Model Uses RURAL Dispersion.

\*\*Model Uses 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 2 Short Term Average(s) of: 1-HR 8-HR

\*\*This Run Includes: 2 Source(s); 1 Source Group(s); and 625 Receptor(s)

\*\*The Model Assumes A Pollutant Type of: CO

\*\*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

\*\*Approximate Storage Requirements of Model = 1.3 MB of RAM.

\*\*Input Runstream File: 14st88c.IN  
 \*\*Output Print File: 14st88c.OUT  
 \*\*Detailed Error/Message File: 14ERR88.OUT

\*\*\* ISCST3 - VERSION 98356 \*\*\*      \*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1988 Met CO \*\*\*      11/24/99  
 \*\*\* Revised building height = 38'      \*\*\*      11:04:51  
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\*\*MODELOPTs: CONC                      RURAL FLAT                      DFAULT

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
1407	0	0.13510E+01	189.4	-305.9	0.0	17.68	718.10	13.85	2.66	YES	
GEN03	0	0.28300E+00	51.0	-206.3	0.0	6.10	644.26	45.49	0.20	YES	

\*\*\* ISCS13 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1988 Met CO \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

GROUP ID

SOURCE IDs

ALL 1407 , GEN03 ,

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1988 Met CO \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: 1407

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	11.6,	27.2,	0	2	11.6,	26.6,	0	3	11.6,	25.1,	0	4	11.6,	25.6,	0	5	11.6,	26.8,	0	6	11.6,	27.3,	0
7	11.6,	26.9,	0	8	11.6,	25.6,	0	9	11.6,	23.6,	0	10	11.6,	20.9,	0	11	11.6,	17.5,	0	12	11.6,	13.7,	0
13	11.6,	14.9,	0	14	11.6,	18.6,	0	15	11.6,	21.8,	0	16	11.6,	24.3,	0	17	11.6,	26.1,	0	18	11.6,	27.1,	0
19	11.6,	27.2,	0	20	11.6,	26.6,	0	21	11.6,	25.1,	0	22	11.6,	25.6,	0	23	11.6,	26.8,	0	24	11.6,	27.3,	0
25	11.6,	26.9,	0	26	11.6,	25.6,	0	27	11.6,	23.6,	0	28	11.6,	20.9,	0	29	11.6,	17.5,	0	30	11.6,	13.7,	0
31	11.6,	14.9,	0	32	11.6,	18.6,	0	33	11.6,	21.8,	0	34	11.6,	24.3,	0	35	11.6,	26.1,	0	36	11.6,	27.1,	0

SOURCE ID: GEN03

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	9.9,	82.1,	0	2	9.9,	100.9,	0	3	9.9,	116.6,	0	4	9.9,	128.8,	0	5	9.9,	137.1,	0	6	9.9,	141.2,	0
7	9.9,	141.0,	0	8	9.9,	136.6,	0	9	9.9,	128.0,	0	10	9.9,	115.5,	0	11	9.9,	99.4,	0	12	9.9,	80.4,	0
13	9.9,	59.0,	0	14	9.9,	35.7,	0	15	9.9,	11.3,	0	16	9.9,	13.4,	0	17	9.9,	37.6,	0	18	9.9,	60.8,	0
19	9.9,	82.1,	0	20	9.9,	100.9,	0	21	9.9,	116.6,	0	22	9.9,	128.8,	0	23	9.9,	137.1,	0	24	9.9,	141.2,	0
25	9.9,	141.0,	0	26	9.9,	136.6,	0	27	9.9,	128.0,	0	28	9.9,	115.5,	0	29	9.9,	99.4,	0	30	9.9,	80.4,	0
31	9.9,	59.0,	0	32	9.9,	35.7,	0	33	9.9,	11.3,	0	34	9.9,	13.4,	0	35	9.9,	37.6,	0	36	9.9,	60.8,	0

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1988 Met CO \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

\*\*\*  
\*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT                    DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-1011.0,	-911.0,	-811.0,	-711.0,	-611.0,	-511.0,	-411.0,	-311.0,	-211.0,	-111.0,
-11.0,	89.0,	189.0,	289.0,	389.0,	489.0,	589.0,	689.0,	789.0,	889.0,
989.0,	1089.0,	1189.0,	1289.0,	1389.0,					

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-1506.0,	-1406.0,	-1306.0,	-1206.0,	-1106.0,	-1006.0,	-906.0,	-806.0,	-706.0,	-606.0,
-506.0,	-406.0,	-306.0,	-206.0,	-106.0,	-6.0,	94.0,	194.0,	294.0,	394.0,
494.0,	594.0,	694.0,	794.0,	894.0,					

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1988 Met CO \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

\*\*\*  
\*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT                    DFAULT

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
LESS THAN 1.0 METER OR 3\*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)    YR (METERS)		DISTANCE (METERS)
1407	189.0	-306.0	0.37





\*\*MODELOPTs: CONC

RURAL FLAT

DEFAULT

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

FILE: 14RAM88.ASC

FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1988

YEAR: 1988

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M)		USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
								RURAL	URBAN					
88	1	1	1	151.0	1.54	283.2	7	556.0	702.0	0.0000	0.0	0.0000	0	0.00
88	1	1	2	148.0	0.00	283.2	7	518.9	702.0	0.0000	0.0	0.0000	0	0.00
88	1	1	3	154.0	0.00	283.7	6	481.8	702.0	0.0000	0.0	0.0000	0	0.00
88	1	1	4	153.0	0.00	283.7	6	444.7	702.0	0.0000	0.0	0.0000	0	0.00
88	1	1	5	153.0	0.00	283.7	6	407.7	702.0	0.0000	0.0	0.0000	0	0.00
88	1	1	6	152.0	0.00	284.3	6	370.6	702.0	0.0000	0.0	0.0000	0	0.00
88	1	1	7	155.0	0.00	284.8	6	333.5	702.0	0.0000	0.0	0.0000	0	0.00
88	1	1	8	153.0	0.00	284.8	5	4.1	667.0	0.0000	0.0	0.0000	0	0.00
88	1	1	9	147.0	0.00	286.5	4	15.8	568.1	0.0000	0.0	0.0000	0	0.00
88	1	1	10	311.0	1.54	288.7	3	27.4	469.3	0.0000	0.0	0.0000	0	0.00
88	1	1	11	334.0	2.57	290.4	4	39.1	370.5	0.0000	0.0	0.0000	0	0.00
88	1	1	12	336.0	2.57	291.5	4	50.7	271.7	0.0000	0.0	0.0000	0	0.00
88	1	1	13	313.0	2.57	291.5	4	62.4	172.8	0.0000	0.0	0.0000	0	0.00
88	1	1	14	49.0	2.06	290.9	4	74.0	74.0	0.0000	0.0	0.0000	0	0.00
88	1	1	15	332.0	1.54	290.4	3	74.0	74.0	0.0000	0.0	0.0000	0	0.00
88	1	1	16	354.0	2.06	289.8	4	74.0	74.0	0.0000	0.0	0.0000	0	0.00
88	1	1	17	351.0	0.00	289.3	3	74.0	74.0	0.0000	0.0	0.0000	0	0.00
88	1	1	18	177.0	2.06	288.7	4	77.0	77.0	0.0000	0.0	0.0000	0	0.00
88	1	1	19	184.0	0.00	288.2	5	87.8	194.5	0.0000	0.0	0.0000	0	0.00
88	1	1	20	187.0	2.06	288.2	5	98.5	288.4	0.0000	0.0	0.0000	0	0.00
88	1	1	21	190.0	0.00	288.2	6	109.3	382.3	0.0000	0.0	0.0000	0	0.00
88	1	1	22	192.0	0.00	288.2	6	120.0	476.2	0.0000	0.0	0.0000	0	0.00
88	1	1	23	190.0	0.00	288.2	6	130.8	570.1	0.0000	0.0	0.0000	0	0.00
88	1	1	24	170.0	1.54	288.2	6	141.5	664.0	0.0000	0.0	0.0000	0	0.00

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

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	-1011.00	-911.00	-811.00	-711.00	-611.00
894.0	27.20313 (88052301)	27.78867 (88052222)	24.54538 (88052223)	20.72746 (88040420)	29.65576 (88111605)
794.0	27.77679 (88052402)	28.73758 (88052301)	29.25603 (88052222)	21.90224 (88040420)	21.19589 (88071221)
694.0	23.01447 (88041104)	29.66440 (88052402)	30.21150 (88111608)	28.76411 (88052222)	30.47138 (88040420)
594.0	25.61741 (88060901)	28.35235 (88041104)	31.83790 (88111603)	32.69197 (88111608)	33.14023 (88052223)
494.0	29.63733 (88052924)	31.54878 (88052324)	32.21511 (88041104)	34.26196 (88111603)	35.04216 (88111608)
394.0	30.17009 (88031805)	32.91871 (88112606)	32.68684 (88040206)	31.09958 (88041104)	38.49158 (88051104)
294.0	31.26586 (88032906)	32.70385 (88060824)	33.71188 (88031805)	33.52968 (88052924)	34.74259 (88052324)
194.0	29.57208 (88091201)	34.21815 (88112607)	33.68871 (88032906)	38.61627 (88011906)	38.73326 (88112606)
94.0	33.19817 (88040204)	30.75845 (88081701)	30.62677 (88091201)	39.87505 (88031206)	42.29590 (88053124)
-6.0	27.48847 (88032903)	34.37314 (88100123)	38.56573 (88070801)	41.36846 (88032901)	42.41392 (88032504)
-106.0	31.75629 (88032224)	32.97051 (88070305)	31.89828 (88070305)	39.06464 (88060822)	43.44501 (88060822)
-206.0	34.11856 (88060903)	36.54094 (88060903)	39.19063 (88060903)	42.07452 (88060903)	45.18848 (88060903)
-306.0	31.51361 (88070306)	35.05855 (88053101)	38.68102 (88112507)	41.34521 (88112507)	44.33664 (88033104)
-406.0	25.25353 (88040205)	34.20749 (88070723)	34.19636 (88051521)	40.65634 (88081204)	44.48276 (88011905)
-506.0	30.60282 (88081204)	35.20647 (88011905)	43.68490 (88030308)	53.31815 (88030308)	42.21535 (88030308)
-606.0	39.68720 (88030308)	39.76702 (88030308)	30.32947 (88112422)	39.07219 (88122701)	42.73369 (88011602)
-706.0	27.06936 (88112422)	32.48659 (88122701)	34.12296 (88091904)	36.88266 (88050401)	39.87318 (88080507)
-806.0	29.16450 (88080224)	31.34343 (88080503)	34.15904 (88091102)	35.28321 (88011607)	38.63785 (88032306)
-906.0	28.54560 (88041101)	27.07458 (88070402)	32.93834 (88090304)	34.55884 (88011603)	41.40771 (88060606)
-1006.0	29.19939 (88070402)	30.05866 (88040207)	32.05463 (88011603)	36.77863 (88060606)	33.78790 (88091122)
-1106.0	28.39380 (88040207)	29.35136 (88062701)	33.06233 (88060606)	31.07962 (88091122)	32.27630 (88091104)
-1206.0	27.46865 (88062701)	30.02401 (88060606)	29.21364 (88051305)	29.62617 (88061305)	30.57905 (88120505)
-1306.0	27.49877 (88060606)	27.66909 (88051305)	28.37206 (88081605)	28.91832 (88053102)	29.44335 (88091403)
-1406.0	25.40842 (88061206)	24.89807 (88100202)	27.33083 (88040203)	27.40234 (88081707)	29.31524 (88012405)
-1506.0	23.28382 (88082721)	25.14859 (88040203)	25.80244 (88060823)	26.55606 (88091101)	26.38145 (88072002)

\*\*MODELOPTs: CONC

RURAL FLAT

DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	25.55902 (88020221)	30.78531 (88020220)	31.49048 (88122308)	23.98862 (88112004)	30.81135 (88032023)
794.0	30.51211 (88031301)	33.20399 (88111604)	32.59784 (88022820)	32.81134 (88032021)	33.58029 (88041422)
694.0	32.26439 (88071221)	31.11182 (88020221)	34.93896 (88100124)	34.84608 (88041201)	34.62547 (88121423)
594.0	31.17623 (88040420)	37.75404 (88031301)	38.32079 (88041521)	39.77017 (88041202)	37.17872 (88050421)
494.0	38.00505 (88052223)	30.46516 (88071221)	38.95841 (88020221)	41.53710 (88041722)	35.45203 (88112004)
394.0	36.75700 (88111608)	32.86226 (88052223)	44.28246 (88111605)	44.67114 (88041521)	50.10981 (88032021)
294.0	42.21926 (88051104)	36.73487 (88111608)	49.91869 (88040420)	50.26641 (88020221)	56.67332 (88041202)
194.0	44.81746 (88050905)	40.94886 (88051104)	47.03704 (88072202)	49.48305 (88071221)	62.74718 (88100124)
94.0	49.14148 (88011906)	47.72390 (88052322)	50.24895 (88010110)	65.53648 (88072202)	68.59093 (88030418)
-6.0	34.69286 (88072108)	49.90422 (88112607)	64.20174 (88072201)	66.78847 (88070309)	87.12461 (88123122)
-106.0	52.28293 (88032903)	59.05993 (88100123)	70.59650 (88032905)	79.57564 (88061708)	118.03299 (88121917)
-206.0	48.35419 (88060903)	54.78513 (88032902)	66.01136 (88032902)	85.70181 (88040408)	138.72952 (88032902)
-306.0	42.45354 (88033104)	59.08119 (88070723)	58.71683 (88091909)	132.41783 (88030308)	120.68695 (88052819)
-406.0	67.44302 (88030308)	70.94292 (88030308)	58.69877 (88091505)	75.63219 (88111823)	93.73347 (88091121)
-506.0	48.71465 (88091505)	54.74800 (88050401)	59.76316 (88091821)	72.85305 (88060606)	76.20403 (88070705)
-606.0	43.15129 (88091102)	50.26689 (88092804)	64.21362 (88060606)	58.59901 (88090301)	66.87793 (88020707)
-706.0	42.31583 (88032306)	54.82134 (88060606)	50.84661 (88011601)	52.36914 (88081002)	55.61357 (88061221)
-806.0	47.28099 (88060606)	42.03877 (88093022)	43.89000 (88091403)	45.54552 (88060522)	50.06363 (88111724)
-906.0	37.95113 (88100202)	39.14006 (88120505)	40.94378 (88092803)	42.16628 (88061121)	45.08147 (88100802)
-1006.0	34.69717 (88070602)	37.58312 (88061504)	38.08079 (88092701)	39.57949 (88073003)	40.51344 (88011024)
-1106.0	34.80474 (88011606)	35.11535 (88072002)	32.73175 (88020707)	36.83782 (88081306)	38.47557 (88011101)
-1206.0	31.61051 (88012405)	33.12265 (88052201)	33.99646 (88091307)	34.32649 (88060123)	35.85687 (88011304)
-1306.0	30.34766 (88072002)	30.85085 (88060203)	31.72310 (88073003)	32.48627 (88011522)	33.06307 (88010607)
-1406.0	29.81931 (88022621)	26.96576 (88061121)	29.95395 (88052523)	30.81166 (88011520)	31.99777 (88043007)
-1506.0	27.84299 (88060203)	27.85013 (88081706)	28.67295 (88020108)	28.89271 (88043005)	31.46048 (88043007)

\*\*MODELOPTS: CONC

RURAL FLAT DEFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	32.83311 (88091820)	19.74022 (88122109)	31.40969 (88072923)	29.25157 (88032121)	27.44117 (88112720)
794.0	34.71809 (88122119)	22.97456 (88122419)	29.42550 (88072923)	32.23559 (88032121)	31.62228 (88071201)
694.0	38.24920 (88122119)	27.65149 (88122419)	33.38212 (88041022)	37.01674 (88071722)	32.00456 (88042022)
594.0	40.14260 (88122119)	33.37679 (88122419)	40.09216 (88071821)	38.36599 (88112720)	38.87147 (88080904)
494.0	40.01568 (88022620)	41.30456 (88050423)	43.73830 (88122420)	35.29985 (88030417)	38.39906 (88081922)
394.0	48.08256 (88022620)	50.14902 (88050423)	33.56522 (88032121)	47.99154 (88041120)	43.17649 (88082321)
294.0	52.07772 (88050422)	56.79943 (88050423)	54.77167 (88072321)	47.06460 (88081922)	46.81569 (88072322)
194.0	65.29430 (88041422)	64.56649 (88032622)	58.98507 (88030417)	50.31302 (88071721)	63.74349 (88070106)
94.0	79.73196 (88050421)	73.44521 (88083018)	65.18204 (88080519)	57.09679 (88111312)	49.26953 (88110520)
-6.0	108.42806 (88122312)	108.55320 (88082619)	92.85633 (88032918)	75.86226 (88110521)	45.97168 (88110517)
-106.0	215.25003 (88071221)	236.24170 (88041120)	129.58075 (88110510)	79.40829 (88111309)	58.96349 (88070108)
-206.0	720.39789 (88032902)	601.67987 (88082109)	128.33833 (88082109)	85.29099 (88111509)	64.89910 (88111509)
-306.0	220.42644 (88052701)	360.78998 (88022801)	130.32103 (88110409)	82.11427 (88070420)	62.64628 (88072310)
-406.0	108.42739 (88070604)	112.72611 (88081408)	91.41298 (88112724)	69.54433 (88030502)	53.19986 (88111524)
-506.0	79.91527 (88052604)	80.52558 (88031006)	68.86552 (88101920)	54.09755 (88112020)	44.67815 (88030502)
-606.0	75.35727 (88043007)	67.88783 (88112102)	66.27483 (88102121)	61.35088 (88121623)	40.45713 (88041620)
-706.0	75.64329 (88043007)	57.70718 (88011320)	55.32574 (88100503)	48.51882 (88112322)	49.19241 (88121801)
-806.0	66.52437 (88043007)	50.67413 (88042004)	50.72231 (88120106)	46.33477 (88022802)	45.03341 (88121701)
-906.0	56.35508 (88043007)	45.97327 (88100805)	45.77377 (88121302)	42.45742 (88080123)	39.14727 (88112322)
-1006.0	47.47510 (88043007)	41.85260 (88012707)	40.96606 (88110124)	38.77994 (88080124)	39.80648 (88102504)
-1106.0	40.22158 (88043007)	38.33505 (88012705)	38.43974 (88031522)	38.00877 (88113001)	36.45905 (88121621)
-1206.0	35.41524 (88011106)	36.31575 (88012705)	36.05333 (88012208)	35.06792 (88031601)	33.76353 (88080123)
-1306.0	33.65931 (88011105)	33.97348 (88012705)	33.34126 (88040806)	33.13976 (88010424)	31.78285 (88042003)
-1406.0	31.77659 (88010602)	31.67619 (88122002)	30.96907 (88012607)	30.91008 (88031920)	31.02871 (88121723)
-1506.0	30.20173 (88010602)	30.09966 (88122002)	30.36963 (88012605)	29.73944 (88121705)	29.29257 (88121707)

\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	31.00180 (88092522)	30.28466 (88080521)	29.70269 (88071622)	28.53643 (88072322)	28.14834 (88062924)
794.0	31.78231 (88120820)	32.00164 (88082323)	29.88176 (88073002)	29.67964 (88111023)	29.86117 (88032122)
694.0	32.52635 (88080521)	34.20592 (88071721)	32.56780 (88072122)	30.38966 (88082322)	33.82275 (88070106)
594.0	37.14501 (88082321)	36.31327 (88072322)	31.44769 (88082322)	38.36888 (88070106)	31.07818 (88021123)
494.0	34.95945 (88071721)	32.10250 (88062924)	44.04507 (88070106)	32.55796 (88110520)	31.50534 (88110521)
394.0	43.03311 (88111023)	51.02736 (88070106)	37.96140 (88110520)	32.27111 (88110521)	31.60157 (88110519)
294.0	58.80030 (88070106)	44.05098 (88110520)	25.71745 (88110521)	34.17122 (88110519)	33.39349 (88022921)
194.0	49.54134 (88110520)	33.71130 (88110519)	37.96980 (88080721)	32.37304 (88070104)	36.26852 (88110522)
94.0	53.48863 (88110519)	33.41116 (88111323)	43.98211 (88110522)	35.13467 (88022922)	38.28642 (88041321)
-6.0	50.31900 (88110522)	50.83133 (88022922)	33.79324 (88041203)	34.02176 (88022721)	34.91711 (88022721)
-106.0	55.11351 (88022721)	52.27189 (88042721)	41.99736 (88042721)	26.64621 (88070107)	31.60043 (88110619)
-206.0	49.79563 (88111509)	39.09585 (88111509)	34.69462 (88021807)	35.22894 (88021807)	34.89848 (88021807)
-306.0	53.59594 (88021620)	36.21471 (88031305)	34.65850 (88032123)	32.58064 (88112423)	34.15778 (88112423)
-406.0	42.22601 (88070420)	34.11550 (88102921)	29.57373 (88072310)	36.61903 (88021620)	37.42839 (88021620)
-506.0	37.79219 (88063018)	31.82257 (88071519)	33.65381 (88080322)	26.02358 (88090508)	33.92737 (88030622)
-606.0	46.88909 (88121007)	34.83973 (88112820)	43.31438 (88111524)	34.07005 (88041123)	32.22276 (88080322)
-706.0	42.45908 (88101123)	44.04881 (88121007)	36.79850 (88110605)	34.78932 (88120119)	33.88493 (88041204)
-806.0	39.54641 (88102206)	41.14184 (88101123)	39.46287 (88121007)	35.90011 (88110605)	31.87198 (88111703)
-906.0	40.93457 (88040706)	37.64845 (88102206)	36.64371 (88101123)	34.83896 (88121007)	29.30579 (88042023)
-1006.0	34.62076 (88102021)	37.45164 (88121801)	31.79054 (88032022)	32.47692 (88010419)	30.82200 (88102119)
-1106.0	31.90233 (88112322)	32.99428 (88121623)	32.63984 (88021224)	30.80107 (88121803)	31.20392 (88010419)
-1206.0	33.23348 (88040704)	31.05574 (88100322)	31.28164 (88121724)	30.41842 (88021604)	30.76457 (88121803)
-1306.0	31.79714 (88011201)	27.76770 (88031924)	30.91165 (88121802)	30.23325 (88121703)	27.63124 (88102206)
-1406.0	30.50699 (88031620)	30.11859 (88022522)	28.91892 (88100322)	28.59114 (88121722)	28.58426 (88021224)
-1506.0	28.81615 (88022421)	28.34938 (88011201)	25.71008 (88031924)	27.47922 (88121802)	27.48799 (88121724)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	989.00	1089.00	1189.00	1389.00	
894.0	27.67532 (88070106)	27.14033 (88070106)	26.53988 (88021123)	24.09709 (88070302)	18.99985 (88110521)
794.0	30.14880 (88070106)	28.16718 (88021123)	26.69896 (88070302)	18.50194 (88110521)	13.04003 (88110519)
694.0	29.73246 (88021123)	28.67064 (88070302)	16.27125 (88110521)	19.48567 (88110519)	22.86898 (88090323)
594.0	29.14429 (88070302)	15.55118 (88102823)	24.92568 (88110519)	27.42327 (88090323)	26.81255 (88022921)
494.0	19.53926 (88110519)	26.09654 (88090323)	29.29276 (88012521)	27.11469 (88070104)	25.92237 (88110524)
394.0	32.13791 (88080721)	27.43986 (88022921)	27.45173 (88110524)	25.71423 (88090322)	24.94793 (88090322)
294.0	28.49726 (88070104)	29.98969 (88110522)	24.32586 (88110522)	22.65164 (88022922)	26.06588 (88041321)
194.0	21.93435 (88110522)	31.03434 (88022922)	30.56441 (88110620)	30.14879 (88041203)	22.50364 (88041203)
94.0	33.56970 (88041203)	20.55691 (88041203)	24.56913 (88022721)	28.16726 (88081402)	28.18390 (88081402)
-6.0	29.40374 (88110607)	32.99213 (88110607)	29.86725 (88042721)	25.23938 (88042721)	18.85090 (88042721)
-106.0	33.75325 (88110619)	31.86337 (88110619)	28.02549 (88110619)	29.26101 (88022220)	29.34746 (88022220)
-206.0	34.17292 (88021807)	33.19994 (88021807)	32.08264 (88021807)	30.89160 (88021807)	29.67479 (88021807)
-306.0	33.67756 (88041322)	31.65098 (88041322)	31.30984 (88072424)	29.57414 (88072424)	26.95207 (88072424)
-406.0	21.32644 (88021620)	20.48737 (88032123)	28.19195 (88032123)	30.58805 (88032123)	28.43084 (88032123)
-506.0	26.92097 (88102620)	31.85578 (88081421)	27.46803 (88021620)	26.89734 (88021620)	19.58382 (88021620)
-606.0	19.92231 (88080322)	27.78647 (88030622)	30.59650 (88102620)	25.27701 (88102620)	26.95448 (88081421)
-706.0	32.99690 (88041123)	29.25074 (88080322)	24.03089 (88080322)	17.27452 (88030622)	27.69810 (88030622)
-806.0	31.05514 (88072503)	27.65888 (88041204)	30.21718 (88041123)	26.09064 (88080322)	24.99975 (88080322)
-906.0	31.68526 (88112820)	30.97449 (88120119)	28.53356 (88041204)	21.22894 (88041123)	27.12867 (88041123)
-1006.0	23.06562 (88042023)	28.76962 (88112820)	25.61239 (88111703)	27.68444 (88072503)	27.18853 (88041204)
-1106.0	29.58424 (88102119)	17.39672 (88042023)	26.54281 (88042023)	27.14809 (88111703)	26.64741 (88120119)
-1206.0	29.36767 (88010419)	28.10647 (88102119)	17.25478 (88121007)	26.64930 (88042023)	25.85410 (88112820)
-1306.0	28.13827 (88121803)	27.34087 (88010419)	26.55181 (88102119)	18.18743 (88121007)	24.50129 (88042023)
-1406.0	27.47418 (88032022)	26.97805 (88021606)	25.31867 (88010419)	25.00407 (88102119)	18.49576 (88121007)
-1506.0	26.67505 (88021604)	24.57652 (88032022)	25.31754 (88021606)	23.37331 (88010419)	23.49718 (88102119)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	25.61413 (88111608)	23.81488 (88072202)	24.54538 (88052303)	19.42980 (88030414)	25.91338 (88030720)
794.0	27.76134 (88040301)	27.82258 (88111608)	26.21937 (88072202)	20.57165 (88030414)	18.69016 (88041206)
694.0	22.99739 (88033105)	29.64550 (88040301)	30.14424 (88052301)	27.25624 (88072202)	27.97912 (88052221)
594.0	25.12938 (88052324)	28.32815 (88033105)	31.22530 (88052402)	31.22141 (88052301)	33.14023 (88052303)
494.0	29.27385 (88062521)	30.97793 (88060901)	32.18298 (88033105)	33.53802 (88051104)	31.61892 (88052301)
394.0	30.13730 (88112605)	28.32092 (88052322)	29.54332 (88052204)	31.06267 (88033105)	35.59466 (88111603)
294.0	28.66796 (88061004)	31.25408 (88061502)	30.49947 (88112605)	32.89461 (88062521)	34.66902 (88050905)
194.0	25.83299 (88031206)	33.48035 (88031206)	33.09130 (88053124)	36.79947 (88060824)	37.14005 (88052322)
94.0	31.17687 (88032504)	28.10402 (88040204)	27.50161 (88081701)	39.15308 (88072004)	34.19403 (88112607)
-6.0	27.40804 (88060922)	29.48903 (88070801)	34.99504 (88013101)	39.16302 (88071905)	40.91588 (88040204)
-106.0	30.58222 (88070305)	31.41306 (88032224)	28.47621 (88060822)	32.78098 (88062023)	36.13854 (88032903)
-206.0	32.12993 (88060722)	33.00271 (88060722)	35.05081 (88013023)	37.81565 (88013023)	40.85509 (88013023)
-306.0	30.47407 (88053101)	31.52901 (88112507)	37.69178 (88052323)	41.33346 (88052323)	43.19316 (88100203)
-406.0	25.18548 (88050922)	32.88242 (88040205)	32.77137 (88070723)	38.81121 (88051521)	38.26840 (88061002)
-506.0	27.12599 (88011905)	33.43542 (88011907)	33.92196 (88122624)	39.56797 (88031204)	35.35774 (88122623)
-606.0	31.86112 (88100207)	33.50952 (88031204)	28.76064 (88030308)	38.17332 (88091505)	41.41589 (88081223)
-706.0	21.32703 (88030308)	30.82969 (88092801)	34.08088 (88091901)	35.35032 (88061601)	39.85656 (88070724)
-806.0	27.24266 (88091904)	30.39953 (88061224)	32.66021 (88122702)	33.37427 (88090304)	38.17541 (88100305)
-906.0	28.20966 (88061601)	27.01673 (88091102)	32.90901 (88091023)	33.89943 (88051623)	35.62386 (88011605)
-1006.0	26.08625 (88080507)	27.86979 (88090304)	31.52945 (88051623)	33.06973 (88011605)	32.94549 (88100202)
-1106.0	26.47021 (88100205)	29.23776 (88011603)	30.48194 (88122705)	30.53778 (88082721)	31.35497 (88040203)
-1206.0	26.47955 (88011603)	28.94268 (88122705)	29.08977 (88061901)	29.57849 (88092805)	30.04956 (88081001)
-1306.0	27.29850 (88122705)	27.56678 (88061901)	28.35287 (88080906)	28.72486 (88080502)	26.37175 (88011606)
-1406.0	25.31031 (88052203)	24.87279 (88081605)	25.78147 (88053102)	27.28827 (88062422)	28.97645 (88032407)
-1506.0	23.27173 (88091302)	25.01843 (88091204)	24.41383 (88120505)	25.13880 (88061504)	24.33420 (88031806)

\*\*MODELOPTs: CONC

RURAL FLAT                      DEFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S):            1407            , GEN03            ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	-511.00	-411.00	-311.00	-211.00	-111.00
894.0	22.13854 (88030418)	29.11101 (88012404)	29.86638 (88041202)	22.32896 (88032620)	29.43814 (88041422)
794.0	29.79541 (88030720)	31.55510 (88070301)	29.09746 (88041722)	32.69159 (88041421)	33.38829 (88032023)
694.0	30.23360 (88111605)	26.53399 (88030418)	34.09960 (88012404)	34.07556 (88041205)	34.24646 (88041122)
594.0	29.09944 (88052221)	33.76961 (88030720)	36.86044 (88111604)	34.52173 (88122308)	35.48022 (88030419)
494.0	38.00505 (88052303)	25.48630 (88030414)	33.23845 (88030418)	41.50231 (88041721)	35.24862 (88030419)
394.0	30.74563 (88052301)	32.86226 (88052303)	40.88247 (88071221)	37.23095 (88080901)	49.79501 (88041421)
294.0	34.27332 (88111603)	32.16903 (88072202)	48.83420 (88052221)	44.71566 (88030418)	45.71318 (88041201)
194.0	42.96790 (88052324)	40.55708 (88010110)	38.77571 (88123024)	44.41978 (88040218)	48.52498 (88120610)
94.0	44.34139 (88072201)	47.66792 (88060621)	45.71783 (88071708)	54.62991 (88011802)	63.74898 (88020221)
-6.0	31.94205 (88120710)	48.19341 (88053124)	63.95331 (88071222)	65.66383 (88062317)	80.50774 (88091511)
-106.0	51.98635 (88060922)	47.70528 (88070801)	70.27522 (88071905)	77.78010 (88011210)	115.91576 (88052322)
-206.0	46.66348 (88032902)	51.26123 (88060903)	59.49615 (88091707)	83.61571 (88060708)	138.52644 (88040408)
-306.0	35.37888 (88040406)	46.01332 (88051219)	53.13478 (88081119)	88.96761 (88061201)	119.26142 (88091703)
-406.0	50.45304 (88122624)	56.87910 (88122623)	55.91196 (88091904)	75.40723 (88092703)	88.43951 (88082618)
-506.0	46.56883 (88122701)	48.23613 (88061224)	59.36634 (88122622)	65.33372 (88081301)	74.20589 (88081205)
-606.0	42.61102 (88111822)	50.18326 (88061324)	54.33017 (88081201)	54.33760 (88061404)	65.11883 (88100105)
-706.0	41.70052 (88100305)	46.09676 (88090224)	49.66206 (88091221)	52.34214 (88062905)	50.02735 (88070604)
-806.0	40.10938 (88091103)	41.98478 (88091624)	41.31580 (88061401)	44.45650 (88092701)	50.00584 (88111804)
-906.0	37.76055 (88011604)	38.73716 (88091824)	40.89228 (88091902)	41.92810 (88060523)	44.83709 (88011522)
-1006.0	33.06334 (88053102)	37.56326 (88061503)	36.83630 (88052201)	39.29180 (88061221)	40.19395 (88011107)
-1106.0	34.07617 (88090303)	33.58978 (88092803)	32.33279 (88100105)	36.79744 (88091203)	36.67036 (88061724)
-1206.0	31.15047 (88032407)	33.04297 (88061023)	32.24396 (88060523)	33.15979 (88011223)	35.07481 (88061624)
-1306.0	28.02760 (88092803)	25.52354 (88092701)	29.59553 (88061221)	32.01178 (88052606)	32.52725 (88050622)
-1406.0	29.23341 (88060121)	25.37987 (88081706)	28.09041 (88020108)	30.70246 (88011107)	31.10357 (88011023)
-1506.0	26.81791 (88051303)	27.41495 (88051922)	28.45598 (88011223)	28.66792 (88060122)	30.40229 (88022504)



\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	31.58310 (88040220)	19.50774 (88090407)	26.63423 (88041021)	26.93867 (88122420)	27.32455 (88081921)
794.0	33.99513 (88091820)	21.94167 (88050423)	27.66840 (88041022)	24.57508 (88071722)	25.71123 (88042022)
694.0	33.78037 (88091820)	26.96030 (88050423)	33.38212 (88042021)	35.99114 (88072321)	27.94941 (88092522)
594.0	31.71713 (88122807)	33.37301 (88050423)	33.82310 (88122420)	38.12543 (88081921)	35.04508 (88092522)
494.0	38.40668 (88122119)	40.03870 (88122419)	36.62669 (88071821)	33.48469 (88071201)	38.39906 (88082021)
394.0	33.69704 (88123023)	46.72360 (88122419)	32.98871 (88111624)	44.79633 (88092522)	34.70022 (88082323)
294.0	45.01597 (88022620)	54.88376 (88032622)	48.25855 (88071722)	47.06460 (88082021)	41.84212 (88072122)
194.0	63.57156 (88050422)	52.16715 (88050423)	51.96067 (88111623)	46.98065 (88080419)	49.02439 (88072323)
94.0	75.43705 (88030419)	72.33118 (88122422)	64.82622 (88122116)	53.16555 (88070106)	47.77050 (88122504)
-6.0	107.92558 (88123019)	107.43613 (88112018)	91.93640 (88110505)	70.66073 (88122115)	45.60029 (88042604)
-106.0	202.10179 (88020219)	215.39638 (88112721)	129.51749 (88110317)	79.32515 (88111324)	57.04752 (88112016)
-206.0	635.04425 (88060923)	536.21655 (88101120)	104.33698 (88050417)	75.59056 (88082109)	49.87011 (88082109)
-306.0	218.14470 (88080822)	275.79517 (88102420)	116.86709 (88110417)	79.81664 (88101117)	61.99327 (88022316)
-406.0	107.73260 (88090920)	104.85001 (88070319)	85.52967 (88082509)	68.91698 (88110605)	52.09437 (88110402)
-506.0	78.53015 (88010605)	76.64191 (88050504)	65.92146 (88073020)	53.96640 (88041620)	42.49679 (88121007)
-606.0	66.81914 (88011119)	67.05603 (88101321)	59.28379 (88121702)	57.74070 (88121701)	39.93393 (88072508)
-706.0	60.48990 (88102007)	57.47065 (88042004)	55.25094 (88101220)	41.62257 (88101920)	44.48112 (88022724)
-806.0	56.72484 (88102007)	50.61155 (88122824)	50.65472 (88122901)	46.18222 (88102420)	43.91652 (88012221)
-906.0	50.53185 (88102007)	45.84948 (88022804)	45.40805 (88101306)	41.54877 (88102121)	35.33097 (88121619)
-1006.0	44.31473 (88102007)	41.34168 (88012122)	40.93283 (88120921)	34.45963 (88121723)	39.46401 (88102204)
-1106.0	39.10996 (88011106)	37.92399 (88121002)	38.14293 (88031023)	37.62973 (88110123)	36.33917 (88112819)
-1206.0	35.39435 (88120204)	35.97012 (88121002)	35.96227 (88113003)	34.91161 (88121624)	32.92908 (88121223)
-1306.0	32.95692 (88082801)	33.68395 (88121002)	33.11860 (88040622)	32.83160 (88040805)	31.31321 (88042724)
-1406.0	31.64123 (88011105)	31.57129 (88012705)	30.46644 (88040806)	30.47090 (88101821)	30.88648 (88121720)
-1506.0	29.73195 (88050605)	29.67994 (88022103)	30.34198 (88011120)	29.66707 (88031602)	29.26637 (88021222)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	28.98897 (88041120)	26.88179 (88071524)	26.51416 (88071721)	26.42265 (88073002)	21.97570 (88111023)
794.0	31.52925 (88080904)	30.07997 (88082321)	29.50977 (88092020)	28.71287 (88062924)	29.66141 (88110820)
694.0	31.45114 (88081922)	29.04126 (88071622)	31.39598 (88111023)	29.96312 (88072323)	30.56965 (88102319)
594.0	35.35323 (88082323)	31.07611 (88072122)	27.95365 (88070106)	33.15172 (88102319)	28.04165 (88110520)
494.0	33.50724 (88092020)	28.68580 (88111023)	34.97273 (88102319)	31.92544 (88021123)	26.88947 (88070302)
394.0	36.21126 (88072122)	38.49921 (88101819)	31.79169 (88021123)	21.10721 (88102823)	18.98991 (88110618)
294.0	42.38190 (88101819)	29.87454 (88021123)	24.78238 (88111018)	32.29924 (88080721)	28.64682 (88012521)
194.0	34.33104 (88111402)	27.92875 (88081418)	37.16658 (88041524)	26.05928 (88110524)	31.85338 (88090322)
94.0	43.52359 (88041524)	32.32870 (88070104)	33.32005 (88090322)	26.07468 (88072408)	36.29695 (88110620)
-6.0	37.88781 (88072620)	47.58120 (88041321)	33.53641 (88110620)	26.69901 (88071824)	32.67513 (88081402)
-106.0	47.68409 (88111517)	36.23322 (88111517)	32.26750 (88070107)	24.29971 (88051316)	31.19458 (88101820)
-206.0	35.43279 (88082109)	32.91449 (88021807)	31.42715 (88111509)	31.57073 (88012223)	31.10941 (88012223)
-306.0	46.54608 (88111401)	34.27347 (88122506)	27.85122 (88031305)	28.37614 (88032123)	31.73461 (88041322)
-406.0	33.49654 (88090508)	33.02147 (88090508)	29.42678 (88022316)	30.74588 (88081421)	22.18613 (88122506)
-506.0	34.82870 (88110409)	29.50936 (88041123)	24.76178 (88050501)	22.71800 (88070420)	32.92831 (88071502)
-606.0	29.10490 (88030502)	32.10656 (88111703)	30.72002 (88041204)	21.44716 (88071519)	21.22552 (88110318)
-706.0	35.58316 (88021606)	29.12091 (88102119)	30.97898 (88042023)	28.71334 (88072503)	29.02053 (88111524)
-806.0	35.80706 (88021604)	34.75750 (88050524)	31.23238 (88102119)	33.69363 (88042023)	25.79811 (88112820)
-906.0	40.90115 (88122923)	33.55910 (88032022)	33.36539 (88050524)	31.53294 (88102119)	28.76517 (88110605)
-1006.0	33.85443 (88010101)	34.65685 (88121703)	31.62315 (88032403)	31.65706 (88101123)	30.68791 (88121007)
-1106.0	31.35886 (88121619)	32.64593 (88013120)	31.58546 (88042922)	24.71046 (88032022)	27.25928 (88050524)
-1206.0	33.23348 (88112321)	30.09544 (88102021)	30.84062 (88121722)	29.25967 (88102206)	26.27917 (88021606)
-1306.0	31.38397 (88040801)	27.57517 (88041124)	30.56864 (88022521)	30.21043 (88121721)	27.19706 (88032022)
-1406.0	30.04809 (88050505)	29.99537 (88031520)	25.78594 (88031924)	28.16825 (88102423)	27.94109 (88042922)
-1506.0	28.09625 (88012601)	27.96543 (88110203)	25.56670 (88041124)	27.23164 (88022521)	25.15329 (88121722)

\*\*MODELOPTs: CONC

RURAL FLAT                      DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)							
	989.00	1089.00	1189.00	1289.00	1389.00			
894.0	27.39425 (88032122)	25.62995 (88102320)	23.16277 (88040821)	15.90900 (88110520)	17.27383 (88070302)			
794.0	27.83137 (88102319)	23.97402 (88040821)	17.89445 (88110521)	14.86519 (88102823)	11.14454 (88111518)			
694.0	24.56613 (88040821)	22.38570 (88110521)	15.67688 (88102823)	12.47263 (88110618)	21.17438 (88080721)			
594.0	27.31469 (88110521)	15.51243 (88110918)	15.14385 (88090323)	26.01570 (88080721)	22.75320 (88012521)			
494.0	15.76832 (88111518)	26.04982 (88080721)	28.02186 (88022921)	20.68243 (88022921)	20.70117 (88070104)			
394.0	31.07330 (88012521)	26.37015 (88070104)	24.33751 (88070104)	25.10183 (88110522)	23.88036 (88110522)			
294.0	27.96443 (88110524)	28.87675 (88090322)	24.08653 (88090322)	16.35208 (88041321)	23.51218 (88022922)			
194.0	20.09428 (88090322)	28.25326 (88041321)	30.52188 (88110523)	25.33055 (88101121)	16.11006 (88042424)			
94.0	29.49282 (88110620)	19.70118 (88042424)	20.00671 (88081402)	24.13183 (88022721)	19.99158 (88110607)			
-6.0	29.23890 (88081402)	32.65975 (88022920)	27.70171 (88110607)	19.55785 (88110607)	13.46048 (88070107)			
-106.0	33.37626 (88101820)	31.55022 (88101820)	27.78073 (88101820)	23.68042 (88110619)	19.57999 (88110619)			
-206.0	30.32526 (88012223)	29.34586 (88012223)	28.25887 (88012223)	27.12351 (88012223)	25.97925 (88012223)			
-306.0	30.06683 (88112423)	31.30278 (88072424)	27.74640 (88041322)	23.37664 (88041322)	22.74865 (88082102)			
-406.0	20.77032 (88122506)	18.45358 (88031305)	18.39149 (88121818)	18.30582 (88121818)	21.54629 (88112423)			
-506.0	26.36572 (88081822)	17.77147 (88021620)	24.99638 (88081421)	17.74079 (88122218)	15.05463 (88122218)			
-606.0	18.69107 (88090508)	27.17126 (88071502)	30.11204 (88081822)	24.91447 (88081822)	13.08863 (88102620)			
-706.0	15.56436 (88071519)	18.70925 (88110318)	16.51508 (88110318)	16.97362 (88071502)	27.25639 (88071502)			
-806.0	29.68533 (88111524)	18.07583 (88041123)	11.91867 (88071519)	16.34390 (88110318)	15.46017 (88110318)			
-906.0	29.05433 (88111703)	26.50126 (88072503)	25.55441 (88111524)	20.77536 (88041204)	10.43510 (88080322)			
-1006.0	21.24324 (88110605)	22.90552 (88042023)	24.73551 (88120119)	23.52143 (88120119)	18.63910 (88111524)			
-1106.0	27.10545 (88121007)	15.48244 (88121007)	22.71103 (88110605)	24.03147 (88112820)	23.24774 (88072503)			
-1206.0	24.17091 (88050524)	24.05721 (88121007)	12.93224 (88042023)	22.00656 (88110605)	23.54025 (88111703)			
-1306.0	27.56027 (88021606)	21.39472 (88050524)	21.47145 (88121007)	11.35968 (88102119)	19.68672 (88110605)			
-1406.0	27.38808 (88032403)	26.97805 (88121719)	18.96840 (88050524)	19.28842 (88121007)	12.61531 (88102119)			
-1506.0	24.52258 (88021224)	24.50798 (88032403)	25.31754 (88121719)	16.85690 (88050524)	17.43735 (88121007)			

\*\*MODELOPTs: CONC

RURAL FLAT                      DEFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S):            1407            , GEN03            ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	5.50558c(88052308)	6.67747c(88052224)	6.61085c(88052224)	5.30275(88030416)	5.98507c(88030724)
794.0	9.31249c(88052408)	5.85019c(88052308)	7.65760c(88052224)	6.48535c(88052224)	5.78905(88030416)
694.0	3.83574c(88041108)	9.96200c(88052408)	6.23940c(88111608)	8.66577c(88052224)	6.10366c(88052224)
594.0	5.60041c(88060908)	4.72539c(88041108)	10.51464c(88052408)	7.13489(88011808)	9.56038c(88052224)
494.0	7.84391c(88052208)	6.63469c(88060908)	5.36919c(88041108)	10.82561c(88052408)	8.56856(88011808)
394.0	8.94746c(88112608)	9.88012c(88112608)	7.75879c(88052208)	5.35889(88011824)	10.64884c(88052408)
294.0	4.63884c(88032908)	6.53721c(88011908)	11.41213c(88112608)	10.03543c(88052208)	7.42067c(88060908)
194.0	5.52773(88012424)	7.03421(88012424)	6.10699(88012424)	8.42658c(88011908)	14.08592c(88112608)
94.0	9.37659c(88032908)	7.76589c(88032908)	5.02529(88012424)	8.76600(88012424)	9.06822(88012424)
-6.0	6.10628c(88031208)	6.03242c(88013108)	9.37431c(88013108)	11.92832c(88032908)	12.67819c(88032908)
-106.0	6.66214c(88033008)	6.42707c(88070324)	7.35596c(88070324)	8.87903c(88031208)	10.92498c(88031208)
-206.0	7.98367c(88013024)	8.75385c(88013024)	9.66420c(88013024)	10.77958c(88013024)	12.17572c(88013024)
-306.0	5.25343c(88070308)	5.84309c(88053108)	6.44684c(88112508)	9.18936(88033108)	11.49774(88033108)
-406.0	5.98363(88033108)	5.46380c(88050924)	5.69939c(88051524)	6.46853c(88051524)	11.68028c(88011908)
-506.0	6.29825c(88011908)	9.80602c(88011908)	8.91217c(88080908)	10.13992c(88122624)	7.03589c(88030308)
-606.0	7.19204c(88122624)	7.65124c(88122624)	5.09715c(88112424)	6.62500c(88122708)	8.97634(88091908)
-706.0	4.54580c(88112424)	5.53772c(88122708)	8.52549(88091908)	6.23574(88091524)	8.26309(88111824)
-806.0	6.80737(88091908)	4.77953c(88081224)	7.01979(88091524)	6.86242(88040208)	11.22680(88100308)
-906.0	4.75760c(88041108)	6.22399(88091524)	6.97173(88040208)	10.04329(88100308)	10.14149(88081208)
-1006.0	5.09980(88111824)	6.25873(88040208)	8.84433(88100308)	8.69947(88081208)	9.29170(88100108)
-1106.0	5.29530(88100308)	7.75863(88100308)	7.53601(88081208)	7.67028(88091124)	13.13854(88100108)
-1206.0	6.81875(88100308)	6.59152(88081208)	6.27539(88091124)	13.16701(88100108)	8.67160c(88061408)
-1306.0	5.82202(88081208)	5.70185c(88032308)	11.20113(88100108)	6.63559c(88053108)	10.05236(88061308)
-1406.0	5.26809c(88032308)	8.76416(88100108)	8.13841(88100108)	7.52136c(88061408)	11.95057(88061308)
-1506.0	6.61035(88100108)	9.35562(88100108)	6.36267c(88061408)	10.37988(88061308)	5.85277(88092808)

\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	6.19252 (88030916)	8.01038c(88041724)	9.09441 (88041208)	5.23774c(88041424)	5.17514 (88050424)
794.0	7.79306c(88030724)	6.93913 (88030916)	10.32356c(88041724)	7.04529c(88041424)	5.92101 (88050424)
694.0	5.76321 (88030416)	7.79586 (88030916)	12.17234c(88041724)	11.62823 (88041208)	6.31818 (88050424)
594.0	7.06407 (88030416)	8.90594c(88030724)	8.79363 (88030916)	11.70334 (88041208)	6.81460 (88021916)
494.0	10.14731c(88052224)	8.15378 (88030416)	10.46155 (88030916)	15.01038c(88041724)	8.64269 (88021916)
394.0	10.58893 (88011808)	10.30156c(88052224)	8.86427 (88030916)	11.80857 (88030916)	12.51437 (88042408)
294.0	9.63551c(88052408)	13.40184 (88011808)	10.49759 (88030416)	15.82089 (88030916)	19.16559 (88042408)
194.0	9.54211 (88011824)	11.37816 (88011808)	17.11849 (88011808)	14.00710 (88030416)	20.78319 (88042408)
94.0	11.33577c(88011908)	16.83922c(88060624)	15.37714 (88011824)	21.17039 (88011808)	29.22152 (88030916)
-6.0	8.82692 (88012424)	14.37920 (88012424)	21.37439 (88011824)	27.83160 (88011824)	20.70476 (88011808)
-106.0	10.59908c(88031208)	11.31003c(88013108)	22.87636c(88032908)	21.43225 (88040108)	62.99979 (88011824)
-206.0	13.93877c(88013024)	16.22193c(88013024)	19.44147c(88013024)	25.79562c(88013024)	41.80928c(88013024)
-306.0	10.52140 (88033108)	11.49845 (88091708)	16.52242 (88060616)	22.97918c(88070208)	29.55076 (88070508)
-406.0	11.24050c(88030308)	12.13502c(88070208)	16.51003 (88070508)	21.20920 (88091008)	40.40953 (88010708)
-506.0	9.72078 (88070508)	9.33213 (88091524)	13.27201 (88091008)	19.61079 (88060424)	32.01258 (88061308)
-606.0	11.18108 (88091524)	11.56850 (88100308)	16.11760 (88081208)	23.07525c(88061408)	19.49844 (88010624)
-706.0	12.02579 (88100308)	14.03194 (88081208)	19.25110 (88100108)	18.12573 (88061308)	17.21787 (88010308)
-806.0	11.92127 (88081208)	20.06219 (88100108)	17.22545 (88061308)	12.27663 (88111824)	18.20633 (88010508)
-906.0	14.38432 (88100108)	12.88914c(88061408)	11.92757 (88061308)	10.77095 (88052624)	24.48026c(88052608)
-1006.0	9.95321 (88091624)	17.56642 (88061308)	10.87862 (88111824)	8.91809 (88052624)	19.71178c(88011024)
-1106.0	10.08707c(88061408)	8.61008 (88061308)	8.06311c(88060208)	8.96519 (88010508)	17.68769c(88011024)
-1206.0	14.84832 (88061308)	9.13828 (88111824)	7.92244 (88092724)	13.76610 (88011108)	14.88776c(88011024)
-1306.0	6.76836 (88092808)	7.79862c(88060208)	6.24290 (88052624)	17.25154 (88011108)	12.12630c(88011024)
-1406.0	7.62641 (88111824)	5.74435 (88092724)	5.97159c(88052524)	16.36579 (88011108)	12.30408c(88010608)
-1506.0	6.76190c(88060208)	6.08213 (88092724)	7.91027 (88011108)	14.34244c(88011024)	12.57065c(88010608)

\*\*MODELOPTs: CONC

RURAL FLAT

DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

\*\*

Y-COORD (METERS)	X-COORD (METERS)	X-COORD (METERS)	X-COORD (METERS)	X-COORD (METERS)	
-11.00	89.00	189.00	289.00	389.00	
894.0	6.65914c(88122808)	8.19941c(88123016)	7.78959c(88041024)	6.24220c(88071724)	6.27017c(88071724)
794.0	6.90891c(88122808)	9.47836c(88123016)	8.07268c(88041024)	9.51685c(88071724)	6.09818c(88122508)
694.0	7.02117 (88123024)	11.08926c(88123016)	8.14056 (88122424)	12.01129c(88071724)	5.27060c(88122508)
594.0	8.35063 (88123024)	13.27357c(88123016)	9.01069 (88122424)	9.80970c(88071724)	8.18052c(88090324)
494.0	10.04747 (88123024)	16.20652c(88123016)	8.92448 (88122424)	9.79875c(88122508)	9.06006c(88081924)
394.0	12.15617 (88123024)	20.07040c(88123016)	12.43257c(88071724)	7.46605c(88092524)	11.20898c(88082324)
294.0	14.64533 (88123024)	25.03204c(88123016)	16.59169c(88071724)	11.26718c(88081924)	9.74836c(88090508)
194.0	17.23531 (88123024)	30.61608c(88123016)	18.42763c(88122508)	14.48199c(88090508)	17.42247 (88110508)
94.0	20.15167 (88042308)	33.27356c(88123016)	14.98427 (88091916)	21.97787 (88110508)	15.15546 (88110524)
-6.0	56.46949 (88042408)	34.74881 (88090424)	28.18199 (88110424)	20.29076 (88040616)	8.69480 (88042416)
-106.0	78.37230 (88030916)	61.71914c(88071124)	42.10760 (88042416)	15.53247c(88111324)	11.33622c(88070108)
-206.0	161.16339c(88013024)	190.15582 (88070116)	38.99600 (88070116)	21.20863 (88070116)	13.47498 (88070116)
-306.0	117.40963c(88061408)	96.69780c(88022808)	20.87304c(88063024)	14.35652c(88111308)	9.93088c(88072708)
-406.0	58.75770 (88010308)	54.18008 (88100508)	21.67231c(88112024)	12.01914c(88063024)	14.44259c(88071524)
-506.0	55.76245 (88010816)	41.63061 (88101308)	16.87570c(88073024)	14.93237c(88112024)	7.62123c(88063024)
-606.0	40.95807 (88010816)	31.23607c(88120924)	20.47616c(88030624)	17.40053c(88121624)	10.61219c(88112024)
-706.0	25.83747 (88010816)	28.64495c(88120924)	14.56583c(88080124)	12.84136c(88112324)	13.91914 (88121724)
-806.0	23.59144c(88010608)	24.10032c(88120924)	19.53636c(88042824)	20.28194c(88030624)	14.34090c(88121624)
-906.0	21.50664c(88111208)	19.79321c(88120924)	19.08137 (88100408)	14.24989c(88030624)	9.90562c(88112324)
-1006.0	21.92479c(88111208)	17.30660c(88012708)	20.46941 (88101308)	12.04924c(88080124)	13.27231c(88030624)
-1106.0	21.03259c(88111208)	16.73283c(88012708)	20.89023 (88101308)	11.87640c(88121708)	16.37848c(88030624)
-1206.0	19.57994c(88111208)	15.88736c(88012708)	18.82964 (88101308)	15.74262c(88042824)	10.56480c(88030624)
-1306.0	18.05052 (88082808)	14.95295c(88012708)	16.01926 (88101308)	15.11214c(88042824)	9.64388c(88080124)
-1406.0	16.88145 (88082808)	14.26817 (88040724)	14.33218 (88040808)	13.21858 (88100408)	7.96017c(88042724)
-1506.0	15.66536 (88082808)	13.57137 (88040724)	12.87922 (88040808)	13.20842 (88100408)	10.57287c(88121708)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	5.16697c(88092524)	6.65484c(88080524)	5.86828c(88082324)	4.75343c(88092024)	7.46118c(88062924)
794.0	8.44698c(88090324)	8.92542c(88082324)	7.19226c(88092024)	7.36220c(88062924)	11.59136c(88110824)
694.0	7.60965c(88080524)	7.13810c(88092024)	5.91076c(88062924)	11.12919c(88110824)	11.10055c(88102324)
594.0	10.42540c(88082324)	6.06024c(88092024)	9.41645c(88110824)	11.59710c(88102324)	5.82485 (88110524)
494.0	9.37652c(88092024)	10.00504c(88062924)	11.79459c(88102324)	6.87586 (88110524)	5.93835 (88110524)
394.0	9.55757c(88062924)	12.62452c(88110824)	8.23963 (88110524)	5.85342 (88110524)	5.04413 (88110524)
294.0	15.33563c(88110824)	10.03349 (88110524)	5.78450c(88111024)	6.57778c(88080724)	4.77447c(88012524)
194.0	12.37787 (88110524)	6.88337 (88110524)	7.69694c(88080724)	5.91668 (88110524)	8.38761 (88110524)
94.0	9.56223 (88110524)	6.76769c(88111324)	9.33722 (88110524)	4.83528c(88111324)	6.65065c(88101124)
-6.0	9.92272c(88111324)	7.93020c(88041324)	5.73797c(88101124)	5.48075c(88070108)	6.00533 (88022724)
-106.0	11.63608c(88070108)	9.33278c(88070108)	7.06710c(88070108)	5.25997c(88070108)	5.27559c(88110624)
-206.0	9.35604 (88070116)	7.70359c(88120324)	6.41983c(88120324)	5.87149c(88021808)	5.81641c(88021808)
-306.0	8.93266c(88021624)	6.03578c(88031308)	4.95121c(88032124)	5.43011c(88112424)	5.69296c(88112424)
-406.0	7.82937c(88111308)	5.68592c(88102924)	4.99723c(88063024)	6.10317c(88021624)	6.23807c(88021624)
-506.0	8.96784c(88063024)	8.43068c(88071524)	5.60897c(88080324)	4.33726c(88090508)	5.65456c(88030624)
-606.0	7.81485c(88121008)	5.80662c(88112824)	7.21906c(88111524)	5.33898c(88071524)	5.37046c(88080324)
-706.0	7.38978c(88112024)	7.34147c(88121008)	6.13308c(88110608)	5.79972c(88120124)	4.83676c(88111524)
-806.0	9.72704c(88042924)	6.85697c(88101124)	6.57714c(88121008)	5.98335c(88110608)	5.31200c(88111708)
-906.0	14.14786 (88121724)	5.59132c(88072424)	6.10729c(88101124)	5.80649c(88121008)	4.79419c(88110608)
-1006.0	10.93399c(88121624)	12.45855 (88121724)	5.27053c(88032408)	5.41282c(88010424)	5.11465c(88121008)
-1106.0	8.28029c(88031924)	10.15057c(88122924)	10.51984c(88042924)	5.25219c(88121808)	5.20065c(88010424)
-1206.0	10.34338c(88112324)	8.57396c(88121624)	12.42461 (88121724)	7.68079c(88042924)	5.16816c(88121808)
-1306.0	14.00763c(88030624)	7.52787c(88031924)	8.98125c(88121624)	10.58422 (88121724)	4.60011c(88042924)
-1406.0	12.41245c(88030624)	9.00523c(88112324)	6.93112c(88121624)	9.61808 (88121724)	9.30822c(88042924)
-1506.0	8.19202c(88030624)	10.51692c(88030624)	6.77816c(88031924)	7.63799c(88121624)	10.47792 (88121724)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00	1389.00
894.0	11.17479c(88110824)	9.79350c(88102324)	4.70683c(88102324)	4.60677 (88110524)	3.31725 (88110524)
794.0	10.46850c(88102324)	4.84416c(88102324)	5.00478 (88110524)	3.24368 (88110524)	2.56879 (88110524)
694.0	5.00144 (88110524)	5.40665 (88110524)	3.15875 (88110524)	3.17300 (88110524)	3.98363c(88080724)
594.0	5.75150 (88110524)	3.28443c(88110924)	3.82160 (88110524)	4.81930c(88080724)	3.79220c(88012524)
494.0	3.83632 (88110524)	5.00545c(88080724)	4.88213c(88012524)	4.52001c(88070108)	5.01670 (88110524)
394.0	6.08337c(88080724)	4.39587c(88070108)	5.42199 (88110524)	6.56546 (88110524)	4.35614 (88110524)
294.0	5.75355 (88110524)	7.43219 (88110524)	4.28234 (88110524)	2.84679 (88022924)	4.34431c(88041324)
194.0	3.95432 (88110524)	4.70888c(88041324)	5.81977c(88101124)	4.75701c(88101124)	2.81296 (88041208)
94.0	5.35775c(88101124)	2.97901c(88070108)	3.86659 (88022724)	4.69454c(88081408)	4.69732c(88081408)
-6.0	6.06081 (88022924)	6.46808 (88022924)	5.50512 (88022924)	4.10671 (88022924)	2.86382 (88022924)
-106.0	5.62874c(88110624)	5.31134c(88110624)	4.67106c(88110624)	4.87683c(88022224)	4.89124c(88022224)
-206.0	5.69549c(88021808)	5.53332c(88021808)	5.34711c(88021808)	5.14860c(88021808)	4.94580c(88021808)
-306.0	5.61293c(88041324)	5.27516c(88041324)	5.21831c(88072424)	4.92902c(88072424)	4.49201c(88072424)
-406.0	3.55441c(88021624)	3.07560c(88031308)	4.02742c(88032124)	4.36972c(88032124)	4.06155c(88032124)
-506.0	4.48683c(88102624)	3.98197 (88081424)	4.57801c(88021624)	4.48289c(88021624)	3.26397c(88021624)
-606.0	3.32039c(88080324)	4.63108c(88030624)	5.09942c(88102624)	4.21283c(88102624)	3.36931 (88081424)
-706.0	4.13287 (88041124)	4.87512c(88080324)	4.00515c(88080324)	2.87909c(88030624)	4.61635c(88030624)
-806.0	5.17606c(88072508)	3.45736 (88041208)	3.78393 (88041124)	4.34844c(88080324)	4.16663c(88080324)
-906.0	5.28088c(88112824)	5.16304c(88120124)	4.25907c(88111524)	2.65488 (88041124)	3.39677 (88041124)
-1006.0	3.54054c(88110608)	4.79494c(88112824)	4.26873c(88111708)	4.61419c(88072508)	3.39857 (88041208)
-1106.0	4.51758c(88121008)	2.58041c(88121008)	3.79183c(88042024)	4.52468c(88111708)	4.44150c(88120124)
-1206.0	4.89461c(88010424)	4.01521c(88102124)	2.87580c(88121008)	3.80704c(88042024)	4.30902c(88112824)
-1306.0	4.70505c(88121808)	4.55681c(88101424)	3.79312c(88102124)	3.03124c(88121008)	3.50018c(88042024)
-1406.0	4.56468c(88032408)	4.42083c(88102624)	4.21978c(88010424)	3.57201c(88102124)	3.08263c(88121008)
-1506.0	8.00645c(88042924)	4.08466c(88032408)	4.15649c(88102624)	3.89555c(88010424)	3.35674c(88102124)



\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	5.45076c(88111608)	4.14770 (88011808)	4.13710c(88052308)	4.21063c(88040424)	5.32234c(88031308)
794.0	5.96809c(88111608)	5.83866c(88111608)	4.59547 (88011808)	4.44857 (88030416)	3.74517c(88032824)
694.0	3.72996c(88052408)	6.35489c(88111608)	6.19327c(88052308)	5.12301c(88052308)	5.75715c(88040424)
594.0	4.18468 (88052324)	3.98442c(88010116)	6.70276c(88111608)	6.62812c(88111608)	5.99982c(88052308)
494.0	6.31975c(88112608)	5.02818 (88052324)	4.36446c(88062724)	6.93674c(88111608)	6.95358c(88111608)
394.0	5.33016 (88051024)	7.85265c(88060624)	6.23343c(88060908)	5.18326c(88041108)	7.95672 (88011808)
294.0	4.42416 (88012424)	5.76312c(88112608)	7.48713c(88060624)	8.78072c(88112608)	6.93196 (88011824)
194.0	4.50080c(88031208)	5.74802c(88112608)	5.10865c(88032908)	7.59890c(88112608)	11.88477c(88060624)
94.0	6.00526c(88013108)	5.12641c(88081708)	4.76444 (88040108)	6.86964c(88031208)	6.39330c(88112608)
-6.0	4.52918c(88032908)	5.72886c(88100124)	6.99056c(88032908)	10.18334c(88013108)	7.51073 (88040108)
-106.0	6.21132c(88061208)	5.66369c(88061208)	6.52942c(88031208)	7.89222c(88070324)	7.41475c(88070324)
-206.0	5.35499c(88060724)	5.50045c(88060724)	5.82969 (88091508)	6.32533 (88091508)	6.90989c(88061208)
-306.0	5.07901c(88053108)	5.25484c(88112508)	6.32397 (88033108)	6.89087c(88112508)	7.73474c(88071908)
-406.0	4.37653 (88091708)	5.31246c(88070724)	5.47627 (88091708)	5.52202 (88060616)	10.77502c(88080908)
-506.0	4.70496c(88080908)	9.28785c(88080908)	7.48794c(88011908)	8.88636c(88030308)	6.70122c(88070208)
-606.0	6.61453c(88030308)	6.62784c(88030308)	4.79344c(88030308)	6.50442 (88070508)	8.44137 (88070508)
-706.0	3.55451c(88030308)	5.12719c(88050724)	6.86466 (88070508)	6.14711c(88050408)	7.90704 (88091524)
-806.0	5.65059c(88080224)	4.75404c(88080508)	5.64714 (88081308)	6.28346c(88092708)	8.17720c(88070724)
-906.0	4.70161c(88061608)	5.23502 (88111824)	5.52890c(88091024)	7.00852c(88070724)	7.99010 (88060608)
-1006.0	4.91016c(88070408)	4.74917c(88091024)	5.99759c(88070724)	7.08353 (88060608)	8.94004 (88091124)
-1106.0	5.28812 (88040208)	5.15913c(88070724)	6.34760 (88060608)	6.35649c(88032308)	11.50731 (88091624)
-1206.0	4.57811c(88062708)	5.74097 (88060608)	6.07750c(88032308)	10.89428 (88091624)	6.51472c(88053108)
-1306.0	5.23430 (88060608)	5.05655 (88091124)	9.09521 (88091624)	6.14593 (88091624)	9.10802c(88061508)
-1406.0	4.74089 (88081208)	7.08353 (88091624)	7.36325 (88091624)	6.19723 (88090308)	9.05287c(88061508)
-1506.0	5.45590 (88091124)	7.79214 (88091624)	5.47054c(88053108)	8.94487c(88061508)	5.34870c(88081324)

\*\*MODELOPTs: CONC

RURAL FLAT                      DEFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S):            1407       ,       GEN03       ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	-511.00	-411.00	-311.00	-211.00	-111.00
894.0	5.06658c(88030724)	6.20053 (88020224)	7.00594 (88042408)	4.77748 (88021916)	4.97966c(88041424)
794.0	7.01767c(88031308)	6.10315 (88020224)	7.20419 (88042408)	6.45748 (88042408)	5.84329c(88041424)
694.0	5.37740c(88071224)	6.30677c(88030724)	7.21045 (88040224)	8.68829 (88042408)	5.99779c(88041424)
594.0	6.30990c(88040424)	8.44600c(88031308)	7.44396 (88020224)	10.53327 (88042408)	5.87560c(88041424)
494.0	6.52992c(88052308)	5.78047c(88032824)	8.18120c(88030724)	11.11670 (88042408)	7.95406c(88041424)
394.0	7.11293c(88111608)	6.97595 (88030416)	8.74906c(88030724)	10.00625c(88041724)	12.01929c(88041424)
294.0	9.55890 (88011808)	8.10667c(88052224)	10.23349c(88040424)	11.33525c(88030724)	15.42573 (88041208)
194.0	8.80733c(88052208)	9.49968 (88011824)	10.17896c(88052224)	11.12578c(88032824)	19.71861c(88041724)
94.0	10.66796 (88011824)	14.31363 (88011824)	12.86355 (88011808)	13.00826c(88052224)	18.48526c(88010116)
-6.0	8.73475 (88040108)	8.76212 (88011708)	18.61136c(88060624)	20.37002c(88062324)	20.24459 (88040316)
-106.0	8.17835c(88032908)	10.54901c(88032908)	18.09609 (88040108)	20.53617 (88012424)	62.41732c(88060624)
-206.0	8.28982c(88061208)	10.21472c(88061208)	13.11198c(88061208)	18.30257 (88091008)	38.67154c(88012916)
-306.0	8.76801c(88071908)	10.14376 (88060616)	10.18333 (88090224)	22.06964c(88030308)	25.71284 (88111908)
-406.0	10.46239c(88080908)	11.97841c(88122624)	13.95624 (88091908)	19.11101c(88092708)	34.74989 (88060424)
-506.0	7.85986c(88122708)	9.12467c(88050408)	10.92841c(88070724)	17.40709c(88032308)	24.13602 (88010316)
-606.0	7.75623 (88111824)	10.29435c(88070724)	13.33076c(88032308)	21.79690 (88010708)	18.90913 (88010316)
-706.0	9.38020c(88070724)	10.58681 (88060608)	19.23528 (88091624)	13.73484c(88061508)	14.80058 (88052624)
-806.0	9.13221 (88060608)	18.02307 (88091624)	14.65766c(88061508)	11.78274 (88010624)	16.88845c(88052608)
-906.0	12.71243 (88091624)	10.10991 (88010708)	9.31639 (88111824)	10.65687 (88092724)	21.71230 (88011108)
-1006.0	9.70087 (88100108)	14.17969c(88061508)	8.12436c(88060208)	8.46198 (88010308)	19.64429c(88052608)
-1106.0	7.95481 (88061308)	7.88829 (88092808)	8.00043c(88062808)	8.32401c(88111724)	13.54342c(88052608)
-1206.0	11.54079c(88061508)	6.08734c(88060208)	7.47762 (88052624)	12.76023c(88052608)	10.98114 (88010816)
-1306.0	6.57774 (88061308)	6.39487c(88062808)	6.21591 (88092724)	15.94373c(88052608)	11.33798c(88010608)
-1406.0	5.18825 (88092808)	5.70820 (88061124)	5.54315 (88052624)	14.88140c(88052608)	9.83879c(88080308)
-1506.0	5.05154c(88062808)	5.57384 (88052624)	7.40533 (88010508)	13.50149 (88011108)	9.79444c(88062408)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
INCLUDING SOURCE(S): 1407 , GEN03 , \*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	5.33155c(88122124)	6.67515 (88122424)	7.35074 (88122424)	4.92314c(88071624)	6.14453 (88112724)
794.0	6.02895 (88123024)	7.89097 (88122424)	7.57245 (88122424)	6.34657c(88071924)	5.68226c(88071208)
694.0	6.91658c(88122808)	9.43983 (88122424)	7.75623c(88042024)	8.20800c(88071924)	4.79635c(88071208)
594.0	6.88024c(88122124)	11.46969 (88122424)	7.30278 (88071824)	9.03598c(88122508)	5.84085c(88092524)
494.0	6.93371 (88112624)	14.09016 (88122424)	6.55967c(88122508)	6.98672c(88082924)	8.83482c(88080524)
394.0	8.98715 (88112624)	17.35252 (88122424)	10.18540c(88122508)	7.33185c(88122508)	7.59664 (88090424)
294.0	11.89411 (88112624)	21.01402 (88122424)	15.73797c(88122508)	10.61431c(88080524)	8.63309c(88072124)
194.0	15.73844 (88112624)	24.16917 (88122424)	13.85900 (88111624)	11.75301c(88092024)	16.58090c(88110824)
94.0	20.02976 (88123024)	25.64890 (88090424)	14.93303c(88072124)	20.58425 (88110424)	13.01940 (88040616)
-6.0	33.06852 (88042316)	33.03174 (88080316)	25.72332 (88102716)	17.00893 (88110524)	8.47029c(88080724)
-106.0	69.93061c(88041724)	57.43567c(88072224)	25.52852 (88040616)	12.74811c(88080124)	7.13094 (88112016)
-206.0	145.69661c(88061208)	97.68272 (88102116)	21.26423 (88082116)	13.86889 (88082116)	10.58718c(88120324)
-306.0	114.19439 (88010708)	74.61765c(88102124)	17.62023c(88091816)	13.68571c(88070424)	9.73700 (88072316)
-406.0	52.78366 (88010808)	53.76549 (88103124)	19.11858 (88022716)	11.49177c(88110608)	13.19606c(88063024)
-506.0	47.91264 (88010924)	34.37592 (88100508)	16.36115c(88112324)	8.73649c(88072424)	7.08280c(88121008)
-606.0	29.36010 (88010924)	26.37354 (88103024)	19.13015c(88080124)	15.56741c(88122924)	7.99774c(88072424)
-706.0	25.50021c(88010608)	21.34379 (88103024)	14.22654 (88111416)	9.52189c(88030108)	9.94519c(88042924)
-806.0	18.62187c(88111208)	19.08412 (88122824)	19.22011c(88101924)	15.10478c(88102424)	10.46314c(88122924)
-906.0	19.54220c(88010608)	17.30782c(88012708)	18.33040c(88101924)	13.74061c(88080124)	8.85650c(88031924)
-1006.0	19.23146 (88082808)	16.27847c(88120924)	19.17351 (88100408)	9.84049c(88042724)	11.14006c(88112324)
-1106.0	19.54279 (88082808)	16.02791 (88040724)	17.03798 (88100508)	10.60478c(88042824)	9.93597c(88102424)
-1206.0	19.02335 (88082808)	15.55412 (88040724)	14.55016 (88040808)	14.02056c(88121708)	10.39458c(88080124)
-1306.0	17.96774c(88111208)	14.94416 (88040724)	15.05522 (88040808)	12.98131c(88031608)	7.83779c(88012608)
-1406.0	16.38895c(88111208)	14.16857 (88042808)	13.31959 (88101308)	11.62519c(88042824)	7.75380c(88121708)
-1506.0	14.92702c(88111208)	13.50867 (88042808)	12.47217c(88120924)	11.44712 (88101308)	9.46166c(88042824)

\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	4.81696c(88090324)	6.17908c(88081924)	5.75777c(88073008)	4.60405c(88073008)	4.30655 (88110424)
794.0	5.43740c(88081924)	6.11867c(88072224)	5.91496c(88073008)	5.08072c(88111024)	5.64746c(88062924)
694.0	7.41795c(88081924)	6.28735c(88073008)	5.78122c(88072124)	6.92275c(88062924)	6.51002c(88110824)
594.0	7.05245c(88072224)	5.98869c(88072124)	8.54834c(88062924)	8.06079c(88110824)	4.98798c(88102324)
494.0	7.13378c(88090508)	7.64931 (88110424)	10.08622c(88110824)	4.93077c(88102324)	4.48158c(88070308)
394.0	9.01037 (88110424)	11.42652c(88102324)	5.57877 (88110508)	4.89675c(88111024)	3.43203c(88080724)
294.0	13.37807 (88110508)	6.81083 (88110508)	5.69793 (88110524)	5.64015 (88110524)	4.17420 (88022924)
194.0	8.73484 (88040616)	6.24996c(88111024)	6.19790c(88041524)	5.40511c(88070108)	5.32636c(88090324)
94.0	9.37481c(88080724)	5.94123 (88110524)	6.49609c(88111324)	4.40362 (88022924)	6.38107c(88041324)
-6.0	9.69016 (88110524)	7.19433c(88101124)	5.60196c(88110624)	5.40249 (88022724)	5.44586c(88081408)
-106.0	10.37306 (88022724)	7.46741c(88042724)	5.99962c(88042724)	3.97409c(88110624)	5.19910c(88101824)
-206.0	9.20483c(88120324)	6.88412 (88070116)	5.78244c(88021808)	5.38458c(88120324)	5.18490c(88012224)
-306.0	7.75768c(88111408)	4.89621c(88122508)	4.64187c(88031308)	4.05373c(88032124)	5.28910c(88041324)
-406.0	7.03767c(88070424)	5.50358c(88090508)	4.54500c(88102924)	4.76783c(88063024)	3.74680c(88063024)
-506.0	5.43389c(88120124)	6.57871c(88063024)	5.06636c(88111308)	3.78633c(88070424)	5.48805c(88071508)
-606.0	5.26176c(88063024)	5.35109c(88111708)	5.94860c(88063024)	4.27037 (88041124)	3.61033c(88111308)
-706.0	7.07651c(88101124)	4.16013c(88102124)	5.10257c(88112824)	4.78762c(88072508)	4.23562 (88041208)
-806.0	8.82106c(88021224)	5.65706c(88072424)	4.46177c(88102124)	4.81338c(88042024)	4.29968c(88112824)
-906.0	10.79569c(88122924)	5.55768c(88032408)	5.41944c(88010424)	4.50471c(88102124)	4.18654c(88042024)
-1006.0	6.69448c(88122924)	9.56273c(88042924)	5.16910c(88072424)	5.27618c(88101124)	4.40314c(88102124)
-1106.0	7.85110c(88112324)	9.92987c(88121624)	8.82006c(88021224)	4.56564c(88072424)	4.51884c(88101124)
-1206.0	8.20351c(88030624)	5.39610c(88100324)	7.28679c(88122924)	6.72903c(88021224)	4.28494c(88102624)
-1306.0	10.50951c(88110208)	6.39253c(88112324)	8.05484c(88122924)	8.22204c(88042924)	4.51670c(88032408)
-1406.0	6.85138c(88022808)	6.62015c(88031924)	5.02930c(88100324)	7.69877c(88122924)	7.55002c(88021224)
-1506.0	8.19201c(88080124)	9.35175c(88110208)	5.32186c(88112324)	6.13809c(88122924)	5.23863c(88122924)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00	1389.00
894.0	4.71457c(88062924)	4.52339c(88070108)	3.86046c(88040824)	4.01618c(88070308)	2.87897c(88070308)
794.0	5.33429c(88110824)	4.34582(88110524)	4.44983c(88070308)	2.85872c(88110924)	2.32057c(88110924)
694.0	4.94652c(88102324)	4.77844c(88070308)	3.12456c(88110924)	2.18439c(88110924)	3.81153c(88090324)
594.0	4.85738c(88070308)	3.24366(88110524)	3.06681c(88080724)	4.57116c(88090324)	3.35157(88022924)
494.0	3.25212c(88110924)	4.34948c(88090324)	4.13127c(88080724)	2.58541(88022924)	3.45518c(88070108)
394.0	5.17888c(88012524)	3.43002(88022924)	4.06248c(88070108)	4.32231c(88090324)	4.17524c(88090324)
294.0	4.75733c(88070108)	4.84284c(88090324)	4.03513c(88090324)	2.72535c(88041324)	4.08596c(88101124)
194.0	3.66076c(88111324)	4.01840c(88101124)	5.09599c(88110624)	4.15058c(88110624)	2.57965c(88101124)
94.0	4.91765c(88110624)	2.60625(88022724)	3.33445c(88081408)	4.02018(88022724)	4.06924(88022924)
-6.0	4.90062c(88110608)	5.49869c(88110608)	4.61695c(88110608)	3.60563c(88042724)	2.69299c(88042724)
-106.0	5.56271c(88101824)	5.25837c(88101824)	4.63012c(88101824)	3.94676c(88110624)	3.26334c(88110624)
-206.0	5.05421c(88012224)	4.89098c(88012224)	4.70981c(88012224)	4.52059c(88012224)	4.32987c(88012224)
-306.0	5.01114c(88112424)	5.21713c(88072424)	4.62440c(88041324)	3.89611c(88041324)	3.79144c(88082108)
-406.0	3.34107c(88031308)	2.92677c(88032124)	3.06525c(88121824)	3.05097c(88121824)	3.59105c(88112424)
-506.0	4.39470c(88081824)	3.05851c(88063024)	3.12455(88081424)	2.95680c(88122224)	2.50911c(88122224)
-606.0	3.11518c(88090508)	4.52854c(88071508)	5.01890c(88081824)	4.15265c(88081824)	2.18144c(88102624)
-706.0	3.76314c(88071524)	3.11821c(88110324)	2.75251c(88110324)	2.82894c(88071508)	4.54273c(88071508)
-806.0	4.94756c(88111524)	3.18559c(88071524)	2.82169c(88071524)	2.72398c(88110324)	2.57669c(88110324)
-906.0	4.84239c(88111708)	4.41759c(88072508)	3.69532c(88072508)	2.59692(88041208)	2.20830c(88071524)
-1006.0	3.29509c(88042024)	3.44142c(88111708)	4.12398c(88120124)	3.92035c(88120124)	3.10652c(88111524)
-1106.0	4.22632c(88102124)	2.53870c(88110608)	3.78517c(88110608)	4.00525c(88112824)	3.87494c(88072508)
-1206.0	3.87310c(88101124)	4.00953c(88121008)	1.84746c(88042024)	3.66776c(88110608)	3.92337c(88111708)
-1306.0	4.50626c(88102624)	3.33614c(88101124)	3.57858c(88121008)	1.62281c(88102124)	3.28112c(88110608)
-1406.0	3.92492c(88032024)	4.09355c(88121808)	2.89357c(88101124)	3.21474c(88121008)	1.80219c(88102124)
-1506.0	6.56022c(88021224)	3.51095c(88032024)	3.47286c(88121808)	2.53034c(88101124)	2.90622c(88121008)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE		
1.	720.39789	(88032902)	AT (	-11.00,	-206.00)	GC	26.	390.28549	(88061208)	AT (	-11.00,	-206.00)	GC
2.	635.04425	(88060923)	AT (	-11.00,	-206.00)	GC	27.	389.10236	(88070111)	AT (	89.00,	-206.00)	GC
3.	601.67987	(88082109)	AT (	89.00,	-206.00)	GC	28.	384.93988	(88061202)	AT (	-11.00,	-206.00)	GC
4.	536.97241	(88080408)	AT (	-11.00,	-206.00)	GC	29.	383.39291	(88021517)	AT (	89.00,	-206.00)	GC
5.	536.21655	(88101120)	AT (	89.00,	-206.00)	GC	30.	377.87051	(88040103)	AT (	-11.00,	-206.00)	GC
6.	535.31421	(88091502)	AT (	-11.00,	-206.00)	GC	31.	377.04556	(88021902)	AT (	-11.00,	-206.00)	GC
7.	521.93304	(88091424)	AT (	-11.00,	-206.00)	GC	32.	372.72293	(88091008)	AT (	-11.00,	-206.00)	GC
8.	521.73773	(88062903)	AT (	-11.00,	-206.00)	GC	33.	370.96637	(88021903)	AT (	-11.00,	-206.00)	GC
9.	501.55087	(88111308)	AT (	89.00,	-206.00)	GC	34.	368.23886	(88091107)	AT (	-11.00,	-206.00)	GC
10.	499.68887	(88111509)	AT (	89.00,	-206.00)	GC	35.	367.46939	(88091516)	AT (	-11.00,	-206.00)	GC
11.	493.59616	(88060220)	AT (	-11.00,	-206.00)	GC	36.	366.23486	(88111904)	AT (	-11.00,	-206.00)	GC
12.	472.47809	(88042611)	AT (	89.00,	-206.00)	GC	37.	366.04651	(88040408)	AT (	-11.00,	-206.00)	GC
13.	469.16647	(88071218)	AT (	89.00,	-206.00)	GC	38.	361.66095	(88102916)	AT (	89.00,	-206.00)	GC
14.	453.03659	(88070112)	AT (	89.00,	-206.00)	GC	39.	360.78998	(88022801)	AT (	89.00,	-306.00)	GC
15.	427.63419	(88080218)	AT (	89.00,	-206.00)	GC	40.	356.73328	(88102411)	AT (	89.00,	-206.00)	GC
16.	425.10092	(88070223)	AT (	89.00,	-206.00)	GC	41.	355.32581	(88060708)	AT (	-11.00,	-206.00)	GC
17.	414.06140	(88100209)	AT (	-11.00,	-206.00)	GC	42.	353.92218	(88091009)	AT (	-11.00,	-206.00)	GC
18.	412.67102	(88012917)	AT (	-11.00,	-206.00)	GC	43.	349.93884	(88060903)	AT (	-11.00,	-206.00)	GC
19.	412.65091	(88050417)	AT (	89.00,	-206.00)	GC	44.	344.39539	(88111216)	AT (	89.00,	-206.00)	GC
20.	409.83603	(88091208)	AT (	-11.00,	-206.00)	GC	45.	335.93359	(88013023)	AT (	-11.00,	-206.00)	GC
21.	409.70541	(88012423)	AT (	-11.00,	-206.00)	GC	46.	333.87589	(88091124)	AT (	-11.00,	-206.00)	GC
22.	404.43634	(88082102)	AT (	89.00,	-206.00)	GC	47.	330.88773	(88091509)	AT (	-11.00,	-206.00)	GC
23.	401.06360	(88091007)	AT (	-11.00,	-206.00)	GC	48.	328.86679	(88080208)	AT (	-11.00,	-206.00)	GC
24.	394.50952	(88070110)	AT (	89.00,	-206.00)	GC	49.	327.28320	(88013018)	AT (	-11.00,	-206.00)	GC
25.	390.73843	(88102115)	AT (	89.00,	-206.00)	GC	50.	326.79315	(88022722)	AT (	89.00,	-206.00)	GC

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

\*\*MODELOPTs: CONC

RURAL FLAT

DFAULT

\*\*\* THE MAXIMUM 50 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE		
1.	190.15582	(88070116)	AT (	89.00,	-206.00)	GC	26.	81.14890	(88082116)	AT (	89.00,	-206.00)	GC
2.	161.16339c	(88013024)	AT (	-11.00,	-206.00)	GC	27.	80.17654	(88060924)	AT (	-11.00,	-206.00)	GC
3.	145.69661c	(88061208)	AT (	-11.00,	-206.00)	GC	28.	79.23813	(88112208)	AT (	-11.00,	-306.00)	GC
4.	131.12334c	(88012916)	AT (	-11.00,	-206.00)	GC	29.	78.85270	(88042616)	AT (	89.00,	-206.00)	GC
5.	117.40963c	(88061408)	AT (	-11.00,	-306.00)	GC	30.	78.47951	(88081716)	AT (	-11.00,	-206.00)	GC
6.	115.53393c	(88080408)	AT (	-11.00,	-206.00)	GC	31.	78.37230	(88030916)	AT (	-11.00,	-106.00)	GC
7.	114.19439	(88010708)	AT (	-11.00,	-306.00)	GC	32.	78.36536c	(88071224)	AT (	89.00,	-206.00)	GC
8.	105.79974c	(88032908)	AT (	-11.00,	-206.00)	GC	33.	77.55081	(88091116)	AT (	-11.00,	-206.00)	GC
9.	100.43299	(88053124)	AT (	-11.00,	-206.00)	GC	34.	74.61765c	(88102124)	AT (	89.00,	-306.00)	GC
10.	99.93047	(88091508)	AT (	-11.00,	-206.00)	GC	35.	74.25879c	(88111308)	AT (	89.00,	-206.00)	GC
11.	97.68272	(88102116)	AT (	89.00,	-206.00)	GC	36.	73.79926	(88052216)	AT (	-11.00,	-206.00)	GC
12.	97.42645c	(88110316)	AT (	89.00,	-206.00)	GC	37.	73.64378	(88012616)	AT (	89.00,	-306.00)	GC
13.	96.93164	(88021908)	AT (	-11.00,	-206.00)	GC	38.	72.35330	(88041124)	AT (	89.00,	-206.00)	GC
14.	96.72331	(88091008)	AT (	-11.00,	-206.00)	GC	39.	71.27236c	(88080224)	AT (	89.00,	-206.00)	GC
15.	96.69780c	(88022808)	AT (	89.00,	-306.00)	GC	40.	70.85015c	(88070224)	AT (	89.00,	-206.00)	GC
16.	95.54632	(88062908)	AT (	-11.00,	-206.00)	GC	41.	69.93061c	(88041724)	AT (	-11.00,	-106.00)	GC
17.	92.89866c	(88070424)	AT (	-11.00,	-206.00)	GC	42.	69.90490c	(88102424)	AT (	89.00,	-306.00)	GC
18.	89.39759c	(88101124)	AT (	89.00,	-206.00)	GC	43.	69.50345	(88111516)	AT (	89.00,	-206.00)	GC
19.	87.29469	(88091516)	AT (	-11.00,	-206.00)	GC	44.	69.45310	(88021824)	AT (	-11.00,	-306.00)	GC
20.	86.99810c	(88091424)	AT (	-11.00,	-206.00)	GC	45.	69.26354	(88062824)	AT (	-11.00,	-206.00)	GC
21.	85.76302	(88111908)	AT (	-11.00,	-206.00)	GC	46.	68.77850c	(88012924)	AT (	-11.00,	-206.00)	GC
22.	84.62595	(88090208)	AT (	-11.00,	-306.00)	GC	47.	68.16873c	(88080824)	AT (	-11.00,	-306.00)	GC
23.	82.68319c	(88060224)	AT (	-11.00,	-206.00)	GC	48.	67.40606c	(88082108)	AT (	89.00,	-206.00)	GC
24.	82.26448	(88053016)	AT (	-11.00,	-206.00)	GC	49.	65.23389c	(88061524)	AT (	-11.00,	-306.00)	GC
25.	81.16315	(88061308)	AT (	-11.00,	-306.00)	GC	50.	65.00826	(88040108)	AT (	-11.00,	-206.00)	GC

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1988 Met CO  
\*\*\* Revised building height = 38'

\*\*\* 11/24/99  
11:04:51  
PAGE 31

\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

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

\*\* CONC OF CO 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	720.39789 ON 88032902: AT (	-11.00, -206.00, 0.00,	0.00)	GC 100METER
	HIGH 2ND HIGH VALUE IS	635.04425 ON 88060923: AT (	-11.00, -206.00, 0.00,	0.00)	GC 100METER

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1988 Met CO  
\*\*\* Revised building height = 38'

\*\*\* 11/24/99  
11:04:51  
PAGE 32

\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

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

\*\* CONC OF CO 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	190.15582 ON 88070116: AT (	89.00, -206.00, 0.00,	0.00)	GC 100METER
	HIGH 2ND HIGH VALUE IS	145.69661c ON 88061208: AT (	-11.00, -206.00, 0.00,	0.00)	GC 100METER

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





ISCST3 CO 1989

\*\* The results for this run are in file 14ST89C.OUT.

\*\*  
CO STARTING  
TITLEONE FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1989 Met CO  
TITLETWO Revised building height = 38'  
MODELOPT DFAULT RURAL CONC  
AVERTIME 1 8  
POLLUTID CO  
RUNORNOT RUN  
ERRORFIL 14ERR89.OUT  
CO FINISHED

SO STARTING  
LOCATION 1407 POINT 189.36 -305.90

\*\* Point Source            QS        HS        TS        VS        DS  
\*\* Parameters:            ----        ----        ----        ----        ---  
SRCPARAM 1407            1.351    17.68    718.1    13.85    2.66

SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDWID 1407	27.22	26.56	25.08	25.61	26.84	27.26
SO BUILDWID 1407	26.85	25.63	23.63	20.90	17.55	13.66
SO BUILDWID 1407	14.87	18.62	21.79	24.30	26.08	27.06
SO BUILDWID 1407	27.22	26.56	25.08	25.61	26.84	27.26
SO BUILDWID 1407	26.85	25.63	23.63	20.90	17.55	13.66
SO BUILDWID 1407	14.87	18.62	21.79	24.30	26.08	27.06

SO LOCATION GEN03 POINT 50.98 -206.27

\*\* Parameters            QS        HS        TS        VS        DS  
\*\*                        ----        ----        ----        ----        ---  
SO SRCPARAM GEN03            0.283    6.10    644.26    45.49    0.2

SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDWID GEN03	82.08	100.88	116.62	128.81	137.09	141.21
SO BUILDWID GEN03	141.03	136.57	127.96	115.46	99.45	80.42
SO BUILDWID GEN03	58.95	35.69	11.34	13.35	37.64	60.78
SO BUILDWID GEN03	82.08	100.88	116.62	128.81	137.09	141.21
SO BUILDWID GEN03	141.03	136.57	127.96	115.46	99.45	80.42
SO BUILDWID GEN03	58.95	35.69	11.34	13.35	37.64	60.78

SO SRCGROUP ALL  
SO FINISHED

RE STARTING  
GRIDCART 100METER STA  
GRIDCART 100METER XYINC -1011 25 100 -1506 25 100  
GRIDCART 100METER END  
RE FINISHED

ME STARTING  
INPUTFIL 14RAM89.ASC  
ANEMHGHT 10  
SURFDATA 93805 1989 TALLAHASSE  
UAIRDATA 12832 1989 APALACHICOLA  
ME FINISHED

OU STARTING  
RECTABLE ALLAVE FIRST SECOND  
MAXTABLE ALLAVE 50  
OU FINISHED

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

\*\*MODELOPTs: CONC

RURAL FLAT

DEFAULT

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

\*\*Intermediate Terrain Processing is Selected

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

-- SCAVENGING/DEPOSITION LOGIC --

\*\*Model Uses NO DRY DEPLETION. DDPLETE = F

\*\*Model Uses NO WET DEPLETION. WDPLETE = F

\*\*NO WET SCAVENGING Data Provided.

\*\*Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

\*\*Model Uses RURAL Dispersion.

\*\*Model Uses 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 2 Short Term Average(s) of: 1-HR 8-HR

\*\*This Run Includes: 2 Source(s); 1 Source Group(s); and 625 Receptor(s)

\*\*The Model Assumes A Pollutant Type of: CO

\*\*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



\*\*\* ISCS13 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1989 Met CO \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

\*\*\*  
\*\*\*

11/24/99  
11:05:13  
PAGE 3

\*\*MODELOPTs: CONC

RURAL FLAT                      DFAULT

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

GROUP ID

SOURCE IDs

ALL            1407            , GEN03            ,

\*\*\* ISCS13 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1989 Met CO \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*\*

11/24/99  
11:05:13  
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\*\*MODELOPTs: CONC

RURAL FLAT                      DFAULT

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: 1407

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	11.6,	27.2,	0	2	11.6,	26.6,	0	3	11.6,	25.1,	0	4	11.6,	25.6,	0	5	11.6,	26.8,	0	6	11.6,	27.3,	0
7	11.6,	26.9,	0	8	11.6,	25.6,	0	9	11.6,	23.6,	0	10	11.6,	20.9,	0	11	11.6,	17.5,	0	12	11.6,	13.7,	0
13	11.6,	14.9,	0	14	11.6,	18.6,	0	15	11.6,	21.8,	0	16	11.6,	24.3,	0	17	11.6,	26.1,	0	18	11.6,	27.1,	0
19	11.6,	27.2,	0	20	11.6,	26.6,	0	21	11.6,	25.1,	0	22	11.6,	25.6,	0	23	11.6,	26.8,	0	24	11.6,	27.3,	0
25	11.6,	26.9,	0	26	11.6,	25.6,	0	27	11.6,	23.6,	0	28	11.6,	20.9,	0	29	11.6,	17.5,	0	30	11.6,	13.7,	0
31	11.6,	14.9,	0	32	11.6,	18.6,	0	33	11.6,	21.8,	0	34	11.6,	24.3,	0	35	11.6,	26.1,	0	36	11.6,	27.1,	0

SOURCE ID: GEN03

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	9.9,	82.1,	0	2	9.9,	100.9,	0	3	9.9,	116.6,	0	4	9.9,	128.8,	0	5	9.9,	137.1,	0	6	9.9,	141.2,	0
7	9.9,	141.0,	0	8	9.9,	136.6,	0	9	9.9,	128.0,	0	10	9.9,	115.5,	0	11	9.9,	99.4,	0	12	9.9,	80.4,	0
13	9.9,	59.0,	0	14	9.9,	35.7,	0	15	9.9,	11.3,	0	16	9.9,	13.4,	0	17	9.9,	37.6,	0	18	9.9,	60.8,	0
19	9.9,	82.1,	0	20	9.9,	100.9,	0	21	9.9,	116.6,	0	22	9.9,	128.8,	0	23	9.9,	137.1,	0	24	9.9,	141.2,	0
25	9.9,	141.0,	0	26	9.9,	136.6,	0	27	9.9,	128.0,	0	28	9.9,	115.5,	0	29	9.9,	99.4,	0	30	9.9,	80.4,	0
31	9.9,	59.0,	0	32	9.9,	35.7,	0	33	9.9,	11.3,	0	34	9.9,	13.4,	0	35	9.9,	37.6,	0	36	9.9,	60.8,	0

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1989 Met CO  
\*\*\* Revised building height = 38'

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\*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

-1011.0,	-911.0,	-811.0,	-711.0,	-611.0,	-511.0,	-411.0,	-311.0,	-211.0,	-111.0,
-11.0,	89.0,	189.0,	289.0,	389.0,	489.0,	589.0,	689.0,	789.0,	889.0,
989.0,	1089.0,	1189.0,	1289.0,	1389.0,					

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

-1506.0,	-1406.0,	-1306.0,	-1206.0,	-1106.0,	-1006.0,	-906.0,	-806.0,	-706.0,	-606.0,
-506.0,	-406.0,	-306.0,	-206.0,	-106.0,	-6.0,	94.0,	194.0,	294.0,	394.0,
494.0,	594.0,	694.0,	794.0,	894.0,					

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1989 Met CO  
\*\*\* Revised building height = 38'

\*\*\*  
\*\*\*

11/24/99  
11:05:13  
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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
LESS THAN 1.0 METER OR 3\*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	- - RECEPTOR LOCATION - -		DISTANCE (METERS)
	XR (METERS)	YR (METERS)	
1407	189.0	-306.0	0.37





\*\*MODELOPTs: CONC

RURAL FLAT

DFAULT

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

FILE: 14RAM89.ASC

FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1989

YEAR: 1989

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
89	1	1	1	1.0	2.06	292.0	4	402.2	402.2	0.0000	0.0	0.0000	0	0.00
89	1	1	2	348.0	1.54	292.0	4	425.6	425.6	0.0000	0.0	0.0000	0	0.00
89	1	1	3	354.0	0.00	292.0	4	448.9	448.9	0.0000	0.0	0.0000	0	0.00
89	1	1	4	353.0	0.00	292.0	4	472.3	472.3	0.0000	0.0	0.0000	0	0.00
89	1	1	5	13.0	2.06	292.0	4	495.7	495.7	0.0000	0.0	0.0000	0	0.00
89	1	1	6	32.0	2.06	293.2	4	519.0	519.0	0.0000	0.0	0.0000	0	0.00
89	1	1	7	85.0	2.06	293.2	4	542.4	542.4	0.0000	0.0	0.0000	0	0.00
89	1	1	8	13.0	2.57	293.2	4	565.8	565.8	0.0000	0.0	0.0000	0	0.00
89	1	1	9	77.0	1.54	294.3	4	589.2	589.2	0.0000	0.0	0.0000	0	0.00
89	1	1	10	81.0	2.06	294.8	4	612.5	612.5	0.0000	0.0	0.0000	0	0.00
89	1	1	11	44.0	2.57	296.5	3	635.9	635.9	0.0000	0.0	0.0000	0	0.00
89	1	1	12	26.0	2.57	296.5	2	659.3	659.3	0.0000	0.0	0.0000	0	0.00
89	1	1	13	73.0	2.06	297.0	3	682.6	682.6	0.0000	0.0	0.0000	0	0.00
89	1	1	14	9.0	5.66	299.3	4	706.0	706.0	0.0000	0.0	0.0000	0	0.00
89	1	1	15	142.0	2.57	296.5	4	706.0	706.0	0.0000	0.0	0.0000	0	0.00
89	1	1	16	84.0	1.54	296.5	3	706.0	706.0	0.0000	0.0	0.0000	0	0.00
89	1	1	17	161.0	2.06	297.6	4	706.0	706.0	0.0000	0.0	0.0000	0	0.00
89	1	1	18	47.0	2.06	295.4	5	701.4	697.8	0.0000	0.0	0.0000	0	0.00
89	1	1	19	54.0	0.00	292.6	6	685.1	669.0	0.0000	0.0	0.0000	0	0.00
89	1	1	20	27.0	1.54	292.6	7	668.8	640.2	0.0000	0.0	0.0000	0	0.00
89	1	1	21	60.0	2.06	292.6	6	652.6	611.4	0.0000	0.0	0.0000	0	0.00
89	1	1	22	162.0	2.06	293.7	5	636.3	582.6	0.0000	0.0	0.0000	0	0.00
89	1	1	23	160.0	0.00	292.6	6	620.0	553.8	0.0000	0.0	0.0000	0	0.00
89	1	1	24	160.0	0.00	292.0	6	603.8	525.0	0.0000	0.0	0.0000	0	0.00

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

\*\*MODELOPTs: CONC

RURAL FLAT

DEFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	23.59715 (89063024)	36.61351 (89100107)	35.15770 (89100107)	28.21609 (89072023)	27.17100 (89012921)
794.0	21.14416 (89062002)	25.72359 (89063024)	41.29037 (89100107)	34.32787 (89100107)	30.30681 (89010622)
694.0	22.81418 (89061702)	24.57829 (89062002)	28.01475 (89031820)	46.56626 (89100107)	31.23324 (89100107)
594.0	28.78120 (89082905)	28.06831 (89061702)	28.67392 (89062002)	32.17408 (89100107)	52.11445 (89100107)
494.0	26.15125 (89101604)	31.64782 (89120801)	31.83784 (89061702)	33.38088 (89062002)	38.59940 (89100107)
394.0	29.92830 (89072301)	30.56789 (89053103)	34.44720 (89072224)	34.91320 (89072303)	38.27705 (89062002)
294.0	31.50668 (89072021)	32.44261 (89053023)	34.20979 (89070201)	34.68170 (89101604)	40.06234 (89082905)
194.0	30.68921 (89091302)	30.87447 (89081924)	36.80808 (89072021)	38.76519 (89053023)	38.66955 (89053103)
94.0	31.72351 (89041422)	31.98185 (89072123)	34.85098 (89091302)	32.77619 (89081924)	41.16855 (89072021)
-6.0	30.09809 (89060605)	33.05479 (89030321)	38.54050 (89101602)	28.25890 (89101602)	38.79578 (89072123)
-106.0	31.35057 (89093002)	29.17387 (89093002)	25.48317 (89072222)	24.12971 (89011207)	35.91912 (89053022)
-206.0	32.04631 (89091301)	32.90492 (89091301)	34.19191 (89090806)	36.77676 (89090806)	39.57322 (89090806)
-306.0	52.50113 (89072406)	56.09855 (89072406)	58.66904 (89072406)	58.90525 (89072406)	54.70230 (89072406)
-406.0	33.09942 (89072402)	35.55305 (89091322)	38.56894 (89081203)	40.62678 (89090502)	44.00646 (89091924)
-506.0	30.58799 (89090502)	34.94009 (89081201)	38.18495 (89112424)	39.25729 (89022001)	40.95044 (89081504)
-606.0	31.79014 (89090901)	32.99334 (89090723)	36.73789 (89081504)	38.71397 (89090604)	42.59184 (89041204)
-706.0	31.45367 (89081504)	32.25999 (89090604)	32.60198 (89041204)	37.60829 (89092002)	35.57207 (89101202)
-806.0	29.85237 (89032807)	32.89214 (89041202)	32.53203 (89101206)	34.83335 (89101202)	35.04438 (89090904)
-906.0	29.62227 (89021706)	30.82316 (89061923)	28.12834 (89081905)	33.83177 (89090904)	36.12949 (89022002)
-1006.0	25.56857 (89061923)	29.81015 (89081905)	31.47573 (89090904)	31.80969 (89022002)	31.95217 (89112519)
-1106.0	28.19024 (89081905)	28.77806 (89090904)	28.04310 (89022002)	30.80909 (89112519)	22.68710 (89081102)
-1206.0	26.11280 (89090904)	24.82412 (89022002)	29.07195 (89081023)	28.08842 (89081102)	30.31152 (89011104)
-1306.0	23.38577 (89061123)	27.55208 (89081023)	27.39048 (89081102)	27.06858 (89082002)	25.52714 (89072205)
-1406.0	25.23066 (89053102)	26.55035 (89091002)	19.52434 (89102423)	25.84395 (89011019)	28.12176 (89092407)
-1506.0	25.06451 (89091002)	17.43600 (89081102)	25.81747 (89082002)	26.60176 (89072205)	30.05873 (89092407)

\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	24.06635 (89053105)	31.08292 (89071806)	26.24996 (89010819)	32.27667 (89122723)	31.37060 (89051502)
794.0	20.79107 (89012921)	29.20375 (89091604)	33.91979 (89082501)	24.21886 (89122723)	35.18518 (89051502)
694.0	28.58584 (89012921)	28.16108 (89053105)	31.06103 (89071806)	34.46057 (89010819)	33.49408 (89112720)
594.0	36.09652 (89072023)	32.18997 (89012921)	33.10482 (89091604)	33.86460 (89010819)	37.17872 (89032920)
494.0	56.89790 (89100107)	38.42546 (89010622)	33.13176 (89053105)	40.92007 (89082501)	44.29801 (89122723)
394.0	47.71960 (89100107)	58.25283 (89100107)	45.74086 (89012921)	43.61921 (89071806)	32.36687 (89013008)
294.0	42.66905 (89050102)	61.41268 (89100107)	50.60796 (89100107)	38.42748 (89053105)	44.74348 (89010819)
194.0	43.25220 (89072224)	43.56109 (89050102)	83.46532 (89100107)	47.80112 (89010622)	50.24580 (89011503)
94.0	48.75010 (89072101)	48.27346 (89101604)	58.10941 (89072202)	121.65981 (89100107)	64.97749 (89062708)
-6.0	49.45724 (89082907)	42.06112 (89031507)	64.45891 (89072302)	71.60219 (89072102)	182.86125 (89100107)
-106.0	51.91372 (89053022)	55.35324 (89102407)	55.58826 (89090107)	80.59989 (89082907)	118.76030 (89070519)
-206.0	44.69001 (89072406)	54.70083 (89072406)	70.24024 (89072406)	97.57722 (89072406)	158.05678 (89072406)
-306.0	52.79243 (89101201)	50.39185 (89091322)	58.65419 (89070102)	88.91166 (89081204)	120.32010 (89072508)
-406.0	50.83929 (89041203)	57.26060 (89041124)	64.29859 (89090601)	69.49982 (89101202)	87.62049 (89042018)
-506.0	45.97342 (89090604)	53.85891 (89090702)	49.34885 (89112420)	55.38347 (89101804)	107.49104 (89092407)
-606.0	45.15003 (89101206)	49.47894 (89112420)	46.18344 (89022002)	59.73454 (89090506)	63.62657 (89101307)
-706.0	39.19696 (89112420)	45.06444 (89022002)	44.20631 (89102423)	70.58083 (89092407)	49.41597 (89011020)
-806.0	40.81006 (89022002)	41.43353 (89081102)	39.03180 (89090606)	45.74437 (89090703)	48.65068 (89102421)
-906.0	35.40187 (89081102)	39.12207 (89011019)	52.48977 (89092407)	42.26229 (89042023)	44.64651 (89062603)
-1006.0	32.14141 (89102423)	36.51377 (89090606)	38.15446 (89092407)	36.02452 (89011020)	36.71200 (89102921)
-1106.0	29.89867 (89011019)	41.90679 (89092407)	32.40396 (89072523)	37.21024 (89011121)	36.76637 (89102724)
-1206.0	31.12957 (89092407)	33.37532 (89041123)	34.14856 (89042101)	32.98184 (89041305)	35.63125 (89031207)
-1306.0	34.96585 (89092407)	28.78394 (89090703)	27.53967 (89011020)	31.89275 (89091104)	31.74594 (89031207)
-1406.0	28.97460 (89092407)	29.32196 (89072523)	27.72269 (89011121)	28.66448 (89091104)	30.19126 (89081024)
-1506.0	23.97796 (89090703)	27.07126 (89042101)	27.73769 (89061804)	28.62899 (89082005)	26.56340 (89041306)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)	CONC OF CO	IN MICROGRAMS/M**3	CONC OF CO	IN MICROGRAMS/M**3	CONC OF CO	IN MICROGRAMS/M**3
		-11.00	89.00	189.00	289.00	389.00	
894.0		33.14277 (89031120)	33.33917 (89010720)	33.06069 (89020524)	32.11979 (89010521)	36.81754 (89052119)	
794.0		34.35546 (89031120)	35.56083 (89010720)	35.37654 (89020322)	34.30387 (89032101)	44.92282 (89052119)	
694.0		34.77223 (89021701)	37.44113 (89010720)	37.68871 (89031324)	37.52533 (89010220)	45.27397 (89052119)	
594.0		39.53174 (89112722)	41.03285 (89040702)	40.90241 (89011820)	46.27481 (89052119)	38.79966 (89052522)	
494.0		44.29335 (89112722)	44.53700 (89040702)	43.12951 (89073021)	62.29158 (89052119)	41.28703 (89063004)	
394.0		43.22898 (89112722)	47.57591 (89050921)	46.89953 (89032101)	57.27617 (89052119)	42.18314 (89090203)	
294.0		41.64104 (89092918)	48.07030 (89011419)	59.31749 (89052119)	51.61499 (89032106)	47.31444 (89033022)	
194.0		65.23423 (89010719)	62.65359 (89071621)	103.51928 (89052119)	49.73579 (89052523)	48.71321 (89072822)	
94.0		79.73196 (89032920)	75.88084 (89033020)	70.16402 (89040704)	66.20262 (89010320)	60.90898 (89120405)	
-6.0		108.53601 (89060207)	111.55916 (89042906)	85.93427 (89080219)	72.33563 (89120405)	56.51558 (89070819)	
-106.0		203.78937 (89012921)	271.65570 (89010802)	134.29485 (89081817)	105.79902 (89052118)	60.42205 (89122610)	
-206.0		567.12347 (89072223)	995.48987 (89052602)	161.93303 (89030607)	95.68833 (89071608)	63.90622 (89071608)	
-306.0		271.14572 (89090506)	359.82224 (89112919)	124.31915 (89121304)	151.16208 (89052117)	62.38420 (89101718)	
-406.0		108.64512 (89092703)	113.96657 (89012307)	95.30177 (89010402)	67.86069 (89041509)	56.32168 (89072908)	
-506.0		84.71272 (89012009)	84.49206 (89103003)	80.50973 (89111704)	57.15654 (89112924)	49.84727 (89092020)	
-606.0		69.31488 (89012009)	68.12512 (89012222)	67.24158 (89012306)	61.62093 (89120402)	52.12234 (89010322)	
-706.0		58.64824 (89113006)	58.24661 (89021005)	55.69767 (89112319)	53.65846 (89022405)	51.83342 (89121620)	
-806.0		50.49112 (89112407)	51.00493 (89020921)	50.72231 (89112920)	49.20228 (89102907)	46.31867 (89022404)	
-906.0		45.98505 (89020803)	44.83156 (89031202)	45.63892 (89111705)	41.90898 (89012306)	42.71107 (89022405)	
-1006.0		40.29150 (89011120)	41.27716 (89031202)	41.06136 (89102605)	39.41104 (89122202)	39.63476 (89020820)	
-1106.0		38.38631 (89011120)	37.44912 (89042022)	37.35942 (89090622)	37.11003 (89092121)	36.15387 (89011619)	
-1206.0		34.83392 (89011120)	35.57144 (89042022)	35.69751 (89102404)	34.80315 (89031005)	33.13585 (89022421)	
-1306.0		33.37383 (89102503)	33.35044 (89042022)	32.44184 (89102507)	32.74673 (89012721)	32.02427 (89020821)	
-1406.0		31.39910 (89102503)	31.24195 (89040305)	30.54412 (89102507)	31.04941 (89021002)	30.56115 (89102506)	
-1506.0		29.21057 (89031920)	29.72708 (89040305)	29.44649 (89092323)	29.68956 (89121701)	29.41679 (89022502)	

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	689.00	789.00	889.00
894.0	31.71282 (89052119)	30.71053 (89031301)	29.72512 (89071424)	29.26430 (89011521)	28.46471 (89031223)
794.0	31.48512 (89052522)	31.96290 (89082522)	30.51361 (89040902)	29.63742 (89011601)	28.92970 (89072822)
694.0	35.51635 (89063004)	32.46343 (89092205)	32.62815 (89052524)	30.51058 (89052601)	30.51643 (89011522)
594.0	35.29711 (89082522)	36.53582 (89033022)	32.10305 (89120421)	33.08460 (89011522)	30.22660 (89122521)
494.0	39.96976 (89052523)	36.90112 (89010320)	35.33787 (89112020)	34.00374 (89042622)	32.56897 (89122722)
394.0	41.40343 (89042721)	40.96223 (89112020)	38.44889 (89042622)	36.74610 (89031220)	33.28317 (89031322)
294.0	44.04882 (89112020)	42.82906 (89042622)	40.91925 (89050824)	37.44067 (89060921)	36.12518 (89011523)
194.0	46.69388 (89080624)	44.91676 (89022620)	42.96105 (89042621)	38.37099 (89061506)	36.22469 (89050202)
94.0	53.95865 (89060921)	49.63782 (89080703)	43.90950 (89050202)	36.72322 (89052118)	35.78451 (89080701)
-6.0	60.73022 (89052118)	44.01139 (89052118)	42.89406 (89080702)	42.35177 (89120519)	37.83237 (89100306)
-106.0	61.59224 (89050123)	48.78351 (89102003)	50.46172 (89052116)	48.76716 (89052116)	44.19870 (89052116)
-206.0	49.01062 (89122112)	38.60900 (89122112)	33.76286 (89051505)	34.45631 (89051505)	34.24222 (89051505)
-306.0	41.26163 (89080420)	49.32676 (89122520)	46.13107 (89040522)	43.46463 (89102902)	39.17428 (89010321)
-406.0	86.41600 (89052117)	64.02061 (89052117)	44.53064 (89011603)	32.32560 (89102001)	32.86662 (89112107)
-506.0	46.99676 (89092122)	48.42467 (89121321)	56.45012 (89052117)	56.84901 (89052117)	36.99796 (89052117)
-606.0	45.24722 (89051521)	42.57600 (89052722)	43.52665 (89111622)	39.34039 (89121321)	41.42174 (89052117)
-706.0	47.16093 (89010322)	42.83882 (89051521)	35.90216 (89120403)	34.58997 (89092122)	34.02501 (89121320)
-806.0	43.24378 (89110306)	41.10948 (89050702)	38.57106 (89051521)	30.67893 (89102403)	33.99567 (89052722)
-906.0	40.58128 (89112923)	38.11165 (89110305)	36.61979 (89050702)	34.43632 (89033124)	32.62038 (89102403)
-1006.0	37.17344 (89022404)	35.65478 (89121620)	34.63805 (89040603)	33.62368 (89010419)	31.93323 (89033124)
-1106.0	35.78020 (89011605)	34.92255 (89010420)	32.46694 (89020922)	31.79967 (89020924)	31.62728 (89022424)
-1206.0	32.93386 (89051523)	32.80845 (89022402)	30.97768 (89030923)	30.66746 (89022501)	29.72568 (89042422)
-1306.0	31.70707 (89121622)	31.41875 (89022420)	30.51831 (89122120)	29.93631 (89011621)	29.13595 (89111706)
-1406.0	30.30605 (89040120)	29.43673 (89081206)	28.60575 (89022402)	27.77169 (89052105)	28.47864 (89020922)
-1506.0	29.04457 (89022421)	27.82568 (89012705)	28.55935 (89022420)	27.19533 (89122120)	27.05515 (89051102)

\*\*MODELOPTs: CONC

RURAL FLAT

DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
INCLUDING SOURCE(S): 1407 , GEN03 , \*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	989.00	1089.00	1189.00	1289.00	1389.00
894.0	27.03316 (89013121)	26.65408 (89081702)	23.13687 (89092204)	24.94656 (89071723)	24.33438 (89120520)
794.0	28.57927 (89081702)	25.27636 (89122521)	26.82456 (89041924)	26.57282 (89120520)	23.34518 (89033103)
694.0	27.67742 (89122521)	28.82466 (89041924)	26.58779 (89120520)	27.07195 (89033103)	26.12066 (89033101)
594.0	30.03695 (89122722)	28.53577 (89050824)	28.80299 (89022623)	28.21978 (89120423)	26.42589 (89071022)
494.0	31.55843 (89031323)	30.30991 (89033101)	28.42361 (89090302)	27.77339 (89021121)	26.69730 (89061201)
394.0	32.16906 (89120423)	31.15871 (89010121)	29.67274 (89061201)	29.38461 (89122519)	27.54562 (89051621)
294.0	32.25668 (89061201)	31.95605 (89122519)	29.90661 (89051621)	29.09603 (89061423)	27.76649 (89120422)
194.0	33.15069 (89112106)	32.65557 (89120422)	30.26537 (89080701)	29.01143 (89080702)	27.42863 (89102005)
94.0	35.50763 (89080702)	33.54376 (89060224)	31.60778 (89120519)	29.18697 (89100306)	24.90991 (89050123)
-6.0	31.45974 (89050123)	32.72476 (89032521)	32.52659 (89102003)	27.81468 (89102003)	27.06759 (89071122)
-106.0	38.93846 (89052116)	33.92929 (89052116)	31.16050 (89080422)	29.53707 (89080422)	28.79896 (89062705)
-206.0	33.61406 (89051505)	32.72213 (89051505)	31.67220 (89051505)	30.53724 (89051505)	29.36727 (89051505)
-306.0	37.73582 (89102004)	33.96289 (89102004)	28.72478 (89102004)	23.68775 (89101924)	23.29367 (89062723)
-406.0	33.42607 (89032124)	34.84254 (89122520)	32.23015 (89102006)	30.34330 (89051221)	28.22478 (89051221)
-506.0	36.20703 (89102019)	32.90327 (89102001)	29.12311 (89112107)	29.66397 (89112107)	27.48698 (89032124)
-606.0	46.52983 (89052117)	37.92989 (89052117)	30.22683 (89122421)	30.24718 (89111004)	28.71550 (89121319)
-706.0	32.53938 (89050203)	32.56031 (89052117)	38.20347 (89052117)	35.13269 (89052117)	28.27605 (89122421)
-806.0	32.20803 (89071201)	31.78289 (89121320)	29.88977 (89050203)	29.42233 (89102021)	31.93966 (89052117)
-906.0	31.14760 (89033105)	27.22120 (89122419)	29.20580 (89101919)	27.94043 (89040101)	26.89051 (89050203)
-1006.0	30.20775 (89102403)	29.90836 (89120403)	29.58068 (89122419)	28.26275 (89111703)	22.80596 (89121320)
-1106.0	29.82051 (89040521)	29.47578 (89120105)	28.34115 (89120403)	27.27537 (89033106)	23.67840 (89111703)
-1206.0	29.71382 (89022424)	28.30191 (89040521)	27.44811 (89120105)	23.97368 (89120403)	25.57785 (89033105)
-1306.0	27.68613 (89021008)	27.62455 (89022424)	26.71457 (89040521)	25.72402 (89112324)	24.06261 (89102403)
-1406.0	27.38808 (89040622)	27.08725 (89021008)	25.55256 (89022424)	25.13966 (89040521)	24.66585 (89112324)
-1506.0	26.83224 (89022501)	25.63897 (89020924)	25.40903 (89021008)	23.88535 (89051121)	23.61373 (89040521)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS)	-811.00	-711.00	-611.00
894.0	23.59715 (89071323)	25.30360 (89062123)	22.24143 (89053104)	27.17986 (89071422)	17.61539 (89061623)	
794.0	20.25201 (89082122)	25.72359 (89071323)	27.25211 (89092220)	23.73337 (89090120)	29.76091 (89061623)	
694.0	18.36951 (89062002)	22.47059 (89050102)	27.99597 (89063024)	30.82948 (89092220)	31.01421 (89090120)	
594.0	26.31376 (89072102)	23.76688 (89072202)	26.67798 (89050102)	31.68043 (89031820)	31.84189 (89092220)	
494.0	21.11955 (89071822)	27.81508 (89082905)	28.86992 (89072202)	31.75636 (89050102)	35.85165 (89031820)	
394.0	29.90409 (89072221)	28.27184 (89010808)	32.25510 (89071822)	30.66598 (89061702)	37.48068 (89050102)	
294.0	20.49875 (89112523)	31.36857 (89112523)	30.31833 (89010808)	29.83311 (89053103)	39.96791 (89072102)	
194.0	29.79312 (89060801)	18.44351 (89121107)	21.31289 (89110718)	38.39205 (89072101)	35.62380 (89070201)	
94.0	17.55545 (89042209)	25.87813 (89041422)	34.37720 (89093005)	30.14785 (89091302)	28.66115 (89081509)	
-6.0	30.07378 (89061604)	32.61338 (89072104)	32.75274 (89102407)	27.76566 (89041422)	31.09579 (89041422)	
-106.0	28.91844 (89072222)	28.83631 (89072222)	23.68737 (89093002)	24.01454 (89121510)	29.49480 (89061916)	
-206.0	29.65772 (89090806)	31.82135 (89090806)	33.51374 (89091301)	33.73186 (89091301)	37.70988 (89072406)	
-306.0	33.32587 (89072122)	32.49316 (89072122)	37.63647 (89093003)	41.26410 (89093003)	46.59796 (89112504)	
-406.0	31.21152 (89090801)	35.53659 (89090701)	33.33648 (89091322)	40.52031 (89090722)	43.96495 (89081201)	
-506.0	30.53466 (89090722)	33.13348 (89093001)	34.12733 (89090421)	39.18121 (89053004)	35.52133 (89041124)	
-606.0	29.80903 (89053004)	32.27884 (89041124)	32.98201 (89070203)	31.29294 (89070202)	42.07525 (89072403)	
-706.0	30.76439 (89070203)	24.30572 (89070202)	32.01003 (89062605)	36.52604 (89090702)	35.48969 (89090704)	
-806.0	29.81712 (89070202)	31.31534 (89072605)	31.78663 (89041201)	34.76577 (89090704)	32.03084 (89090804)	
-906.0	29.13586 (89092002)	25.16302 (89101206)	27.01448 (89080805)	29.56936 (89090804)	35.99830 (89011103)	
-1006.0	25.20196 (89080805)	20.13109 (89112420)	26.56778 (89090804)	31.71148 (89011103)	30.76566 (89091002)	
-1106.0	20.75577 (89112420)	23.62590 (89090804)	27.96831 (89011103)	28.65615 (89081023)	22.05913 (89102423)	
-1206.0	22.05725 (89101204)	24.76616 (89011103)	27.14703 (89112519)	23.32474 (89101205)	30.29892 (89011102)	
-1306.0	23.35959 (89050104)	25.14985 (89053102)	25.31479 (89091002)	26.63248 (89011104)	23.22253 (89090606)	
-1406.0	25.11720 (89081023)	23.35777 (89081102)	19.49284 (89090907)	20.79022 (89090506)	25.27992 (89101122)	
-1506.0	23.41188 (89112519)	14.41596 (89032119)	24.25941 (89011104)	22.52065 (89090606)	27.67151 (89061004)	



\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	-511.00	-411.00	-311.00	-211.00	-111.00
894.0	17.73138 (89120509)	25.17509 (89091604)	26.22442 (89043023)	30.84904 (89050421)	29.86961 (89070821)
794.0	17.75373 (89112524)	25.71041 (89053105)	27.37756 (89043024)	22.31239 (89050421)	33.56836 (89010719)
694.0	28.04502 (89061623)	20.25008 (89120509)	29.66123 (89043024)	34.41725 (89043023)	33.26773 (89050101)
594.0	31.19901 (89010622)	20.11658 (89112524)	30.72969 (89071806)	33.81631 (89043023)	32.99488 (89010721)
494.0	37.15089 (89053104)	33.07209 (89061623)	25.98921 (89010907)	33.00937 (89043024)	33.95609 (89050421)
394.0	40.30327 (89031820)	33.35742 (89053104)	28.73423 (89110609)	32.60465 (89091604)	31.81236 (89112623)
294.0	42.65221 (89062105)	44.19590 (89031820)	42.22926 (89072023)	36.93663 (89062708)	44.63387 (89043023)
194.0	43.22255 (89120801)	43.53978 (89062105)	47.84173 (89053124)	44.65681 (89091509)	46.82526 (89071806)
94.0	45.72689 (89053023)	47.68980 (89053103)	45.68996 (89112808)	54.13503 (89061920)	63.78440 (89020504)
-6.0	48.07094 (89093005)	41.90434 (89032708)	57.95429 (89072101)	70.17517 (89072303)	82.85349 (89082219)
-106.0	36.18054 (89010909)	47.64122 (89101602)	54.94670 (89022008)	78.23570 (89082009)	114.52874 (89060717)
-206.0	42.42001 (89090806)	45.04591 (89090806)	56.15212 (89121716)	82.04894 (89121716)	131.75064 (89121716)
-306.0	47.27275 (89090801)	50.35042 (89090801)	57.97490 (89101203)	82.30213 (89090805)	118.53688 (89092907)
-406.0	49.04972 (89090805)	56.25213 (89072204)	58.37507 (89052902)	69.09801 (89090704)	87.55958 (89092904)
-506.0	43.93309 (89090601)	48.89730 (89092002)	45.17670 (89011123)	53.18024 (89122811)	68.77049 (89101122)
-606.0	35.18097 (89041201)	34.50096 (89121708)	45.86082 (89011103)	51.05158 (89011019)	56.62623 (89090703)
-706.0	33.54948 (89090904)	44.82321 (89011103)	44.01724 (89090907)	42.91955 (89101122)	49.21843 (89102721)
-806.0	40.63235 (89011103)	40.09304 (89101205)	34.83260 (89092407)	45.55923 (89091904)	42.82869 (89011121)
-906.0	33.24011 (89091002)	38.62115 (89011104)	33.18423 (89061004)	41.49318 (89101307)	44.62476 (89072603)
-1006.0	32.05644 (89090907)	33.99531 (89092407)	37.20411 (89041123)	35.93638 (89102721)	35.75887 (89012009)
-1106.0	25.82005 (89090506)	32.34773 (89061004)	32.10232 (89101307)	27.46667 (89102421)	34.39764 (89012009)
-1206.0	29.61290 (89101122)	33.05316 (89092407)	29.52785 (89102620)	31.98192 (89061804)	33.69802 (89050905)
-1306.0	30.18984 (89061004)	24.53285 (89101307)	27.49286 (89102721)	31.27666 (89041305)	31.05679 (89081024)
-1406.0	28.88682 (89041123)	26.99863 (89042023)	19.34108 (89061804)	26.44180 (89062603)	30.17027 (89082006)
-1506.0	20.75624 (89091904)	24.10868 (89011020)	27.65307 (89011121)	22.95595 (89012009)	26.44556 (89091822)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS)	189.00	289.00	389.00
894.0	31.36281 (89100620)	31.95001 (89020522)	31.43822 (89082606)	31.23199 (89052422)	32.16420 (89042523)	
794.0	32.34317 (89010302)	32.82635 (89040702)	35.33875 (89040824)	33.40990 (89120620)	33.99734 (89013120)	
694.0	34.75471 (89022803)	36.89061 (89040702)	37.55157 (89032020)	37.07979 (89072005)	35.85657 (89033024)	
594.0	37.93359 (89021701)	38.50602 (89010720)	40.78261 (89031121)	39.10715 (89042523)	34.25576 (89040623)	
494.0	38.07142 (89021701)	43.63976 (89050921)	42.76452 (89082521)	43.63971 (89022720)	39.64646 (89032106)	
394.0	33.97166 (89070517)	45.79909 (89040702)	44.87019 (89011520)	46.28300 (89010802)	36.33679 (89050524)	
294.0	41.40313 (89101809)	46.75237 (89050921)	54.73525 (89071623)	47.60327 (89033021)	42.00219 (89052524)	
194.0	64.70290 (89072022)	54.01706 (89010724)	64.13573 (89022720)	47.83335 (89090203)	48.71321 (89080522)	
94.0	71.67966 (89041417)	73.20086 (89100718)	66.08427 (89042805)	54.05557 (89120517)	59.79100 (89080624)	
-6.0	107.92558 (89020602)	111.23782 (89012618)	85.09846 (89061612)	71.12150 (89052519)	53.70067 (89042621)	
-106.0	201.36745 (89123105)	259.65137 (89040820)	131.98129 (89022618)	84.03819 (89040515)	60.11189 (89092607)	
-206.0	535.31421 (89090503)	756.11273 (89030607)	161.81133 (89082409)	87.64518 (89030607)	63.54630 (89122112)	
-306.0	214.22945 (89090507)	357.75836 (89120401)	104.19781 (89122617)	67.19236 (89072213)	60.45423 (89121010)	
-406.0	106.45099 (89042105)	112.82578 (89011608)	94.99373 (89103006)	67.12869 (89121524)	54.25100 (89121320)	
-506.0	82.94069 (89102921)	79.33358 (89100422)	71.19138 (89112323)	56.86501 (89042706)	47.99171 (89042808)	
-606.0	67.99297 (89072424)	67.17915 (89122119)	66.92846 (89010405)	61.14404 (89112322)	49.63622 (89050124)	
-706.0	57.97499 (89041306)	58.06174 (89020907)	55.17710 (89102924)	53.46200 (89112402)	51.59296 (89010407)	
-806.0	46.67852 (89020803)	49.99974 (89081923)	50.44683 (89102320)	46.83466 (89122201)	45.87736 (89111623)	
-906.0	45.74339 (89022824)	44.78777 (89032524)	45.09235 (89021002)	41.79150 (89010405)	42.59798 (89112402)	
-1006.0	40.27766 (89041207)	41.24227 (89032524)	40.94273 (89012304)	38.74735 (89102323)	39.49369 (89051101)	
-1106.0	38.12473 (89081101)	37.18158 (89052804)	36.95445 (89020804)	36.18510 (89102924)	36.00060 (89102702)	
-1206.0	34.62418 (89081101)	35.34724 (89052804)	35.49070 (89011606)	34.55639 (89012005)	32.61740 (89120119)	
-1306.0	31.47316 (89031920)	33.16323 (89052804)	30.33002 (89102404)	32.35284 (89072522)	30.29682 (89122202)	
-1406.0	30.62106 (89031920)	31.04980 (89012024)	29.28795 (89092323)	30.96372 (89120106)	30.09808 (89102323)	
-1506.0	29.11617 (89102503)	29.56226 (89012024)	26.65762 (89102507)	29.30478 (89102406)	29.26637 (89022422)	

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	489.00	589.00	689.00	789.00	889.00
894.0	29.44497 (89033024)	30.56684 (89063004)	29.59172 (89090203)	28.65416 (89033022)	28.23804 (89042921)
794.0	31.23247 (89052504)	31.56343 (89013122)	30.19776 (89033102)	29.08568 (89031223)	28.92970 (89080522)
694.0	33.12385 (89031301)	31.92297 (89071023)	31.58509 (89032204)	29.88983 (89072822)	30.27454 (89081702)
594.0	34.64201 (89050524)	33.11008 (89011521)	32.02557 (89010320)	31.36123 (89081702)	29.99049 (89042622)
494.0	35.71124 (89040902)	33.82673 (89120421)	34.88901 (89011522)	32.76532 (89122521)	32.04145 (89042702)
394.0	36.31906 (89052524)	34.69823 (89011522)	34.92582 (89122521)	36.56610 (89080704)	33.26395 (89092206)
294.0	37.35315 (89072822)	38.41456 (89052521)	36.65693 (89031220)	34.98502 (89031322)	36.00844 (89051522)
194.0	46.12962 (89052521)	44.60522 (89031323)	42.09421 (89061321)	38.02322 (89080703)	36.14326 (89071024)
94.0	47.89864 (89031322)	43.04523 (89010121)	42.21370 (89052118)	33.65964 (89061423)	28.22905 (89120422)
-6.0	50.19139 (89050202)	37.36456 (89080701)	34.86609 (89060224)	38.49685 (89060224)	37.82075 (89050123)
-106.0	48.76505 (89052608)	46.91863 (89063003)	46.81884 (89060222)	41.88969 (89071122)	36.51279 (89092203)
-206.0	48.54657 (89052302)	38.05017 (89052302)	32.90321 (89091522)	33.74402 (89091522)	33.63717 (89091522)
-306.0	38.49110 (89030608)	37.75071 (89040522)	44.51938 (89102902)	40.95475 (89010321)	37.49685 (89102004)
-406.0	37.84564 (89101816)	36.06309 (89072213)	44.00929 (89102019)	31.26563 (89110519)	32.21285 (89091501)
-506.0	39.90163 (89110616)	46.92022 (89100305)	32.76219 (89102021)	34.21091 (89100304)	35.22823 (89122421)
-606.0	37.70813 (89092020)	33.63766 (89033105)	37.78652 (89071201)	38.46132 (89100305)	33.55517 (89102021)
-706.0	42.41780 (89050702)	37.47740 (89033124)	29.79353 (89033105)	32.70385 (89071201)	33.91290 (89102002)
-806.0	40.37696 (89121619)	36.99644 (89010322)	36.56055 (89033124)	29.95911 (89091802)	33.32364 (89092122)
-906.0	40.48592 (89050204)	37.86335 (89101922)	35.57967 (89010419)	34.39268 (89040604)	31.97803 (89091802)
-1006.0	36.90779 (89111623)	35.55217 (89010407)	33.87239 (89110305)	33.51501 (89102604)	31.89855 (89040604)
-1106.0	35.78020 (89050205)	34.55228 (89011604)	31.62962 (89110306)	31.67406 (89040603)	31.60081 (89022423)
-1206.0	32.87276 (89072604)	30.46758 (89022403)	30.58921 (89051102)	29.95514 (89120219)	29.49631 (89052801)
-1306.0	31.35405 (89102501)	30.87486 (89051122)	29.94895 (89091903)	29.88939 (89111805)	27.72378 (89101922)
-1406.0	30.25831 (89102823)	29.25405 (89090201)	25.86033 (89022403)	27.39221 (89031020)	27.73935 (89091001)
-1506.0	28.70655 (89112921)	27.71176 (89110302)	28.16137 (89051122)	26.78513 (89091903)	26.70740 (89091723)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00	1389.00
894.0	26.85816 (89031601)	25.17502 (89011522)	23.08229 (89122521)	24.92290 (89082323)	24.21968 (89050823)
794.0	27.78913 (89011522)	24.66890 (89082004)	26.77635 (89020120)	26.43184 (89050823)	23.20771 (89031323)
694.0	26.91651 (89082004)	28.76555 (89020120)	26.42827 (89050823)	23.41610 (89022623)	25.91323 (89061421)
594.0	29.62089 (89042702)	27.49426 (89031323)	28.43687 (89051622)	27.45462 (89060924)	24.83789 (89011523)
494.0	31.45848 (89020321)	29.97131 (89061421)	28.40354 (89060922)	27.40471 (89040621)	26.57319 (89061023)
394.0	31.19551 (89061321)	31.04435 (89040621)	29.50147 (89061023)	28.72992 (89051424)	25.65335 (89102007)
294.0	32.21904 (89061506)	31.65604 (89071024)	28.51118 (89112106)	28.98343 (89052621)	27.06555 (89090922)
194.0	30.39803 (89052118)	31.51618 (89090922)	23.79189 (89080702)	24.68028 (89080701)	27.01524 (89050701)
94.0	29.12322 (89080701)	32.95642 (89102005)	31.21196 (89112019)	25.78500 (89050123)	21.65338 (89100306)
-6.0	29.13423 (89032521)	31.08229 (89102003)	31.99503 (89063003)	27.40329 (89063003)	26.59344 (89052116)
-106.0	37.08303 (89092203)	33.59634 (89092203)	29.49751 (89052116)	28.65599 (89062705)	28.05819 (89062024)
-206.0	33.09896 (89091522)	32.28196 (89091522)	31.29434 (89091522)	30.21125 (89091522)	29.08459 (89091522)
-306.0	34.31646 (89101924)	32.17934 (89101924)	28.15816 (89101924)	23.48355 (89102004)	19.50017 (89101924)
-406.0	32.64573 (89122520)	30.06147 (89102006)	32.10693 (89120319)	30.09513 (89040522)	27.32974 (89040522)
-506.0	33.79699 (89011603)	32.20012 (89110519)	28.73482 (89091501)	29.30727 (89091501)	22.34322 (89112107)
-606.0	29.21785 (89041922)	31.56970 (89080223)	29.04891 (89031720)	29.82725 (89050624)	27.58388 (89102001)
-706.0	32.35677 (89101305)	31.88642 (89102021)	30.02911 (89041922)	29.42118 (89100304)	27.43832 (89052117)
-806.0	32.06939 (89111622)	31.70053 (89102002)	29.75924 (89101305)	29.40203 (89122122)	27.78460 (89041922)
-906.0	29.52989 (89052722)	27.18939 (89111703)	28.90239 (89051222)	26.70398 (89121321)	26.79569 (89101305)
-1006.0	29.96767 (89120105)	28.34766 (89033105)	28.81118 (89041521)	26.20310 (89071201)	22.76275 (89102002)
-1106.0	29.71397 (89042006)	28.76908 (89082723)	21.97097 (89033105)	25.39987 (89052722)	22.74273 (89122419)
-1206.0	29.69218 (89022423)	28.21376 (89042006)	26.86935 (89082723)	22.71898 (89102403)	23.63833 (89033106)
-1306.0	27.32752 (89102903)	27.60681 (89022423)	26.64114 (89042006)	25.61599 (89122619)	23.80512 (89091802)
-1406.0	27.32223 (89051506)	26.77620 (89102903)	25.53793 (89022423)	25.07845 (89042006)	24.57234 (89122619)
-1506.0	26.38309 (89120219)	25.23795 (89110203)	25.14866 (89102903)	23.84953 (89050221)	23.56110 (89042006)

\*\*MODELOPTs: CONC

RURAL FLAT                      DEFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S):            1407        , GEN03        ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	4.22014 (89100108)	5.93056c(89092224)	5.22269c(89092224)	5.05916 (89072024)	5.41991 (89030508)
794.0	3.73229c(89062008)	4.74695 (89100108)	7.02857c(89092224)	5.05615 (89100108)	5.34274 (89030508)
694.0	4.35822c(89062008)	4.37053c(89062008)	5.40538 (89100108)	8.09982c(89092224)	5.36966 (89072024)
594.0	4.89014c(89120808)	5.43750c(89072208)	5.15165c(89062008)	6.24626 (89100108)	8.80305c(89092224)
494.0	5.37258c(89101608)	5.49479c(89120808)	6.50119c(89072208)	6.08994c(89062008)	7.34912 (89100108)
394.0	8.26598 (89072308)	4.71197c(89010808)	5.84302c(89101608)	6.96091c(89072208)	7.15838c(89062008)
294.0	5.81294c(89112524)	7.75073 (89072308)	8.48003 (89072308)	7.51289c(89101608)	7.26978c(89120808)
194.0	5.66295c(89082908)	5.37524c(89110724)	6.96591c(89110724)	10.07138 (89072308)	6.77627 (89072308)
94.0	5.28725c(89041424)	4.69132 (89061708)	6.15897c(89082908)	7.13550c(89082908)	8.39143c(89110724)
-6.0	5.01635c(89060608)	5.43556c(89072108)	6.47615c(89101608)	4.90029c(89101608)	6.09299 (89061708)
-106.0	5.86569 (89093008)	5.88308 (89093008)	5.51446 (89093008)	6.00310 (89032008)	7.71177 (89032008)
-206.0	5.46370 (89082108)	6.21024 (89082108)	7.15323 (89082108)	8.43025 (89082108)	10.12698 (89082108)
-306.0	8.67154c(89072508)	9.54008c(89072508)	9.88822c(89072508)	9.23866 (89072408)	11.04224 (89072408)
-406.0	7.69489 (89072408)	7.62836 (89072408)	7.34780c(89091324)	8.31650c(89081208)	9.36749c(89081208)
-506.0	6.58910c(89081208)	7.18288c(89081208)	7.62970 (89112424)	7.05872 (89070108)	9.77864c(89072208)
-606.0	5.47395c(89081208)	8.07511c(89072208)	7.48592c(89072208)	8.70535 (89090608)	16.03594c(89041208)
-706.0	5.82876c(89072208)	6.90078 (89090608)	9.99792c(89041208)	14.48898c(89041208)	8.64387 (89101208)
-806.0	6.31916 (89090608)	13.44370c(89041208)	8.11094c(89041208)	6.93455 (89101208)	6.77217 (89011116)
-906.0	10.87426c(89041208)	5.84095 (89101208)	5.24174 (89101208)	6.10825c(89090908)	8.10050c(89061124)
-1006.0	5.40087 (89101208)	4.96836c(89081908)	5.71111c(89090908)	7.38789c(89061124)	6.71625 (89011116)
-1106.0	4.69837c(89081908)	5.24840c(89090908)	6.78524c(89061124)	6.02107c(89081024)	6.56967 (89011108)
-1206.0	4.78690c(89090908)	6.26032c(89061124)	5.99741c(89081024)	5.09202c(89091008)	12.03636 (89011108)
-1306.0	5.79615c(89061124)	5.65428c(89081024)	5.48660c(89091008)	9.89197 (89011108)	6.57660 (89011108)
-1406.0	5.16377c(89081024)	5.36823c(89091008)	6.60846 (89011108)	8.77036 (89011108)	4.63228 (89090608)
-1506.0	4.88634c(89091008)	3.99325 (89011108)	9.33047 (89011108)	4.98139 (89090608)	4.61192c(89061008)

\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	4.23636c(89123108)	5.18049c(89071808)	6.95863c(89010824)	7.46270c(89050424)	6.02893c(89010724)
794.0	5.94100(89030508)	4.86729c(89091608)	5.65330c(89082508)	7.10469c(89112608)	7.48139c(89010724)
694.0	6.98423(89030508)	5.31195c(89123108)	5.17684c(89071808)	9.54297c(89010824)	8.46487c(89010724)
594.0	6.95861(89072024)	8.40294(89030508)	5.51747c(89091608)	9.46722c(89010824)	9.59453c(89050424)
494.0	8.55112c(89092224)	9.10114(89030508)	7.72824(89030508)	6.82001c(89082508)	11.75668c(89112608)
394.0	8.84608(89100108)	8.87069(89100108)	12.87139(89030508)	7.26987c(89071808)	14.86017c(89112608)
294.0	8.19888c(89062008)	10.96301(89100108)	12.33951(89030508)	13.00377(89030508)	14.86985c(89112608)
194.0	7.54817c(89120808)	8.72450c(89062008)	14.12037(89100108)	20.32808(89030508)	11.21282(89022024)
94.0	13.60691(89072308)	12.10657c(89101608)	12.70365c(89072208)	20.69631(89030508)	26.00137(89030508)
-6.0	9.85267c(89082908)	11.24675c(89121108)	18.22631(89072308)	15.26263(89101616)	32.58929(89030508)
-106.0	9.39874(89030408)	10.48702(89030408)	10.40066(89030408)	17.92145c(89082908)	31.42791c(89101608)
-206.0	12.46079(89082108)	15.83494(89082108)	21.07072(89082108)	30.15786(89082108)	53.29500(89082108)
-306.0	13.71898(89072408)	13.73592(89072408)	14.57555(89112424)	21.22251(89090424)	44.68047(89121908)
-406.0	10.61383(89090424)	12.12201c(89072208)	19.19268(89121908)	21.92649(89092824)	36.81238(89011116)
-506.0	11.23831(89090608)	20.08040c(89041208)	15.97703(89092824)	26.63013(89011116)	27.07061(89021724)
-606.0	9.09811(89101208)	11.06590(89011116)	18.54647(89011116)	22.56847(89011108)	25.00542(89021908)
-706.0	8.52663(89011116)	13.42140(89011116)	13.33775(89011108)	13.47157(89081408)	25.20864(89021908)
-806.0	10.12183(89011116)	8.84036(89080924)	11.78766(89011108)	12.78690(89021808)	15.58361(89011008)
-906.0	7.70884(89011116)	16.17857(89011108)	8.23144(89081408)	13.75954(89021908)	12.60297(89011008)
-1006.0	12.04738(89011108)	8.23765(89090608)	8.43483(89041008)	12.70087(89021908)	9.42812(89011008)
-1106.0	10.53660(89011108)	6.28763(89092408)	9.26263c(89072524)	9.35320(89021908)	7.77863c(89072424)
-1206.0	6.16984(89090608)	6.06769(89041008)	8.65610(89021908)	9.05775c(89091108)	8.39344c(89112408)
-1306.0	5.18515(89092408)	6.10271c(89072524)	8.05721(89021908)	10.31443c(89091108)	9.68269c(89112408)
-1406.0	4.59642(89041008)	7.69349c(89072524)	6.56574(89021908)	8.21475c(89091108)	9.93752c(89112408)
-1506.0	4.51208(89041008)	6.07623(89021908)	5.31860c(89091108)	5.24632c(89082008)	9.47478c(89112408)

\*\*MODELOPTs: CONC

RURAL FLAT

DEFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	7.51721 (89031524)	10.16877c(89020524)	6.46188 (89031424)	7.54026c(89020124)	9.06268 (89042524)
794.0	8.10564 (89031524)	10.68307c(89020524)	7.92358 (89031424)	7.72474 (89052324)	8.52929 (89042524)
694.0	8.85230 (89030424)	11.11125c(89020524)	9.47010 (89031424)	8.12124c(89072008)	7.89401 (89042524)
594.0	9.92342 (89030424)	11.37480c(89020524)	10.66179 (89031424)	10.77582 (89042524)	10.34987c(89052508)
494.0	11.17988 (89030424)	11.37174c(89020524)	12.10680c(89020124)	11.52960c(89010308)	11.16497 (89033024)
394.0	12.55386 (89030424)	13.00822 (89033008)	13.27877c(89020124)	9.91451c(89072008)	11.25019c(89070324)
294.0	13.93282 (89030524)	14.91263 (89033008)	13.25249c(89040708)	13.52021 (89033024)	11.06366 (89040908)
194.0	18.13111c(89041424)	19.42585 (89120824)	17.25322c(89052124)	17.41487c(89070324)	9.92985c(89031608)
94.0	34.11908c(89112608)	27.54343 (89031424)	21.90430c(89042808)	14.73596 (89030608)	15.42239c(89080624)
-6.0	50.26167c(89112608)	45.11686 (89022808)	20.60517c(89061724)	23.65342c(89022616)	22.05036 (89060908)
-106.0	68.41979c(89123108)	99.34280 (89050524)	43.28702c(89022616)	25.28340 (89060916)	16.23756c(89122616)
-206.0	197.90442 (89082108)	185.94528 (89120516)	35.77781 (89120516)	19.97115 (89120516)	14.25606c(89123124)
-306.0	99.70889 (89081008)	99.04435 (89122408)	27.07139 (89111608)	25.19368c(89052124)	13.97943 (89101824)
-406.0	75.41695 (89021908)	54.05558 (89012308)	28.75577 (89010408)	25.00266c(89121008)	17.98685c(89121324)
-506.0	38.84830 (89011008)	31.80077 (89032408)	24.66382 (89120916)	14.70364c(89121624)	20.23948c(89121008)
-606.0	22.68396 (89012016)	26.19726 (89032408)	19.53286c(89032508)	16.14266 (89041516)	11.60854c(89040608)
-706.0	23.64521c(89112408)	21.35375 (89032408)	17.33780 (89102324)	14.74801 (89022408)	16.44333 (89010408)
-806.0	18.61783c(89112408)	17.38281 (89032408)	20.86683 (89102324)	13.08837c(89032508)	16.33549 (89022408)
-906.0	15.82364c(89102824)	14.26692 (89032408)	20.85041 (89012308)	12.50774c(89040608)	12.68823 (89022408)
-1006.0	15.63222c(89102824)	12.51677 (89012024)	16.72095 (89012308)	8.40498 (89102324)	9.15392c(89051108)
-1106.0	14.39973c(89102824)	12.33150 (89012024)	10.75871 (89012308)	13.05482 (89102324)	11.95123 (89091808)
-1206.0	12.82155c(89102824)	11.92222 (89012024)	8.94150 (89011608)	13.86913 (89102324)	10.83487c(89040608)
-1306.0	11.90770 (89020808)	11.55481c(89092008)	7.68085c(89041608)	11.68724 (89012308)	8.04774c(89040608)
-1406.0	11.46877 (89020808)	11.49114c(89092008)	7.32281c(89041608)	12.20005 (89012308)	8.00376 (89102324)
-1506.0	10.98384 (89020808)	11.29193c(89092008)	6.78938c(89041608)	11.11484 (89012308)	9.68631 (89102324)

\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
INCLUDING SOURCE(S): 1407 , GEN03 , \*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	6.80870c(89072008)	7.85356 (89033024)	5.33351c(89080524)	7.13707c(89032208)	4.84865c(89081724)
794.0	10.20471c(89052508)	7.60354c(89080524)	7.23526c(89032208)	4.93550c(89081724)	6.58185c(89031608)
694.0	9.29377 (89033024)	5.76531 (89012924)	6.46225c(89032208)	6.00072c(89031608)	8.92764c(89062908)
594.0	8.37162c(89080524)	8.19118c(89032208)	5.41826c(89120424)	9.96343c(89062908)	7.25500c(89072724)
494.0	8.47734 (89040908)	6.10089c(89080224)	10.86252c(89062908)	8.18816c(89072724)	6.76170c(89120524)
394.0	7.08221c(89042724)	11.24149c(89062908)	9.22412c(89072724)	8.16353 (89050824)	13.15086 (89031324)
294.0	10.46508c(89031608)	10.27439c(89072724)	9.80195 (89031324)	14.29087c(89061324)	12.07637c(89061324)
194.0	12.27813c(89080624)	16.67287 (89031324)	18.40266c(89061324)	11.68131c(89061008)	8.47981 (89060924)
94.0	17.86990 (89031324)	14.85141c(89061008)	10.61814 (89060924)	10.40164c(89052624)	10.34376c(89080708)
-6.0	13.67291 (89060916)	10.16995c(89080708)	12.84157c(89080708)	7.05865c(89120524)	6.30540c(89100308)
-106.0	14.23985c(89072424)	11.80406 (89010116)	9.05854c(89060224)	6.96674c(89052116)	6.31410c(89052116)
-206.0	10.83473c(89123124)	8.43741c(89123124)	6.73377c(89123124)	5.62400c(89091524)	5.60619c(89091524)
-306.0	8.43974c(89122524)	9.40448c(89122524)	7.46706c(89040524)	6.20923c(89102908)	5.85516 (89102008)
-406.0	14.40267c(89052124)	10.67010c(89052124)	7.33542c(89102024)	7.80000c(89090224)	6.73018c(89112108)
-506.0	7.01156c(89052024)	17.06539c(89121324)	9.40835c(89052124)	9.47483c(89052124)	6.16633c(89052124)
-606.0	15.20310c(89121008)	11.03272c(89033108)	10.12009c(89121324)	12.70156c(89121324)	6.90362c(89052124)
-706.0	9.11528 (89122324)	11.55723c(89121008)	8.27653c(89033108)	5.45664c(89033108)	12.38854c(89121324)
-806.0	12.10015c(89121624)	7.72151 (89022424)	10.05513c(89122624)	4.94967c(89120408)	9.56809c(89033108)
-906.0	10.77399 (89010408)	9.36960c(89040608)	8.27816 (89022424)	9.21860c(89122624)	5.74819c(89120108)
-1006.0	15.41976 (89022408)	11.19607c(89030924)	9.38358c(89040608)	8.24414 (89022424)	8.40280c(89122624)
-1106.0	10.78227 (89022408)	6.70730 (89112924)	8.22715c(89121624)	8.33689c(89040608)	7.90359 (89022424)
-1206.0	7.59723c(89090208)	13.42062 (89022408)	9.10232c(89030924)	7.21712c(89121624)	6.89578c(89040608)
-1306.0	8.77445 (89091808)	9.20995 (89022408)	7.16998 (89022408)	9.35446c(89030924)	6.33077 (89110308)
-1406.0	9.77113 (89091808)	6.76765 (89021008)	11.48470 (89022408)	6.88138c(89091724)	6.81058c(89030924)
-1506.0	9.20619c(89040608)	7.31621c(89090208)	7.94102 (89022408)	7.66042 (89022408)	7.91670c(89030924)



\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	989.00	1089.00	1189.00	1289.00	1389.00
894.0	6.71082c(89031608)	7.01391c(89062908)	5.14135c(89072724)	6.05436c(89072724)	5.13385c(89120524)
794.0	7.92319c(89062908)	5.74199c(89072724)	5.97377c(89072724)	6.01432 (89050824)	7.40126 (89031324)
694.0	6.44190c(89072724)	5.62783c(89072724)	6.59096 (89050824)	9.06977 (89031324)	9.63191c(89061324)
594.0	5.92547c(89120524)	7.45577 (89031324)	9.82084 (89031324)	12.12111c(89061324)	8.25438c(89061324)
494.0	10.58835 (89031324)	11.71846c(89061324)	11.71272c(89061324)	9.43786c(89061008)	5.92258c(89061008)
394.0	15.05477c(89061324)	10.84741c(89061008)	7.23002c(89061008)	5.85314 (89060924)	4.59472c(89051624)
294.0	9.07210c(89061008)	6.97071 (89060924)	5.23578c(89052624)	9.11455c(89052624)	7.94086c(89052624)
194.0	7.67124c(89052624)	9.98131c(89052624)	9.03475c(89080708)	8.99902c(89080708)	5.78028c(89080708)
94.0	10.87113c(89080708)	5.85501c(89060224)	5.26796c(89120524)	4.86449c(89100308)	3.60890c(89100308)
-6.0	5.50817 (89010116)	5.45413c(89032524)	4.58356c(89032524)	4.52781c(89060224)	4.06314c(89060224)
-106.0	5.56264c(89052116)	5.33421c(89031224)	5.58065c(89031224)	5.67722c(89031224)	5.64454c(89031224)
-206.0	5.51649c(89091524)	5.38033c(89091524)	5.21572c(89091524)	5.03521c(89091524)	4.84743c(89091524)
-306.0	5.71941c(89101924)	5.36322c(89101924)	4.69303c(89101924)	3.98707c(89062724)	4.33998c(89062724)
-406.0	7.57194c(89122524)	7.05342c(89122524)	5.37248c(89122524)	5.05722c(89051224)	4.70413c(89051224)
-506.0	6.03509c(89102024)	7.02751c(89090224)	6.02998c(89090224)	5.71539c(89112108)	5.28041c(89122524)
-606.0	7.75497c(89052124)	6.49527c(89100308)	5.03781c(89122424)	5.04120c(89111008)	5.65305c(89090224)
-706.0	9.41816c(89121324)	5.42672c(89052124)	6.36724c(89052124)	5.99657c(89100308)	4.78014c(89100308)
-806.0	6.54443c(89121324)	11.75016c(89121324)	7.18142c(89121324)	4.90501c(89102024)	5.32328c(89052124)
-906.0	10.06617c(89033108)	4.53687c(89122424)	7.92810c(89121324)	10.15026c(89121324)	5.63629c(89121324)
-1006.0	6.31411c(89120108)	8.18591c(89033108)	7.19177c(89033108)	4.65496c(89121324)	8.32113c(89121324)
-1106.0	7.64970c(89122624)	6.33677c(89120108)	5.83867c(89033108)	8.50316c(89033108)	3.79045c(89122424)
-1206.0	7.42580 (89022424)	6.97329c(89122624)	6.04761c(89120108)	3.99561c(89120408)	8.20270c(89033108)
-1306.0	5.83832c(89090224)	6.90395 (89022424)	6.37314c(89122624)	5.61290c(89120108)	3.46612c(89120108)
-1406.0	6.34470c(89040608)	5.74583c(89090224)	6.38633 (89022424)	5.84521c(89122624)	5.41944c(89122624)
-1506.0	5.56061c(89121624)	6.14227c(89040608)	5.46102c(89090224)	5.89055 (89022424)	5.38090c(89122624)

\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	3.93286c(89071324)	5.68149 (89100108)	5.04042 (89100108)	4.11048 (89030508)	3.91067c(89123108)
794.0	3.37534c(89082124)	4.28726c(89071324)	6.28309 (89100108)	4.17400c(89092224)	4.96016c(89061624)
694.0	4.33216c(89072208)	3.74431c(89062108)	4.66912c(89031824)	6.95521 (89100108)	5.16904c(89090124)
594.0	4.79692c(89082908)	4.55359 (89061708)	4.44527c(89062108)	5.30822 (89072124)	7.67505 (89100108)
494.0	3.55452c(89071824)	4.64934c(89071824)	5.38613 (89061708)	5.29126c(89062108)	6.14284 (89072124)
394.0	3.93128c(89070208)	4.56422c(89101608)	5.51157c(89071824)	5.78510 (89061708)	6.24474c(89062108)
294.0	5.74428c(89110724)	6.64350c(89112524)	5.05305c(89010808)	3.86675c(89071824)	7.18408c(89072108)
194.0	5.11487c(89091308)	5.23659 (89081924)	6.22997c(89112524)	6.99842c(89112524)	5.87443c(89101608)
94.0	3.66519 (89061708)	4.31302c(89041424)	5.80850c(89091308)	6.42375c(89121108)	7.00705c(89121108)
-6.0	5.01230c(89061608)	4.92833c(89101608)	4.79834c(89072108)	4.62761c(89041424)	5.18263c(89041424)
-106.0	5.45177c(89090108)	5.47579c(89090108)	5.30645c(89090108)	5.67990 (89030408)	7.50938 (89030408)
-206.0	5.42419c(89070208)	5.65926c(89070208)	5.86232c(89070208)	6.20522c(89011208)	7.23934c(89011208)
-306.0	6.81765 (89072408)	7.45089 (89072408)	8.19444 (89072408)	9.15537c(89072508)	9.00914 (89053008)
-406.0	5.40926c(89091324)	7.24716c(89091324)	7.26905c(89081208)	6.78454c(89090724)	9.34071 (89112424)
-506.0	5.33143 (89112508)	6.77440 (89112424)	7.16337c(89081208)	6.69939c(89081208)	7.21317 (89070108)
-606.0	5.29836c(89090908)	5.52806c(89090724)	6.15659c(89081508)	6.38435c(89070208)	7.92551 (89072408)
-706.0	5.27873c(89081508)	5.52631c(89070208)	6.11731 (89090608)	6.74635 (89082024)	7.22842 (89090708)
-806.0	6.17531c(89041208)	4.96926 (89072408)	5.77953 (89082024)	6.36301 (89090708)	6.29374c(89090908)
-906.0	5.20344c(89021708)	5.13720c(89061924)	5.03982 (89090708)	5.59930 (89011116)	7.95987 (89011116)
-1006.0	4.27208 (89090708)	3.96783 (89101208)	4.72817 (89011116)	6.49548 (89011116)	6.45334c(89091008)
-1106.0	3.26387 (89092824)	4.17835c(89051808)	5.41773 (89011116)	5.81191 (89011116)	5.32235 (89081008)
-1206.0	3.89827c(89061124)	4.60002 (89011116)	5.03879 (89011116)	4.71492 (89080924)	5.29581 (89011024)
-1306.0	3.96377 (89011116)	4.39329 (89011116)	4.38139 (89080924)	4.57704 (89081008)	5.64152 (89090608)
-1406.0	3.85741 (89011116)	3.93645 (89080924)	3.81108 (89081008)	4.45241 (89011024)	4.45313 (89092408)
-1506.0	3.90198c(89112524)	3.12987 (89080924)	4.07503 (89011024)	4.43898 (89011108)	4.42672 (89092408)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	3.79706 (89030508)	4.19585c(89091608)	5.32614 (89043024)	6.13284c(89112608)	5.01269c(89070824)
794.0	4.94899c(89123108)	3.59342c(89071808)	5.44102 (89043024)	6.45882c(89010824)	5.98781c(89041424)
694.0	4.67426c(89061624)	5.18851 (89030508)	4.37770 (89043024)	7.60898c(89112608)	7.67472c(89041424)
594.0	6.42745 (89030508)	6.13424c(89123108)	5.12162c(89071808)	7.13156c(89112608)	9.30226c(89041424)
494.0	8.37064 (89100108)	6.08916 (89072024)	6.99785c(89123108)	6.20444 (89043024)	10.58431c(89050424)
394.0	7.35205 (89030508)	8.71056 (89030508)	7.94353c(89020508)	6.50167c(89020508)	11.71913c(89010824)
294.0	7.10870c(89062108)	9.89449 (89030508)	10.19304 (89072024)	10.43870c(89020508)	14.18063c(89010824)
194.0	7.33120c(89101608)	7.80033c(89072208)	13.93671 (89030508)	11.87364c(89020508)	10.91309c(89020508)
94.0	8.12585c(89072108)	5.97724 (89053108)	8.67233c(89120808)	19.30151 (89100108)	19.41182c(89020508)
-6.0	7.91249 (89093008)	9.15648c(89110724)	11.10961c(89101608)	12.94505c(89072208)	28.91163 (89100108)
-106.0	9.38072 (89032008)	9.46271 (89032008)	9.27744c(89090108)	17.58977 (89101516)	20.99076c(89092524)
-206.0	8.44679c(89011208)	9.73303c(89011208)	12.56543c(89072324)	18.17761c(89072324)	33.47919c(89072324)
-306.0	9.04241c(89092308)	12.78915c(89091324)	12.90561 (89070108)	20.65864 (89070108)	36.49059 (89090408)
-406.0	10.36550 (89112424)	11.45476 (89070108)	14.71246 (89122024)	19.71868 (89121816)	32.45107 (89080924)
-506.0	9.99463 (89121908)	11.29485 (89082024)	14.82234 (89011116)	19.86284 (89080924)	26.24541 (89081408)
-606.0	8.59520 (89082024)	10.97417 (89092824)	12.72819 (89080924)	18.45638 (89081008)	23.31631 (89021808)
-706.0	7.79343 (89092824)	10.35673c(89061124)	12.57351 (89081008)	13.40014 (89021724)	16.52402 (89011008)
-806.0	9.03376c(89061124)	8.71868 (89011116)	10.13034 (89090608)	12.64488 (89041008)	14.60943 (89021908)
-906.0	7.62837 (89080924)	8.55149 (89081008)	8.21356 (89021724)	12.31412c(89072524)	12.27879c(89091108)
-1006.0	6.95341 (89081008)	6.61094 (89011108)	7.93975 (89021808)	9.21618c(89072508)	9.30862 (89021824)
-1106.0	5.79587 (89090608)	5.77704 (89021724)	7.61448 (89021908)	7.82837 (89011008)	7.76260 (89021824)
-1206.0	5.05567 (89092408)	5.54359 (89021808)	8.26405c(89072524)	7.32759 (89011008)	7.51238 (89012016)
-1306.0	5.03164c(89061008)	5.64931 (89041008)	6.96288c(89072508)	6.47519 (89011008)	7.13960 (89012016)
-1406.0	4.15155 (89091908)	5.75668 (89021908)	4.94776c(89072424)	5.51455 (89011008)	6.64892 (89012016)
-1506.0	4.07502 (89021808)	6.00089c(89072508)	4.93436 (89021908)	5.24394c(89091108)	6.12780 (89012016)

\*\*MODELOPTs: CONC

RURAL FLAT                      DEFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S):            1407            , GEN03            ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	7.22377 (89030424)	7.52504c(89010624)	6.27777 (89040824)	7.47338 (89011524)	6.78482c(89010308)
794.0	7.97673 (89030424)	8.10481c(89010624)	7.30455 (89040824)	7.32799c(89040708)	8.22205c(89071508)
694.0	8.69453 (89031524)	8.70908 (89033008)	8.59782c(89031124)	8.00314 (89052324)	7.86513c(89072008)
594.0	9.25906 (89031524)	9.88367 (89033008)	9.71214c(89031124)	9.07761 (89032924)	6.94855 (89033024)
494.0	9.75561 (89031524)	11.31720 (89033008)	11.54382 (89011524)	10.85704 (89042524)	8.23974c(89070324)
394.0	11.51721 (89030524)	11.02189 (89120824)	11.83218 (89020324)	9.54603c(89052124)	9.74714c(89042908)
294.0	13.84798 (89030424)	14.42873 (89120824)	12.95517 (89032924)	12.82164c(89070324)	10.04161 (89052524)
194.0	17.03935 (89011224)	19.42372 (89020516)	16.76472c(89010308)	14.45504c(89042908)	9.63748 (89092608)
94.0	27.65347c(89041424)	26.73216 (89022808)	21.74879c(89070324)	13.22134c(89011316)	14.16700 (89052524)
-6.0	32.28713 (89120708)	43.52413 (89010708)	18.71642c(89070324)	18.70838 (89052524)	21.12741 (89060924)
-106.0	59.50653 (89030508)	72.91967 (89022724)	40.26357 (89061116)	24.62061c(89122616)	12.14494c(89080708)
-206.0	133.67162c(89072324)	155.46790c(89031224)	26.65704c(89071608)	18.95327c(89123124)	12.80708 (89120516)
-306.0	87.74809 (89021724)	85.57664 (89112908)	25.14845 (89112116)	16.50289c(89040624)	13.51473c(89040624)
-406.0	60.96936 (89011008)	49.47296 (89020716)	27.00719c(89121624)	15.66777 (89111608)	13.16548 (89121224)
-506.0	33.34364 (89021824)	31.38381 (89010924)	21.42897 (89112908)	13.84309c(89040608)	11.11177c(89122624)
-606.0	22.20074 (89021824)	23.07145 (89041016)	14.37899 (89122408)	15.05790 (89120916)	10.97565 (89122324)
-706.0	19.04825 (89012016)	17.08927 (89041016)	17.04278c(89012724)	13.20885 (89112324)	12.74830c(89030924)
-806.0	15.20608 (89012016)	14.51312 (89020908)	19.52484c(89012724)	12.68233 (89091808)	10.54873c(89052708)
-906.0	13.28574c(89112408)	12.50729 (89020908)	17.61212 (89102608)	10.05739 (89091808)	10.30775c(89051124)
-1006.0	12.48600 (89020808)	11.85110 (89032408)	14.43925 (89102608)	8.35534 (89020824)	8.89672c(89090208)
-1106.0	12.48745 (89020808)	10.97360c(89092008)	9.83700 (89011608)	11.27385c(89012724)	9.84291c(89090208)
-1206.0	12.26471 (89020808)	11.41368c(89092008)	8.10201c(89040124)	12.56306c(89012724)	8.18247 (89091808)
-1306.0	11.24142c(89102824)	11.40368 (89012024)	7.45400 (89011608)	11.66782 (89102324)	6.04696 (89020824)
-1406.0	9.84036c(89041224)	10.83449 (89012024)	6.33588 (89103008)	11.34910 (89102608)	6.73434 (89020824)
-1506.0	9.44495c(89041224)	10.25416 (89012024)	6.09896 (89103008)	10.56133 (89102608)	8.09542c(89012724)

\*\*MODELOPTs: CONC

RURAL FLAT

DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
INCLUDING SOURCE(S): 1407 , GEN03 ,

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\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	6.62855c(89122724)	5.76741c(89042624)	4.93195c(89090208)	5.52722 (89040908)	4.75871c(89031224)
794.0	6.32328 (89033024)	6.35324 (89033024)	6.39618 (89040908)	4.85993c(89031224)	5.50902c(89062908)
694.0	6.43232c(89042624)	5.72883c(89031608)	5.99871c(89091424)	5.15269c(89072824)	6.29501c(89092208)
594.0	7.58976c(89070324)	7.55845 (89040908)	5.26719c(89040624)	7.01771c(89031608)	5.03800c(89122524)
494.0	7.54139c(89031608)	5.77350c(89120424)	8.25638c(89031608)	5.86137c(89080624)	6.42038c(89031224)
394.0	7.05726c(89080224)	9.56481c(89031608)	7.35283c(89080624)	8.15329c(89031224)	11.10480c(89022624)
294.0	10.29176c(89062908)	9.44477c(89080624)	9.16786c(89031224)	13.19395 (89060924)	11.52414c(89061008)
194.0	10.95956c(89072724)	13.54225c(89022624)	16.27385 (89060924)	8.76554 (89060924)	6.97955c(89122524)
94.0	17.21848 (89060924)	12.31083 (89060924)	8.25451 (89060916)	6.39328c(89061424)	7.31703c(89052624)
-6.0	13.46699 (89060924)	8.96341c(89052624)	6.67545c(89122616)	7.04456c(89060224)	5.87173 (89010116)
-106.0	13.64623 (89010116)	10.87728c(89072424)	8.98330 (89010116)	6.62437c(89060224)	5.56656c(89080608)
-206.0	8.94386 (89120516)	6.60626 (89120516)	5.48387c(89091524)	5.49246c(89123124)	4.89175c(89051508)
-306.0	6.88449c(89080424)	6.25199c(89040524)	6.35991c(89102908)	6.09894 (89102008)	5.40451c(89101924)
-406.0	7.70963 (89121224)	9.00199c(89100308)	6.42132c(89090224)	5.41738c(89112108)	6.41242c(89122524)
-506.0	6.49198c(89071208)	8.06923 (89121224)	5.47830c(89102024)	7.99269c(89100308)	5.87137c(89122424)
-606.0	11.27728c(89122624)	6.46054c(89052024)	8.61972c(89111624)	6.54925c(89100308)	5.59918c(89102024)
-706.0	8.66241 (89050124)	10.83438c(89122624)	5.98369c(89120408)	5.45064c(89071208)	6.31492c(89111624)
-806.0	10.07289 (89110308)	7.52379 (89050124)	9.01405c(89121008)	4.76438c(89121008)	5.42922c(89122424)
-906.0	10.05286c(89091724)	8.90457c(89121624)	7.39500c(89050224)	7.33068c(89121008)	4.70232c(89092024)
-1006.0	9.09393 (89050624)	11.08416 (89010408)	8.07876c(89110208)	7.32061c(89050224)	6.10122c(89121008)
-1106.0	9.23662c(89051124)	6.69261c(89091724)	6.96549c(89030924)	7.43276c(89110208)	7.07472c(89050224)
-1206.0	6.96279c(89051108)	7.92378 (89050624)	8.60633c(89091724)	7.02741 (89110308)	6.26030c(89110208)
-1306.0	8.57623c(89090208)	8.18817c(89051124)	6.76270 (89050624)	8.15489 (89010408)	6.27023c(89040608)
-1406.0	8.48950c(89090208)	6.38824c(89090208)	6.74297 (89050624)	5.80602 (89112924)	5.93449c(89121624)
-1506.0	6.70529 (89091808)	6.85029 (89110308)	7.26150c(89051124)	6.91098 (89050624)	7.09210c(89091724)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00	1389.00
894.0	6.61060c(89062908)	5.63420c(89092208)	3.84711c(89122524)	4.38630c(89082324)	5.13374 (89050824)
794.0	5.97881c(89092208)	4.21281c(89122524)	4.51651c(89082324)	5.35941c(89120524)	5.97174c(89022624)
694.0	4.61304c(89122524)	5.10513 (89071124)	5.36636c(89031224)	7.69237c(89022624)	8.66856 (89060924)
594.0	5.62123 (89071124)	6.44652 (89050824)	8.56816c(89022624)	10.68284 (89060924)	8.11879c(89061008)
494.0	8.49660c(89022624)	10.58367 (89060924)	10.15026 (89060924)	5.40056 (89060924)	5.39926c(89061024)
394.0	13.17740 (89060924)	7.38429c(89061324)	6.05548c(89061024)	5.70831c(89122524)	4.27556c(89122624)
294.0	6.91387 (89060924)	6.34732c(89122524)	4.99150c(89051624)	5.25143c(89061424)	5.11951c(89080708)
194.0	5.52512c(89112108)	5.45030c(89120424)	5.55929c(89052624)	3.04912c(89060224)	4.44862c(89060224)
94.0	4.23781c(89060224)	5.65204c(89080708)	5.21821c(89112024)	3.90525c(89112024)	3.31263c(89032524)
-6.0	5.24240c(89072424)	4.88690 (89010116)	4.57072c(89063008)	3.91476c(89063008)	3.79906c(89052116)
-106.0	5.30790c(89092208)	5.16892c(89080424)	5.19360c(89080424)	4.92304c(89080424)	4.79983c(89062708)
-206.0	4.80201c(89051508)	4.67459c(89051508)	4.52460c(89051508)	4.36246c(89051508)	4.19532c(89051508)
-306.0	5.28241 (89102008)	4.51902 (89102008)	3.72605 (89102008)	3.94796c(89101924)	3.25003c(89101924)
-406.0	5.39747c(89112108)	4.11862c(89052724)	4.65687c(89051224)	4.53746c(89040524)	4.22131 (89102008)
-506.0	5.59806c(89111008)	5.36669c(89110524)	5.27500c(89112108)	4.88455c(89091508)	4.87765c(89112108)
-606.0	5.91734c(89100308)	6.32165c(89052124)	4.84148c(89031724)	4.91739c(89102024)	4.78592c(89121324)
-706.0	5.18757c(89100308)	5.31716c(89102024)	4.20351c(89100308)	5.85545c(89052124)	4.71268c(89122424)
-806.0	5.98789c(89111624)	4.56411c(89040108)	4.75080c(89122508)	4.88499c(89111808)	3.47308 (89041924)
-906.0	4.31050c(89120408)	4.40179c(89041524)	5.37065c(89111624)	4.65674c(89040108)	4.46511c(89122508)
-1006.0	5.10646c(89122624)	4.98473c(89120408)	4.93011c(89122424)	4.38893c(89111624)	4.11950c(89111624)
-1106.0	5.57654 (89033124)	5.45519c(89122624)	4.72352c(89120408)	4.02263c(89122424)	3.70900c(89041524)
-1206.0	6.74081c(89050224)	5.22610 (89033124)	5.58912c(89122624)	3.90377c(89033108)	3.50322c(89120408)
-1306.0	5.77726 (89050124)	6.37170c(89050224)	4.88778 (89033124)	5.56011c(89122624)	3.16692c(89120408)
-1406.0	5.47561c(89110208)	5.53542 (89050124)	5.99743c(89050224)	4.57355 (89033124)	5.12889c(89120108)
-1506.0	5.16913 (89110308)	5.56975c(89110208)	5.16976 (89050124)	5.63046c(89050224)	4.28638 (89033124)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 50 .1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF	TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF	TYPE
1.	995.48987	(89052602)	AT (	89.00,	-206.00)	GC	26.	415.80960	(89070718)	AT (	89.00,	-206.00)	GC
2.	756.11273	(89030607)	AT (	89.00,	-206.00)	GC	27.	411.11444	(89120511)	AT (	89.00,	-206.00)	GC
3.	755.18658	(89082409)	AT (	89.00,	-206.00)	GC	28.	408.18478	(89092608)	AT (	89.00,	-206.00)	GC
4.	752.26801	(89071608)	AT (	89.00,	-206.00)	GC	29.	403.43256	(89102013)	AT (	89.00,	-206.00)	GC
5.	721.90228	(89121219)	AT (	89.00,	-206.00)	GC	30.	389.61023	(89121314)	AT (	89.00,	-206.00)	GC
6.	673.14398	(89030613)	AT (	89.00,	-206.00)	GC	31.	388.45862	(89092710)	AT (	-11.00,	-206.00)	GC
7.	665.90436	(89101716)	AT (	89.00,	-206.00)	GC	32.	386.57849	(89082104)	AT (	-11.00,	-206.00)	GC
8.	600.03436	(89031221)	AT (	89.00,	-206.00)	GC	33.	386.48914	(89061013)	AT (	89.00,	-206.00)	GC
9.	567.12347	(89072223)	AT (	-11.00,	-206.00)	GC	34.	383.90228	(89092209)	AT (	89.00,	-206.00)	GC
10.	535.31421	(89090503)	AT (	-11.00,	-206.00)	GC	35.	383.57324	(89120515)	AT (	89.00,	-206.00)	GC
11.	502.48819	(89122112)	AT (	89.00,	-206.00)	GC	36.	383.45914	(89062717)	AT (	89.00,	-206.00)	GC
12.	498.85666	(89121216)	AT (	89.00,	-206.00)	GC	37.	378.72025	(89072320)	AT (	-11.00,	-206.00)	GC
13.	494.74249	(89080217)	AT (	89.00,	-206.00)	GC	38.	378.30020	(89051901)	AT (	-11.00,	-206.00)	GC
14.	493.30963	(89091319)	AT (	-11.00,	-206.00)	GC	39.	377.94617	(89031709)	AT (	-11.00,	-206.00)	GC
15.	488.62152	(89082103)	AT (	-11.00,	-206.00)	GC	40.	374.23602	(89072406)	AT (	-11.00,	-206.00)	GC
16.	488.08942	(89093022)	AT (	-11.00,	-206.00)	GC	41.	371.66733	(89021709)	AT (	-11.00,	-206.00)	GC
17.	481.65411	(89052302)	AT (	89.00,	-206.00)	GC	42.	367.79099	(89072323)	AT (	-11.00,	-206.00)	GC
18.	477.45093	(89123124)	AT (	89.00,	-206.00)	GC	43.	364.58780	(89062024)	AT (	89.00,	-206.00)	GC
19.	472.18784	(89040517)	AT (	89.00,	-206.00)	GC	44.	359.82224	(89112919)	AT (	89.00,	-306.00)	GC
20.	444.16141	(89072113)	AT (	89.00,	-206.00)	GC	45.	357.75836	(89120401)	AT (	89.00,	-306.00)	GC
21.	442.60187	(89120510)	AT (	89.00,	-206.00)	GC	46.	353.12726	(89121716)	AT (	-11.00,	-206.00)	GC
22.	437.30017	(89052220)	AT (	89.00,	-206.00)	GC	47.	351.54990	(89081006)	AT (	-11.00,	-206.00)	GC
23.	429.67288	(89121303)	AT (	89.00,	-206.00)	GC	48.	351.11520	(89121818)	AT (	-11.00,	-206.00)	GC
24.	418.34570	(89112615)	AT (	89.00,	-206.00)	GC	49.	343.51306	(89123123)	AT (	89.00,	-206.00)	GC
25.	418.26517	(89062718)	AT (	89.00,	-206.00)	GC	50.	342.81592	(89010315)	AT (	89.00,	-206.00)	GC

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

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 50 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	197.90442	(89082108)	AT (	-11.00,	-206.00) GC	26.	80.62061	(89030208)	AT (	-11.00,	-306.00) GC
2.	185.94528	(89120516)	AT (	89.00,	-206.00) GC	27.	79.31860	(89072408)	AT (	-11.00,	-206.00) GC
3.	155.46790c	(89031224)	AT (	89.00,	-206.00) GC	28.	79.08007c	(89040524)	AT (	89.00,	-206.00) GC
4.	147.51566	(89052608)	AT (	89.00,	-206.00) GC	29.	77.27740c	(89090108)	AT (	-11.00,	-206.00) GC
5.	138.56743c	(89062724)	AT (	89.00,	-206.00) GC	30.	75.41695	(89021908)	AT (	-11.00,	-406.00) GC
6.	133.67162c	(89072324)	AT (	-11.00,	-206.00) GC	31.	74.21548	(89031716)	AT (	-11.00,	-206.00) GC
7.	125.37800c	(89071608)	AT (	89.00,	-206.00) GC	32.	72.91967	(89022724)	AT (	89.00,	-106.00) GC
8.	120.75414	(89082416)	AT (	89.00,	-206.00) GC	33.	72.26498	(89022324)	AT (	89.00,	-306.00) GC
9.	117.28057c	(89123124)	AT (	89.00,	-206.00) GC	34.	71.90252	(89121308)	AT (	89.00,	-206.00) GC
10.	105.12497	(89101716)	AT (	89.00,	-206.00) GC	35.	71.72115	(89102016)	AT (	89.00,	-206.00) GC
11.	99.70889	(89081008)	AT (	-11.00,	-306.00) GC	36.	69.85458c	(89093024)	AT (	-11.00,	-206.00) GC
12.	99.52631c	(89112016)	AT (	89.00,	-206.00) GC	37.	69.77200c	(89070724)	AT (	89.00,	-206.00) GC
13.	99.34280	(89050524)	AT (	89.00,	-106.00) GC	38.	68.73486	(89051908)	AT (	-11.00,	-206.00) GC
14.	99.04435	(89122408)	AT (	89.00,	-306.00) GC	39.	68.41979c	(89123108)	AT (	-11.00,	-106.00) GC
15.	96.15344c	(89091324)	AT (	-11.00,	-206.00) GC	40.	67.99363	(89072308)	AT (	-11.00,	-206.00) GC
16.	95.25656	(89030608)	AT (	89.00,	-206.00) GC	41.	66.91428	(89090508)	AT (	-11.00,	-206.00) GC
17.	92.28791	(89121224)	AT (	89.00,	-206.00) GC	42.	66.46507	(89010316)	AT (	89.00,	-206.00) GC
18.	87.74809	(89021724)	AT (	-11.00,	-306.00) GC	43.	66.37460	(89021924)	AT (	-11.00,	-306.00) GC
19.	85.69926	(89072224)	AT (	-11.00,	-206.00) GC	44.	65.64019	(89072116)	AT (	89.00,	-206.00) GC
20.	85.57664	(89112908)	AT (	89.00,	-306.00) GC	45.	65.52267	(89072816)	AT (	89.00,	-206.00) GC
21.	84.34983	(89072416)	AT (	-11.00,	-206.00) GC	46.	64.48030c	(89071016)	AT (	89.00,	-206.00) GC
22.	84.14300	(89030616)	AT (	89.00,	-206.00) GC	47.	63.45527	(89081716)	AT (	89.00,	-206.00) GC
23.	82.45708c	(89080224)	AT (	89.00,	-206.00) GC	48.	62.86037	(89090608)	AT (	-11.00,	-306.00) GC
24.	81.78306	(89071616)	AT (	89.00,	-206.00) GC	49.	62.81354	(89021716)	AT (	-11.00,	-306.00) GC
25.	81.36093	(89122208)	AT (	89.00,	-306.00) GC	50.	62.81102	(89122116)	AT (	89.00,	-206.00) GC

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



\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1989 Met CO  
\*\*\* Revised building height = 38'

\*\*\* 11/24/99  
11:05:13  
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\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

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

\*\* CONC OF CO 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	995.48987 ON 89052602: AT (	89.00, -206.00, 0.00, 0.00)	GC	100METER
	HIGH 2ND HIGH VALUE IS	756.11273 ON 89030607: AT (	89.00, -206.00, 0.00, 0.00)	GC	100METER

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1989 Met CO  
\*\*\* Revised building height = 38'

\*\*\* 11/24/99  
11:05:13  
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\*\*MODELOPTs: CONC

RURAL FLAT DEFAULT

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

\*\* CONC OF CO 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	197.90442 ON 89082108: AT (	-11.00, -206.00, 0.00, 0.00)	GC	100METER
	HIGH 2ND HIGH VALUE IS	155.46790c ON 89031224: AT (	89.00, -206.00, 0.00, 0.00)	GC	100METER

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*      \*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1989 Met CO \*\*\*  
\*\*\* Revised building height = 38'      \*\*\*

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\*\*MODELOPTs: CONC                      RURAL FLAT                      DFAULT

\*\*\* Message Summary : ISCST3 Model Execution \*\*\*

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

A Total of                      0 Fatal Error Message(s)  
A Total of                      0 Warning Message(s)  
A Total of                      2305 Informational Message(s)  
  
A Total of                      2305 Calm Hours Identified

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

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

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

ISCST3 CO 1990

\*\* The results for this run are in file 14ST90C.OUT.

\*\*  
CO STARTING  
TITLEONE FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1990 Met CO  
TITLETWO Revised building height = 38'  
MODELOPT DFAULT RURAL CONC  
AVERTIME 1 8  
POLLUTID CO  
RUNORNOT RUN  
ERRORFIL 14ERR90.OUT  
CO FINISHED

SO STARTING  
LOCATION 1407 POINT 189.36 -305.90

** Point Source	QS	HS	TS	VS	DS
** Parameters:	----	----	----	----	----
SRCPARAM 1407	1.351	17.68	718.1	13.85	2.66

SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDHGT 1407	11.58	11.58	11.58	11.58	11.58	11.58
SO BUILDWID 1407	27.22	26.56	25.08	25.61	26.84	27.26
SO BUILDWID 1407	26.85	25.63	23.63	20.90	17.55	13.66
SO BUILDWID 1407	14.87	18.62	21.79	24.30	26.08	27.06
SO BUILDWID 1407	27.22	26.56	25.08	25.61	26.84	27.26
SO BUILDWID 1407	26.85	25.63	23.63	20.90	17.55	13.66
SO BUILDWID 1407	14.87	18.62	21.79	24.30	26.08	27.06

SO LOCATION GEN03 POINT 50.98 -206.27

** Parameters	QS	HS	TS	VS	DS
**	-----	-----	-----	-----	-----
SO SRCPARAM GEN03	0.283	6.10	644.26	45.49	0.2

SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDHGT GEN03	9.88	9.88	9.88	9.88	9.88	9.88
SO BUILDWID GEN03	82.08	100.88	116.62	128.81	137.09	141.21
SO BUILDWID GEN03	141.03	136.57	127.96	115.46	99.45	80.42
SO BUILDWID GEN03	58.95	35.69	11.34	13.35	37.64	60.78
SO BUILDWID GEN03	82.08	100.88	116.62	128.81	137.09	141.21
SO BUILDWID GEN03	141.03	136.57	127.96	115.46	99.45	80.42
SO BUILDWID GEN03	58.95	35.69	11.34	13.35	37.64	60.78

SO SRCGROUP ALL  
SO FINISHED

RE STARTING  
GRIDCART 100METER STA  
GRIDCART 100METER XYINC -1011 25 100 -1506 25 100  
GRIDCART 100METER END  
RE FINISHED

ME STARTING  
INPUTFIL 14RAM90.ASC  
ANEMHGHT 10  
SURFDATA 93805 1990 TALLAHASSE  
UAIRDATA 12832 1990 APALACHICOLA  
ME FINISHED

OU STARTING  
RECTABLE ALLAVE FIRST SECOND  
MAXTABLE ALLAVE 50  
OU FINISHED

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

\*\*MODELOPTs: CONC

RURAL FLAT

DEFAULT

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

\*\*Intermediate Terrain Processing is Selected

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

-- SCAVENGING/DEPOSITION LOGIC --

\*\*Model Uses NO DRY DEPLETION. DDPLETE = F

\*\*Model Uses NO WET DEPLETION. WDPLETE = F

\*\*NO WET SCAVENGING Data Provided.

\*\*Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

\*\*Model Uses RURAL Dispersion.

\*\*Model Uses 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 2 Short Term Average(s) of: 1-HR 8-HR

\*\*This Run Includes: 2 Source(s); 1 Source Group(s); and 625 Receptor(s)

\*\*The Model Assumes A Pollutant Type of: CO

\*\*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

\*\*Approximate Storage Requirements of Model = 1.3 MB of RAM.

\*\*Input Runstream File: 14st90c.IN  
 \*\*Output Print File: 14st90c.OUT  
 \*\*Detailed Error/Message File: 14ERR90.OUT

\*\*\* ISCST3 - VERSION 98356 \*\*\*      \*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1990 Met CO \*\*\*      11/24/99  
 \*\*\* Revised building height = 38'      \*\*\*      11:05:34  
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\*\*MODELOPTs: CONC                      RURAL FLAT                      DFAULT

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
1407	0	0.13510E+01	189.4	-305.9	0.0	17.68	718.10	13.85	2.66	YES	
GEN03	0	0.28300E+00	51.0	-206.3	0.0	6.10	644.26	45.49	0.20	YES	

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1990 Met CO \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT                      DFAULT

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

GROUP ID

SOURCE IDs

ALL            1407            , GEN03            ,

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1990 Met CO \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT                      DFAULT

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: 1407

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	11.6,	27.2,	0	2	11.6,	26.6,	0	3	11.6,	25.1,	0	4	11.6,	25.6,	0	5	11.6,	26.8,	0	6	11.6,	27.3,	0
7	11.6,	26.9,	0	8	11.6,	25.6,	0	9	11.6,	23.6,	0	10	11.6,	20.9,	0	11	11.6,	17.5,	0	12	11.6,	13.7,	0
13	11.6,	14.9,	0	14	11.6,	18.6,	0	15	11.6,	21.8,	0	16	11.6,	24.3,	0	17	11.6,	26.1,	0	18	11.6,	27.1,	0
19	11.6,	27.2,	0	20	11.6,	26.6,	0	21	11.6,	25.1,	0	22	11.6,	25.6,	0	23	11.6,	26.8,	0	24	11.6,	27.3,	0
25	11.6,	26.9,	0	26	11.6,	25.6,	0	27	11.6,	23.6,	0	28	11.6,	20.9,	0	29	11.6,	17.5,	0	30	11.6,	13.7,	0
31	11.6,	14.9,	0	32	11.6,	18.6,	0	33	11.6,	21.8,	0	34	11.6,	24.3,	0	35	11.6,	26.1,	0	36	11.6,	27.1,	0

SOURCE ID: GEN03

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	9.9,	82.1,	0	2	9.9,	100.9,	0	3	9.9,	116.6,	0	4	9.9,	128.8,	0	5	9.9,	137.1,	0	6	9.9,	141.2,	0
7	9.9,	141.0,	0	8	9.9,	136.6,	0	9	9.9,	128.0,	0	10	9.9,	115.5,	0	11	9.9,	99.4,	0	12	9.9,	80.4,	0
13	9.9,	59.0,	0	14	9.9,	35.7,	0	15	9.9,	11.3,	0	16	9.9,	13.4,	0	17	9.9,	37.6,	0	18	9.9,	60.8,	0
19	9.9,	82.1,	0	20	9.9,	100.9,	0	21	9.9,	116.6,	0	22	9.9,	128.8,	0	23	9.9,	137.1,	0	24	9.9,	141.2,	0
25	9.9,	141.0,	0	26	9.9,	136.6,	0	27	9.9,	128.0,	0	28	9.9,	115.5,	0	29	9.9,	99.4,	0	30	9.9,	80.4,	0
31	9.9,	59.0,	0	32	9.9,	35.7,	0	33	9.9,	11.3,	0	34	9.9,	13.4,	0	35	9.9,	37.6,	0	36	9.9,	60.8,	0



\*\*\* ISCST3 - VERSION 98356 \*\*\*      \*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1990 Met CO \*\*\*  
 \*\*\* Revised building height = 38' \*\*\*

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\*\*MODELOPTs: CONC                      RURAL FLAT                      DFAULT

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
 (METERS)

-1011.0,	-911.0,	-811.0,	-711.0,	-611.0,	-511.0,	-411.0,	-311.0,	-211.0,	-111.0,
-11.0,	89.0,	189.0,	289.0,	389.0,	489.0,	589.0,	689.0,	789.0,	889.0,
989.0,	1089.0,	1189.0,	1289.0,	1389.0,					

\*\*\* Y-COORDINATES OF GRID \*\*\*  
 (METERS)

-1506.0,	-1406.0,	-1306.0,	-1206.0,	-1106.0,	-1006.0,	-906.0,	-806.0,	-706.0,	-606.0,
-506.0,	-406.0,	-306.0,	-206.0,	-106.0,	-6.0,	94.0,	194.0,	294.0,	394.0,
494.0,	594.0,	694.0,	794.0,	894.0,					

\*\*\* ISCST3 - VERSION 98356 \*\*\*      \*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1990 Met CO \*\*\*  
 \*\*\* Revised building height = 38' \*\*\*

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\*\*MODELOPTs: CONC                      RURAL FLAT                      DFAULT

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
 LESS THAN 1.0 METER OR 3\*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE	- - RECEPTOR LOCATION - -		DISTANCE
ID	XR (METERS)	YR (METERS)	(METERS)
1407	189.0	-306.0	0.37



\*\*MODELOPTs: CONC

RURAL FLAT

DFAULT

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

FILE: 14RAM90.ASC

FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)

SURFACE STATION NO.: 93805

UPPER AIR STATION NO.: 12832

NAME: TALLAHASSE

NAME: APALACHICOLA

YEAR: 1990

YEAR: 1990

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M)		USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
								RURAL	URBAN					
90	1	1	1	101.0	1.54	290.9	4	617.0	617.0	0.0000	0.0	0.0000	0	0.00
90	1	1	2	148.0	4.12	288.2	4	617.0	617.0	0.0000	0.0	0.0000	0	0.00
90	1	1	3	164.0	3.60	285.9	4	617.0	617.0	0.0000	0.0	0.0000	0	0.00
90	1	1	4	163.0	3.60	284.8	4	617.0	617.0	0.0000	0.0	0.0000	0	0.00
90	1	1	5	163.0	5.14	283.7	4	617.0	617.0	0.0000	0.0	0.0000	0	0.00
90	1	1	6	172.0	4.63	282.6	5	617.0	736.0	0.0000	0.0	0.0000	0	0.00
90	1	1	7	155.0	5.14	280.9	5	617.0	736.0	0.0000	0.0	0.0000	0	0.00
90	1	1	8	163.0	4.63	279.8	4	34.4	729.4	0.0000	0.0	0.0000	0	0.00
90	1	1	9	157.0	5.14	280.9	4	131.5	710.6	0.0000	0.0	0.0000	0	0.00
90	1	1	10	161.0	3.60	282.0	3	228.6	691.9	0.0000	0.0	0.0000	0	0.00
90	1	1	11	184.0	6.17	282.6	4	325.7	673.2	0.0000	0.0	0.0000	0	0.00
90	1	1	12	146.0	6.17	284.3	4	422.8	654.5	0.0000	0.0	0.0000	0	0.00
90	1	1	13	173.0	8.75	285.4	4	519.9	635.7	0.0000	0.0	0.0000	0	0.00
90	1	1	14	179.0	8.23	286.5	4	617.0	617.0	0.0000	0.0	0.0000	0	0.00
90	1	1	15	182.0	5.66	285.9	4	617.0	617.0	0.0000	0.0	0.0000	0	0.00
90	1	1	16	154.0	5.66	285.9	4	617.0	617.0	0.0000	0.0	0.0000	0	0.00
90	1	1	17	171.0	6.17	285.4	4	617.0	617.0	0.0000	0.0	0.0000	0	0.00
90	1	1	18	187.0	4.63	282.6	5	622.4	598.1	0.0000	0.0	0.0000	0	0.00
90	1	1	19	164.0	1.54	279.8	6	641.4	531.2	0.0000	0.0	0.0000	0	0.00
90	1	1	20	157.0	0.00	277.0	7	660.3	464.4	0.0000	0.0	0.0000	0	0.00
90	1	1	21	160.0	0.00	275.9	7	679.3	397.5	0.0000	0.0	0.0000	0	0.00
90	1	1	22	192.0	4.12	274.3	6	698.3	330.7	0.0000	0.0	0.0000	0	0.00
90	1	1	23	170.0	2.06	275.9	6	717.3	263.8	0.0000	0.0	0.0000	0	0.00
90	1	1	24	170.0	0.00	274.3	7	736.3	197.0	0.0000	0.0	0.0000	0	0.00

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

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	23.53220 (90081501)	25.33319 (90083105)	25.05207 (90012902)	28.24535 (90060802)	26.29946 (90060301)
794.0	27.53160 (90081921)	25.64281 (90081501)	26.89326 (90120306)	29.86708 (90120302)	30.12386 (90120305)
694.0	30.46704 (90071307)	29.36420 (90081921)	27.89434 (90081501)	31.63698 (90120306)	32.54077 (90053105)
594.0	25.54989 (90081503)	33.60241 (90071307)	30.85775 (90081921)	30.17784 (90081501)	34.34702 (90120306)
494.0	26.12676 (90072024)	30.88316 (90081503)	36.51480 (90071307)	33.48668 (90042604)	32.24603 (90081501)
394.0	29.86945 (90042605)	31.57235 (90072104)	29.70950 (90072024)	38.35083 (90071307)	39.17946 (90071307)
294.0	29.30885 (90100404)	32.89837 (90050803)	35.88853 (90042605)	34.64985 (90120301)	38.01586 (90071624)
194.0	31.48033 (90031405)	33.91782 (90060803)	33.44313 (90101624)	37.08778 (90050803)	42.10310 (90100724)
94.0	37.26231 (90071906)	33.40193 (90080404)	37.62926 (90071305)	39.28791 (90021507)	42.62181 (90031505)
-6.0	41.15644 (90071906)	51.03996 (90071906)	59.02815 (90071906)	59.79554 (90071906)	47.09821 (90071906)
-106.0	33.41512 (90042024)	35.13032 (90040923)	38.02490 (90021506)	41.36204 (90021506)	42.62760 (90052521)
-206.0	32.27990 (90091903)	33.17803 (90091903)	36.43059 (90020908)	40.83734 (90020908)	46.17019 (90020908)
-306.0	33.66157 (90041402)	33.27883 (90020908)	38.54835 (90120303)	41.24863 (90092805)	45.47598 (90042402)
-406.0	31.34757 (90032901)	35.63013 (90060202)	34.10842 (90050805)	33.81581 (90022706)	44.41430 (90022707)
-506.0	31.19558 (90022706)	32.84710 (90040902)	44.14384 (90122208)	46.52395 (90122208)	42.28974 (90090204)
-606.0	36.51342 (90122208)	32.20204 (90122208)	35.51122 (90061804)	38.56804 (90100322)	36.53464 (90040905)
-706.0	29.25182 (90061804)	32.68901 (90102124)	35.52609 (90061801)	35.52960 (90030707)	39.85656 (90090506)
-806.0	29.57937 (90021807)	31.47222 (90052606)	34.50987 (90030608)	32.64811 (90082603)	38.15068 (90102123)
-906.0	28.30515 (90030707)	31.46952 (90102005)	31.97162 (90030703)	33.29749 (90102123)	31.22986 (90022620)
-1006.0	29.68780 (90020602)	28.19456 (90030703)	29.32717 (90102024)	27.94660 (90022620)	34.12407 (90110224)
-1106.0	26.47021 (90100307)	26.35256 (90030704)	24.98439 (90022620)	31.34346 (90110224)	32.36386 (90101704)
-1206.0	25.91211 (90030704)	23.28256 (90110223)	26.58509 (90110224)	29.59962 (90100704)	30.11295 (90110402)
-1306.0	21.96087 (90110223)	23.60377 (90100824)	28.40760 (90100706)	22.63418 (90101704)	29.71492 (90100705)
-1406.0	20.74855 (90100824)	24.90013 (90100706)	25.77904 (90101704)	26.35126 (90100303)	28.64475 (90091024)
-1506.0	21.44132 (90110224)	25.04379 (90100704)	23.83283 (90110402)	26.85621 (90110124)	26.67633 (90030504)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	-511.00	-411.00	-311.00	-211.00	-111.00
894.0	17.04900 (90020923)	20.16158 (90121721)	25.44002 (90082601)	29.07504 (90020921)	31.46500 (90031402)
794.0	30.33406 (90060524)	33.18918 (90020923)	32.04612 (90100403)	32.38486 (90041505)	32.36405 (90052101)
694.0	32.37442 (90101801)	20.26152 (90050306)	29.94717 (90121721)	32.92636 (90060505)	37.53743 (90052101)
594.0	36.15178 (90060802)	37.46794 (90060524)	36.83891 (90020923)	28.52320 (90082601)	39.41581 (90051522)
494.0	35.00201 (90012902)	39.13457 (90032407)	27.90578 (90050306)	33.45203 (90121721)	42.70166 (90082407)
394.0	34.35761 (90091603)	42.30202 (90012902)	41.10547 (90101801)	35.69511 (90020923)	43.01363 (90020921)
294.0	49.07310 (90071307)	43.55435 (90070805)	50.25784 (90120304)	42.21677 (90050306)	40.34346 (90071407)
194.0	43.29734 (90031521)	63.17832 (90071307)	54.57494 (90070805)	59.96742 (90032407)	51.49693 (90052806)
94.0	47.93229 (90041003)	54.34163 (90120301)	82.08855 (90071307)	59.85967 (90070805)	73.91534 (90050306)
-6.0	49.55640 (90011708)	56.84701 (90050801)	67.95257 (90030202)	94.89628 (90071307)	87.40356 (90042802)
-106.0	68.86084 (90071906)	103.08572 (90071906)	109.09680 (90071906)	104.41053 (90011708)	118.39299 (90122910)
-206.0	52.28156 (90020908)	58.15739 (90020908)	67.17379 (90052403)	85.90134 (90060206)	144.32458 (90052403)
-306.0	52.40134 (90120307)	60.82285 (90040824)	70.36639 (90020607)	116.30556 (90122208)	117.01620 (90020104)
-406.0	66.12580 (90122208)	56.83474 (90030705)	54.11507 (90090218)	75.92667 (90030702)	94.94917 (90102104)
-506.0	45.73008 (90100322)	48.25379 (90040905)	58.71568 (90102122)	69.29479 (90111422)	77.87685 (90022602)
-606.0	43.87442 (90030608)	45.85471 (90102122)	46.63926 (90111422)	56.57523 (90111501)	66.33936 (90022604)
-706.0	41.66756 (90102123)	37.17172 (90022620)	50.40414 (90113019)	52.68373 (90111522)	55.91342 (90102102)
-806.0	34.57763 (90022620)	42.00368 (90090503)	45.69167 (90111423)	45.87370 (90113024)	50.30802 (90010220)
-906.0	35.55506 (90110302)	39.06945 (90110402)	41.55328 (90030504)	40.35041 (90022606)	44.38855 (90031807)
-1006.0	32.47861 (90101704)	36.52766 (90110222)	35.24778 (90113024)	39.27593 (90072605)	39.63699 (90102105)
-1106.0	34.14178 (90100303)	35.73338 (90030504)	32.60750 (90022604)	36.13201 (90010302)	34.92971 (90102105)
-1206.0	31.72786 (90101705)	32.26071 (90011805)	29.73744 (90022606)	32.90541 (90010220)	35.20544 (90110401)
-1306.0	30.76606 (90030504)	24.30454 (90022604)	29.58731 (90072605)	32.29096 (90031807)	31.40625 (90110401)
-1406.0	29.72751 (90011805)	29.64456 (90081902)	29.80648 (90090504)	29.86853 (90082602)	28.90826 (90091304)
-1506.0	20.81750 (90113024)	24.12113 (90051202)	27.73769 (90091124)	28.60796 (90082805)	28.89903 (90091304)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	37.60779 (90020408)	33.02462 (90020408)	31.65350 (90042923)	31.33662 (90101303)	32.17747 (90122223)
794.0	39.10615 (90020408)	34.78012 (90020408)	31.13845 (90010424)	31.79212 (90083106)	32.29480 (90011124)
694.0	40.30813 (90020408)	36.58908 (90020408)	36.45039 (90052021)	36.97667 (90082324)	35.48859 (90070921)
594.0	40.87855 (90020408)	40.47661 (90081421)	40.43551 (90042924)	39.13085 (90122223)	32.93444 (90040521)
494.0	40.23138 (90020408)	45.23286 (90081421)	43.73830 (90020924)	34.60910 (90011124)	41.22998 (90071101)
394.0	46.95512 (90060224)	48.26117 (90081421)	32.85878 (90020203)	45.81424 (90062122)	45.01041 (90090720)
294.0	43.71735 (90060224)	55.25883 (90021001)	48.15466 (90082324)	51.99269 (90061522)	33.15341 (90032816)
194.0	53.10332 (90020124)	67.55915 (90021001)	51.50953 (90122303)	47.53698 (90070121)	38.94177 (90091416)
94.0	71.99258 (90071521)	83.93027 (90042921)	77.92742 (90061522)	57.20618 (90091416)	59.65929 (90070623)
-6.0	109.72934 (90072019)	119.13261 (90011001)	92.53022 (90010515)	74.99526 (90040120)	56.11518 (90071008)
-106.0	301.52426 (90031520)	274.41064 (90062122)	134.74142 (90082920)	82.90192 (90092618)	63.02819 (90083009)
-206.0	785.28265 (90052403)	1499.78979 (90061521)	158.44064 (90060310)	94.11774 (90060310)	71.83606 (90052903)
-306.0	285.52246 (90110321)	335.44305 (90102605)	130.32103 (90102302)	87.46011 (90062211)	61.54358 (90031712)
-406.0	107.98168 (90090424)	113.47485 (90080809)	98.35105 (90070306)	70.30367 (90060413)	55.99827 (90031918)
-506.0	84.11895 (90120103)	84.09244 (90102306)	79.59542 (90040306)	55.34771 (90011224)	52.55006 (90120820)
-606.0	68.89101 (90010322)	67.29400 (90100502)	64.06201 (90052305)	65.25168 (90070306)	56.47597 (90011224)
-706.0	58.70947 (90010206)	58.19995 (90120907)	55.75082 (90022505)	52.47945 (90040306)	51.43239 (90111021)
-806.0	51.82377 (90010205)	51.20950 (90120907)	51.28364 (90120906)	47.62881 (90100501)	45.43136 (90092401)
-906.0	44.27417 (90051024)	46.28610 (90120423)	45.35895 (90102601)	43.65499 (90052305)	42.20242 (90012204)
-1006.0	40.33783 (90120121)	41.30431 (90120423)	41.41771 (90010123)	39.10170 (90102503)	39.54860 (90102619)
-1106.0	38.41306 (90111419)	38.19251 (90040806)	36.98560 (90111106)	37.77645 (90013001)	34.48515 (90080307)
-1206.0	34.85537 (90111419)	36.19585 (90040806)	35.63335 (90020520)	34.17149 (90100424)	33.13585 (90122506)
-1306.0	31.93138 (90111524)	33.87302 (90040806)	33.60330 (90120506)	33.06228 (90120424)	31.26127 (90123107)
-1406.0	31.01838 (90111524)	31.48702 (90040806)	30.68252 (90120506)	31.03176 (90122507)	30.53771 (90010119)
-1506.0	29.55116 (90111524)	29.51696 (90102820)	29.38839 (90082303)	29.35055 (90111108)	28.51535 (90052923)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	489.00	589.00	689.00	789.00	889.00
894.0	30.47871 (90062105)	30.54243 (90071101)	29.70269 (90070205)	26.53071 (90052201)	23.19607 (90022407)
794.0	31.42746 (90122119)	31.03938 (90101222)	30.02349 (90052201)	30.36050 (90022407)	29.29368 (90072922)
694.0	35.47994 (90071101)	32.18572 (90123104)	31.49283 (90010919)	31.31401 (90010921)	30.12031 (90082922)
594.0	38.13884 (90022408)	29.69591 (90052201)	32.58206 (90010921)	31.17310 (90082922)	31.39051 (90061421)
494.0	33.46299 (90092120)	28.80090 (90010919)	32.50916 (90052823)	33.83881 (90061421)	33.36416 (90042821)
394.0	43.33545 (90070523)	33.61378 (90052823)	35.90292 (90061421)	36.54873 (90070521)	32.99516 (90070122)
294.0	33.19873 (90080701)	41.96312 (90110923)	40.39383 (90061023)	34.91901 (90061922)	35.95017 (90060502)
194.0	49.96786 (90070623)	44.18838 (90052702)	42.12646 (90061423)	33.25478 (90011123)	36.22195 (90061101)
94.0	53.85931 (90061922)	33.67177 (90011123)	43.25525 (90090722)	40.99216 (90070101)	37.86486 (90061024)
-6.0	56.36549 (90070522)	46.71177 (90061024)	44.67096 (90032221)	41.46425 (90070622)	34.72055 (90090721)
-106.0	54.52267 (90090721)	51.85006 (90070201)	40.70864 (90070201)	34.85726 (90031802)	36.66020 (90022420)
-206.0	62.22409 (90052903)	54.83801 (90052903)	48.73168 (90052903)	43.73399 (90052903)	39.62842 (90061022)
-306.0	49.59506 (90040403)	52.52648 (90070106)	41.38882 (90070106)	39.87436 (90070704)	39.28654 (90070704)
-406.0	56.86252 (90070124)	50.66867 (90021121)	35.23844 (90080723)	41.69473 (90070102)	37.31850 (90070103)
-506.0	55.33492 (90022501)	49.76899 (90070703)	44.45663 (90102505)	35.82777 (90031804)	34.18639 (90012203)
-606.0	48.06382 (90120820)	45.41430 (90102604)	42.33001 (90081906)	39.47270 (90022503)	36.70996 (90102505)
-706.0	45.02616 (90052922)	39.85045 (90120820)	41.15966 (90012123)	37.99004 (90022501)	36.43237 (90040321)
-806.0	41.92366 (90012605)	41.16005 (90040322)	35.92322 (90080605)	31.79398 (90012123)	33.73624 (90022502)
-906.0	40.80761 (90011207)	38.35043 (90022403)	36.57636 (90032424)	33.93224 (90080605)	28.17271 (90101321)
-1006.0	37.77460 (90102422)	37.12741 (90102607)	34.46328 (90031923)	31.90959 (90041804)	31.53342 (90080605)
-1106.0	36.09542 (90012204)	32.94590 (90032020)	32.16942 (90012205)	31.53712 (90031923)	30.73799 (90041804)
-1206.0	32.93386 (90072801)	32.03210 (90012208)	30.48693 (90011207)	30.05311 (90102506)	30.32184 (90120420)
-1306.0	31.46183 (90102523)	30.96969 (90012204)	30.07547 (90120702)	29.03188 (90102607)	28.91262 (90030403)
-1406.0	30.47968 (90010922)	30.02149 (90012606)	29.63480 (90012208)	27.66885 (90072502)	28.29699 (90012205)
-1506.0	29.04457 (90122506)	27.83147 (90122521)	28.19883 (90030523)	26.69313 (90072404)	24.43510 (90072502)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): 1407 , GEN03 , \*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	989.00	1089.00	1189.00	1289.00	1389.00
894.0	26.94028 (90072922)	26.55166 (90082922)	26.37352 (90122919)	25.21844 (90053002)	24.05319 (90070424)
794.0	28.45365 (90082922)	27.96693 (90122919)	27.03909 (90011202)	26.22678 (90070424)	25.21947 (90043023)
694.0	29.48990 (90122919)	29.08747 (90011202)	27.85476 (90011022)	23.51329 (90043023)	25.90153 (90083004)
594.0	29.63419 (90011202)	29.49258 (90011022)	28.31286 (90092121)	26.04699 (90061623)	26.49607 (90070601)
494.0	31.40425 (90052702)	29.95216 (90083004)	28.33118 (90072921)	27.48279 (90011123)	26.66357 (90050102)
394.0	32.19341 (90061623)	30.81562 (90042122)	29.62622 (90050102)	28.84658 (90032422)	27.49593 (90052824)
294.0	32.19158 (90050102)	31.70882 (90061101)	30.17361 (90011204)	29.27504 (90041623)	27.36981 (90031224)
194.0	33.66660 (90121202)	31.38348 (90072221)	30.55181 (90031922)	30.10081 (90020522)	27.98242 (90060704)
94.0	33.71504 (90032221)	33.63913 (90050103)	31.20992 (90070622)	30.21223 (90012608)	28.95135 (90022406)
-6.0	33.72744 (90011201)	32.65975 (90011119)	31.98008 (90052902)	29.93934 (90062701)	28.38901 (90031802)
-106.0	37.21449 (90022420)	33.70199 (90022420)	28.63941 (90022420)	28.53013 (90072703)	28.68498 (90072703)
-206.0	36.96180 (90061022)	34.51488 (90061022)	32.27809 (90061022)	30.89160 (90040423)	29.67479 (90040423)
-306.0	37.51209 (90021123)	33.78358 (90021123)	32.20566 (90070702)	30.11563 (90012219)	29.47671 (90010923)
-406.0	37.24171 (90040403)	32.04961 (90083120)	31.93299 (90092222)	29.95298 (90070605)	28.21741 (90050203)
-506.0	32.44855 (90061904)	33.51689 (90080723)	31.26754 (90070102)	29.22470 (90012607)	28.93665 (90012607)
-606.0	31.43323 (90052905)	33.41379 (90031804)	30.04302 (90082422)	29.52950 (90061904)	28.48149 (90031801)
-706.0	34.54593 (90022503)	31.81940 (90052921)	29.98921 (90052905)	29.90524 (90013002)	27.81305 (90012203)
-806.0	32.71214 (90102507)	31.72131 (90030505)	29.93433 (90112119)	28.74352 (90052904)	26.36443 (90052905)
-906.0	31.71445 (90040320)	30.31419 (90101322)	29.11665 (90012201)	28.00178 (90111723)	26.92290 (90112119)
-1006.0	29.33078 (90101321)	29.45054 (90010822)	28.50268 (90072421)	27.99579 (90021120)	25.11986 (90040321)
-1106.0	30.02608 (90010824)	28.82513 (90062421)	27.96058 (90010822)	27.86084 (90032106)	26.23958 (90101322)
-1206.0	28.98701 (90041804)	28.47211 (90010824)	26.91518 (90062421)	23.68809 (90010822)	25.42143 (90060906)
-1306.0	27.78309 (90120420)	27.02921 (90041804)	26.85643 (90010824)	24.35032 (90062421)	18.79949 (90010822)
-1406.0	25.76167 (90022403)	26.32444 (90072424)	25.14798 (90010903)	25.25806 (90010824)	22.11776 (90120820)
-1506.0	26.44477 (90102506)	25.43613 (90022404)	24.77209 (90072424)	24.03326 (90010903)	23.71558 (90010824)



\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	-1011.00	-911.00	-811.00	-711.00	-611.00
894.0	23.51021 (90070401)	24.09166 (90091603)	23.49796 (90120302)	25.86576 (90010501)	25.40610 (90060524)
794.0	26.16890 (90030824)	24.17551 (90070401)	26.64624 (90091522)	26.02757 (90012902)	28.15419 (90032407)
694.0	22.75970 (90060203)	26.60017 (90030824)	24.55641 (90070401)	31.30285 (90091522)	31.23314 (90120302)
594.0	25.17910 (90050802)	28.02470 (90101701)	28.75170 (90042604)	25.52620 (90072023)	33.92373 (90091522)
494.0	24.73281 (90120301)	27.02119 (90031521)	33.17786 (90101701)	32.13441 (90071307)	28.29507 (90091603)
394.0	29.45073 (90082604)	30.51151 (90073001)	27.94023 (90032202)	36.43539 (90050802)	38.42154 (90042604)
294.0	28.75852 (90100301)	31.19278 (90050406)	34.29918 (90042424)	34.64009 (90030123)	37.37324 (90071307)
194.0	31.36316 (90042406)	32.36365 (90112707)	33.27828 (90031505)	36.47367 (90041003)	38.55913 (90073001)
94.0	33.19817 (90042407)	31.25278 (90031503)	34.50227 (90050804)	38.96356 (90011708)	40.88818 (90101624)
-6.0	30.29239 (90042101)	34.53402 (90051204)	37.82355 (90062624)	38.95468 (90052504)	40.91588 (90042407)
-106.0	33.23684 (90090502)	32.42885 (90042024)	36.55908 (90040923)	40.34707 (90052521)	42.29436 (90071906)
-206.0	31.95910 (90072701)	32.82654 (90020908)	33.83433 (90091903)	36.05241 (90052403)	40.96442 (90052403)
-306.0	33.40620 (90062702)	32.86176 (90041402)	37.62414 (90092805)	41.18264 (90120303)	45.40369 (90042501)
-406.0	31.33268 (90100701)	34.26190 (90100405)	33.41847 (90060202)	33.67001 (90040903)	43.93977 (90100523)
-506.0	31.10274 (90040903)	32.50077 (90122208)	36.79804 (90032924)	39.16846 (90040901)	42.00363 (90061804)
-606.0	30.75023 (90091305)	32.16655 (90030705)	33.18594 (90090204)	36.94352 (90102124)	36.33228 (90090106)
-706.0	29.11131 (90032902)	32.58242 (90090122)	35.49041 (90090202)	28.07938 (90040905)	39.85656 (90100402)
-806.0	29.40973 (90061801)	28.10100 (90121419)	31.97897 (90080504)	32.25348 (90030702)	34.40855 (90102024)
-906.0	23.01325 (90052606)	27.60002 (90020602)	27.56494 (90102122)	32.25241 (90102024)	26.22221 (90110223)
-1006.0	29.19939 (90083102)	27.42555 (90102122)	29.28158 (90091306)	25.61455 (90110223)	29.73461 (90102002)
-1106.0	24.66190 (90102122)	26.32998 (90102024)	24.54798 (90110223)	27.18329 (90100824)	30.49669 (90113019)
-1206.0	23.54138 (90102024)	22.39410 (90022620)	26.06379 (90100824)	28.16901 (90110302)	25.34449 (90111501)
-1306.0	20.17202 (90022620)	21.71087 (90110224)	27.45918 (90110302)	21.69986 (90111501)	27.07255 (90111423)
-1406.0	18.42822 (90111422)	23.40954 (90110302)	23.24017 (90113019)	25.82565 (90110402)	27.85037 (90101705)
-1506.0	20.14080 (90100706)	23.16331 (90101704)	19.17904 (90111501)	25.73485 (90100705)	24.19081 (90110303)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	15.63234 (90050306)	19.85902 (90062921)	20.21469 (90100403)	27.17657 (90082407)	30.86191 (90071721)
794.0	27.13138 (90050306)	17.27105 (90070405)	27.61147 (90121721)	31.19044 (90020921)	30.27210 (90112519)
694.0	32.22498 (90060301)	19.02254 (90020923)	29.35894 (90062921)	30.58551 (90082601)	34.69505 (90051522)
594.0	34.98181 (90010501)	29.85571 (90050306)	23.12285 (90070405)	21.86400 (90081108)	39.37967 (90071521)
494.0	32.69346 (90031501)	33.71436 (90120305)	23.91144 (90021310)	32.71826 (90100403)	39.78011 (90020921)
394.0	34.28464 (90070805)	40.87744 (90120302)	39.64340 (90031520)	31.62914 (90070405)	33.62422 (90041505)
294.0	42.12582 (90042604)	41.71539 (90091603)	46.82887 (90053105)	33.75289 (90021310)	38.73449 (90112309)
194.0	41.28351 (90032202)	44.96734 (90060203)	48.77811 (90091603)	50.79446 (90031520)	49.67057 (90072319)
94.0	47.73527 (90080823)	54.31699 (90030123)	60.52283 (90060203)	55.60409 (90081508)	59.38710 (90012009)
-6.0	49.47559 (90091403)	56.42262 (90112707)	64.25610 (90100321)	78.12881 (90071624)	86.10625 (90031501)
-106.0	34.83590 (90021901)	59.66139 (90051204)	56.09663 (90041401)	89.37461 (90052405)	117.11328 (90011910)
-206.0	47.24352 (90052403)	55.57489 (90052403)	60.55404 (90020908)	85.26940 (90052403)	139.00568 (90060206)
-306.0	47.68543 (90032901)	59.28835 (90100405)	66.96600 (90022706)	88.60484 (90091824)	116.54945 (90040905)
-406.0	49.36789 (90032924)	56.13992 (90080407)	52.43316 (90091709)	75.31783 (90102121)	86.87926 (90121708)
-506.0	41.26989 (90061302)	47.88246 (90090106)	44.98714 (90030702)	65.44810 (90100824)	76.86884 (90111502)
-606.0	43.39888 (90102023)	40.04634 (90102123)	46.54129 (90100824)	50.92221 (90110402)	50.33194 (90072519)
-706.0	34.25578 (90102024)	31.73008 (90100824)	50.25477 (90102004)	52.64309 (90022602)	55.57632 (90072605)
-806.0	26.00178 (90113020)	41.65163 (90110302)	44.14103 (90022601)	36.86623 (90022605)	49.56615 (90090505)
-906.0	35.42497 (90101703)	35.79301 (90111501)	41.01226 (90110323)	40.30555 (90022603)	43.31090 (90022607)
-1006.0	31.39233 (90113019)	34.03570 (90102006)	34.03088 (90022605)	37.01163 (90102102)	39.45915 (90091806)
-1106.0	32.41156 (90110305)	33.63218 (90110323)	29.41563 (90081902)	34.34210 (90090504)	34.70368 (90082107)
-1206.0	30.69925 (90091024)	31.49485 (90061806)	29.71452 (90022603)	32.62342 (90090505)	32.88356 (90041801)
-1306.0	28.05547 (90110323)	21.57481 (90113024)	27.55724 (90051202)	30.28456 (90110719)	30.41487 (90041801)
-1406.0	29.17288 (90061806)	21.62567 (90022604)	25.54585 (90010302)	28.98773 (90031807)	25.53325 (90091703)
-1506.0	19.83069 (90011805)	22.06293 (90022606)	25.19528 (90010302)	28.12363 (90102105)	25.30022 (90020604)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	31.52822 (90042922)	28.81833 (90071202)	31.46695 (90090724)	28.89377 (90083106)	28.00132 (90051404)
794.0	31.42655 (90042922)	32.44802 (90071202)	29.68408 (90042923)	31.72784 (90010904)	32.23053 (90121723)
694.0	29.81664 (90042922)	36.40948 (90071202)	33.14731 (90032920)	32.95322 (90051622)	34.32664 (90062122)
594.0	29.78108 (90060224)	40.42067 (90071202)	37.40578 (90052021)	32.58494 (90042721)	30.25402 (90062105)
494.0	39.22165 (90060224)	43.76711 (90071202)	43.15825 (90061523)	34.50172 (90121723)	41.20429 (90061701)
394.0	37.39059 (90020408)	44.85388 (90071202)	32.66462 (90083106)	43.13959 (90070921)	44.76911 (90022408)
294.0	42.86275 (90082509)	46.05941 (90081421)	38.03324 (90042807)	46.67955 (90071101)	33.00567 (90062215)
194.0	53.00785 (90121621)	62.86087 (90062821)	50.98307 (90082119)	46.86938 (90082219)	37.14348 (90052207)
94.0	71.62777 (90071622)	79.83345 (90010424)	69.65620 (90040521)	51.04811 (90051719)	51.69731 (90031921)
-6.0	108.23040 (90020323)	110.17278 (90012516)	88.29107 (90112311)	68.15571 (90082723)	55.99196 (90012113)
-106.0	213.72975 (90101801)	203.50481 (90020405)	131.63402 (90080219)	78.26958 (90110519)	59.83963 (90010604)
-206.0	566.25366 (90030623)	1499.02344 (90052903)	156.03487 (90060412)	93.18445 (90060412)	71.23966 (90061521)
-306.0	283.36588 (90040904)	323.45435 (90092303)	128.43890 (90102304)	85.91940 (90111009)	59.83324 (90070203)
-406.0	107.14353 (90013015)	111.90603 (90091609)	96.12115 (90102603)	69.03349 (90010809)	53.42142 (90040404)
-506.0	72.28728 (90091806)	79.88364 (90041604)	75.64001 (90051103)	54.92566 (90120824)	52.24478 (90120419)
-606.0	63.40287 (90091703)	63.87539 (90092302)	60.45094 (90102605)	62.06728 (90011301)	46.31474 (90052922)
-706.0	52.14605 (90091703)	57.96914 (90120701)	54.52791 (90052304)	52.46149 (90102324)	51.20895 (90111708)
-806.0	48.26335 (90103006)	50.77238 (90103004)	46.62019 (90100424)	46.52235 (90040305)	44.31977 (90112901)
-906.0	44.08911 (90101401)	46.20450 (90111203)	45.04537 (90122507)	40.92472 (90111102)	42.02451 (90102324)
-1006.0	40.32360 (90111419)	41.24070 (90111203)	40.88556 (90010301)	38.92090 (90012923)	38.92836 (90072724)
-1106.0	37.46993 (90120121)	37.28843 (90091205)	36.55851 (90071103)	37.50936 (90102423)	34.47300 (90072503)
-1206.0	33.30287 (90120121)	35.43674 (90091205)	35.41304 (90123005)	33.44152 (90051823)	32.92908 (90120903)
-1306.0	31.09141 (90102106)	33.23793 (90091205)	33.36065 (90103003)	31.93775 (90111020)	30.13003 (90102503)
-1406.0	28.85121 (90102106)	30.99697 (90102820)	30.48242 (90103003)	30.74796 (90011020)	30.18200 (90012923)
-1506.0	27.39784 (90013007)	29.17465 (90040806)	28.98168 (90071805)	29.06007 (90102403)	28.31340 (90110801)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): 1407 , GEN03 , \*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	29.36169 (90010920)	30.53146 (90061701)	29.68411 (90092224)	24.26299 (90060422)	22.02704 (90010919)
794.0	31.02787 (90040521)	30.88833 (90073124)	29.48558 (90092120)	29.75881 (90010919)	26.51685 (90010921)
694.0	35.46355 (90061701)	31.92297 (90081022)	31.11144 (90060422)	30.78763 (90030301)	26.74063 (90052823)
594.0	36.27896 (90090720)	28.06762 (90060422)	31.93643 (90030301)	29.83324 (90052823)	30.78312 (90122919)
494.0	30.08218 (90052201)	27.85120 (90070523)	30.94939 (90082922)	31.56659 (90122919)	31.40361 (90040120)
394.0	43.24267 (90010919)	30.69619 (90080701)	35.42163 (90110923)	33.28165 (90042821)	32.99516 (90090621)
294.0	31.19928 (90052207)	39.32793 (90070623)	36.41909 (90070521)	34.62500 (90070122)	32.66375 (90070601)
194.0	48.53814 (90110923)	35.60939 (90061023)	38.81023 (90061422)	32.91564 (90050102)	36.10477 (90061923)
94.0	47.00324 (90070122)	33.56195 (90051707)	42.13115 (90011120)	34.06725 (90041623)	36.27544 (90031922)
-6.0	50.00918 (90011204)	41.36468 (90042823)	35.03980 (90050103)	38.66192 (90050103)	34.31488 (90022406)
-106.0	46.91923 (90052209)	46.86539 (90052902)	39.61533 (90052902)	33.27522 (90072223)	31.51740 (90031823)
-206.0	61.81424 (90061521)	54.54579 (90061521)	48.51453 (90061521)	43.56678 (90061521)	39.55238 (90052903)
-306.0	49.44994 (90040402)	46.95768 (90092222)	38.95246 (90092222)	39.81856 (90063024)	39.23900 (90063024)
-406.0	50.62836 (90102505)	46.93357 (90031804)	34.40398 (90031801)	40.34552 (90070203)	34.47768 (90012607)
-506.0	54.53821 (90070705)	47.56905 (90012124)	41.76286 (90040304)	35.65049 (90021121)	33.07671 (90061122)
-606.0	47.85349 (90120419)	44.69356 (90040320)	38.72580 (90102507)	38.83979 (90012124)	36.25275 (90052921)
-706.0	44.49729 (90040322)	39.71334 (90120419)	41.00867 (90102501)	35.43460 (90070705)	33.82710 (90040404)
-806.0	41.65645 (90020420)	41.05071 (90032424)	33.37755 (90072504)	30.64095 (90102501)	33.28316 (90032106)
-906.0	40.39117 (90070306)	37.03580 (90120824)	35.42529 (90040322)	32.18378 (90010824)	26.83116 (90062421)
-1006.0	36.64065 (90092401)	35.48384 (90111021)	34.05114 (90022403)	31.60775 (90032424)	31.35833 (90010824)
-1106.0	34.18902 (90102324)	32.90880 (90102602)	32.04303 (90120819)	31.40133 (90022404)	27.15071 (90102402)
-1206.0	32.81341 (90072721)	31.18838 (90052203)	29.59982 (90072502)	30.02617 (90040720)	26.58737 (90022404)
-1306.0	31.23561 (90041601)	30.92610 (90030523)	29.82098 (90072404)	26.34283 (90111021)	28.78670 (90111706)
-1406.0	29.78750 (90060801)	29.69387 (90021106)	29.01600 (90052203)	27.61742 (90062321)	28.21988 (90120819)
-1506.0	28.46022 (90102401)	27.82568 (90011206)	28.14111 (90102424)	26.69313 (90072601)	24.39515 (90062321)



\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	7.21916c(90081508)	6.52305c(90081508)	6.81333(90120308)	6.87769(90120308)	4.41729c(90060524)
794.0	5.56838(90112808)	8.01555c(90081508)	6.32200c(90081508)	8.17631(90120308)	6.09036(90120308)
694.0	7.24984c(90042608)	6.23671(90112808)	8.94345c(90081508)	5.92877c(90081508)	9.30630(90120308)
594.0	7.18079c(90042608)	8.26029c(90042608)	7.04111(90112808)	10.02152c(90081508)	6.81223(90120308)
494.0	5.37899(90030208)	6.72433c(90042608)	9.60281c(90042608)	8.17506c(90042608)	11.26135c(90081508)
394.0	8.93390(90030208)	7.17920(90030208)	6.07414c(90031524)	11.14117c(90042608)	10.02189c(90042608)
294.0	5.76246c(90101624)	9.04696c(90100324)	10.51080(90030208)	7.57830(90030208)	11.94917c(90042608)
194.0	8.76378c(90011708)	8.07527c(90011708)	7.39660c(90101624)	11.31812c(90100324)	11.67254(90030208)
94.0	8.05177c(90011708)	10.21036c(90011708)	11.78847c(90011708)	11.78692c(90011708)	9.65420c(90031508)
-6.0	6.76555c(90051208)	8.06373c(90051208)	8.66012(90071908)	10.63008c(90011708)	15.08856c(90011708)
-106.0	5.88129c(90040924)	6.94456c(90040924)	7.68849c(90040924)	7.69805c(90040924)	9.14483c(90011708)
-206.0	5.38088c(90091908)	5.53080c(90091908)	6.07176c(90020908)	6.80622c(90020908)	7.69503c(90020908)
-306.0	8.30115c(90041408)	8.67241c(90041408)	8.40224c(90041408)	11.21475c(90042408)	13.22014c(90042408)
-406.0	5.82376c(90042408)	5.61219c(90060208)	8.05674(90050808)	9.58566(90022708)	16.48332(90022708)
-506.0	9.41283(90022708)	11.44515(90022708)	7.85483c(90122208)	10.42007c(90080408)	9.17460c(90122208)
-606.0	7.46928c(90080408)	9.20045c(90080408)	6.79594c(90122208)	9.72665c(90061808)	6.85434c(90061808)
-706.0	5.88538c(90061808)	8.39429c(90061808)	7.95221c(90061808)	5.01857(90030708)	9.84841(90030708)
-806.0	7.78213c(90061808)	5.24537c(90052608)	5.85329(90030708)	9.82699(90030708)	8.86752c(90102124)
-906.0	3.92671(90030708)	6.07004(90030708)	8.87940c(90102124)	7.00574c(90102124)	7.52058c(90100824)
-1006.0	6.49448(90030708)	8.39524c(90102124)	5.65094c(90102124)	6.38489c(90100824)	8.71376(90102108)
-1106.0	7.65693c(90102124)	4.65228c(90102124)	5.51728c(90100824)	6.98148c(90100824)	9.07283c(90101708)
-1206.0	4.06257(90030708)	4.83501c(90100824)	6.13661c(90100824)	8.94157c(90101708)	6.15673(90111508)
-1306.0	4.28852c(90100824)	5.41106c(90100824)	7.77581c(90101708)	5.77334(90102008)	5.39413c(90110308)
-1406.0	4.79062c(90100824)	6.37989c(90101708)	6.11951c(90101708)	4.61753(90111508)	7.29630c(90101708)
-1506.0	5.37280(90102108)	6.68755c(90101708)	4.47932(90111508)	4.71126c(90110308)	5.10243c(90101708)

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1990 Met CO  
\*\*\* Revised building height = 38'

\*\*\* 11/24/99  
\*\*\* 11:05:34  
PAGE 20

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	2.91838c(90020924)	3.53491c(90081124)	4.24000c(90082608)	7.01974c(90082408)	7.73459c(90031408)
794.0	5.21254c(90060524)	5.62370c(90020924)	5.88173c(90121724)	5.74445c(90020924)	6.60246 (90020124)
694.0	5.37083c(90060308)	3.88736 (90122016)	5.43120c(90121724)	5.09759c(90082608)	7.85068c(90082408)
594.0	9.28459 (90120308)	6.43423c(90060524)	6.52735c(90020924)	5.62270 (90071316)	11.21349c(90082408)
494.0	9.00494 (90120308)	7.32985 (90120308)	5.74307 (90122016)	6.87784c(90121724)	11.42811c(90082408)
394.0	12.68512c(90081508)	11.91128 (90120308)	7.32633 (90122016)	7.13105c(90020924)	8.14389c(90020924)
294.0	12.50549c(90042608)	14.16024c(90081508)	13.64497 (90120308)	9.80164 (90122016)	11.31581 (90071316)
194.0	10.36262c(90042608)	15.92939c(90042608)	17.06430 (90122008)	13.27995 (90020208)	13.24582 (90020224)
94.0	14.96632 (90030208)	11.89748c(90030124)	21.14482c(90042608)	26.06235 (90122008)	20.83123 (90122016)
-6.0	18.32268c(90011708)	15.25663c(90011708)	21.28199 (90030208)	26.32213c(90042608)	42.63029 (90122008)
-106.0	11.35696c(90011708)	14.97891c(90011708)	25.24333c(90011708)	32.06042c(90011708)	43.79373 (90050908)
-206.0	8.71359c(90020908)	10.94465 (90020108)	14.99528 (90020108)	21.78535 (90020108)	34.40001 (90020108)
-306.0	10.08987c(90042408)	11.85606c(90091824)	22.27704 (90022708)	27.89028c(90091824)	32.53101 (90022024)
-406.0	11.92892c(90122208)	13.26132c(90122208)	15.86009 (90032808)	17.75688 (90030708)	35.62595 (90102008)
-506.0	11.10004c(90061808)	8.49757 (90022024)	18.54852c(90102124)	21.25578c(90111424)	20.76808 (90111508)
-606.0	8.84283 (90030708)	14.85921c(90102124)	14.69420c(90100824)	17.49934 (90111508)	32.79421 (90122908)
-706.0	11.43154c(90102124)	11.28030c(90100824)	15.19099 (90102008)	13.09477c(90101708)	21.40456 (90122908)
-806.0	9.06505c(90100824)	12.94954c(90101708)	9.82564 (90111508)	15.44905 (90122908)	12.02953c(90010224)
-906.0	10.83799 (90102108)	9.28473 (90111508)	9.86466c(90101708)	15.47096 (90122908)	8.90738 (90093008)
-1006.0	8.63245 (90102008)	7.86586 (90022608)	9.18906 (90100924)	10.86105 (90122908)	6.76135 (90093008)
-1106.0	6.34718 (90111508)	7.71789c(90101708)	10.45486 (90022608)	7.98423 (90090508)	6.31046c(90091708)
-1206.0	7.98779c(90101708)	7.57425 (90100924)	9.80350 (90022608)	7.03998c(90010224)	7.16863c(90091708)
-1306.0	6.20449c(90101708)	7.30309 (90022608)	6.93111 (90122908)	5.70676 (90100908)	8.23607c(90010208)
-1406.0	6.29998 (90100924)	8.48703 (90022608)	5.94882 (90090508)	5.05592c(90082608)	9.11565c(90010208)
-1506.0	5.47179 (90022608)	6.97178 (90022608)	5.71725 (90090508)	4.76799c(90082808)	9.22011c(90010208)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	7.19379c(90121808)	7.21110c(90081424)	10.53484 (90042924)	7.57243c(90101424)	7.78500c(90122224)
794.0	8.02666c(90121808)	8.13161c(90081424)	11.25151 (90042924)	9.05978c(90101424)	6.23335c(90122224)
694.0	8.97675c(90121808)	9.18436c(90081424)	11.08932 (90042924)	8.05955c(90101424)	6.79489c(90070924)
594.0	10.05841c(90121808)	10.34015c(90081424)	9.67791 (90042924)	10.07332c(90122224)	8.26333c(90040524)
494.0	11.21440 (90020124)	11.51444c(90081424)	9.24885c(90050424)	8.37296c(90122224)	7.50994c(90040524)
394.0	14.47867 (90020124)	12.40028c(90081424)	11.52980c(90101424)	8.35194c(90070924)	9.26215c(90070724)
294.0	18.48895 (90020124)	13.65425 (90021008)	11.66052 (90120324)	11.11109c(90040524)	7.48767c(90051708)
194.0	21.72940 (90020124)	18.51098 (90042924)	16.18736 (90020408)	12.81711 (90012108)	9.15304c(90051724)
94.0	20.12474c(90082408)	27.69557 (90121816)	18.33797c(90040524)	14.84469c(90051708)	14.61854 (90061424)
-6.0	37.59674 (90071316)	40.90587 (90121816)	24.77101c(90112316)	17.06977c(90040124)	18.44467 (90063024)
-106.0	68.59576 (90122016)	73.87977 (90020408)	29.54761c(90080224)	20.82627c(90070524)	13.07350 (90022416)
-206.0	132.06053 (90052408)	224.84274c(90083008)	35.09044 (90101816)	17.51414 (90101816)	10.14979 (90101816)
-306.0	101.17020 (90111508)	88.64420 (90092324)	33.29211 (90010816)	22.44214c(90052824)	16.08821 (90111008)
-406.0	62.19937 (90122908)	56.02728 (90032708)	32.23099 (90041124)	19.85892 (90012524)	14.52380 (90010816)
-506.0	24.21733 (90122816)	26.69915 (90122424)	23.07816 (90092324)	17.00588c(90022408)	13.66009 (90012524)
-606.0	18.48853c(90010208)	23.84582c(90103008)	14.16773 (90010108)	17.95270c(90091708)	11.59920c(90022408)
-706.0	22.42975c(90010208)	23.50592c(90103008)	14.08677c(90102424)	19.64389c(90102424)	15.16338 (90041124)
-806.0	18.41578c(90010208)	21.28372c(90103008)	14.81589 (90112908)	13.10533c(90072508)	12.70232c(90091708)
-906.0	13.05850c(90010208)	18.67698c(90103008)	14.96152 (90122508)	9.12757 (90102608)	17.11471c(90102424)
-1006.0	12.65312c(90120508)	16.23918c(90103008)	16.19806 (90102408)	8.60859c(90102424)	11.97457c(90041608)
-1106.0	12.52054c(90120508)	14.17093 (90091208)	17.07836 (90102408)	8.84086c(90102424)	10.00840 (90102608)
-1206.0	12.04655c(90120508)	13.34997 (90091208)	15.35915 (90102408)	9.05930 (90112908)	6.85528 (90122508)
-1306.0	11.39512c(90120508)	12.46947 (90091208)	12.71725 (90102408)	9.13142c(90120424)	5.45522 (90071808)
-1406.0	10.67357c(90120508)	11.59711 (90091208)	10.07312 (90102408)	9.22602 (90122508)	6.56361c(90102424)
-1506.0	9.94662c(90120508)	10.76688 (90091208)	8.05916c(90103008)	11.07472 (90102408)	6.27779 (90112908)



\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	489.00	589.00	X-COORD (METERS) 689.00	789.00	889.00
894.0	5.33311c(90070924)	5.09041c(90071108)	5.61818c(90070724)	5.09409c(90092124)	5.91582c(90010924)
794.0	7.44563c(90040524)	6.70972c(90070724)	7.71062c(90092124)	6.01688c(90010924)	5.54016c(90081724)
694.0	5.91332c(90071108)	7.42803c(90092124)	5.59025c(90072224)	6.23847c(90081724)	4.65576c(90051724)
594.0	7.99929c(90070724)	6.11199c(90092124)	6.76423c(90010924)	5.18071c(90051724)	7.04905 (90061424)
494.0	9.38346c(90092124)	7.87417c(90010924)	5.81350c(90051724)	8.09773 (90061424)	6.35587c(90040124)
394.0	7.96484c(90010924)	6.62141c(90051724)	9.40552 (90061424)	7.31547c(90040124)	5.50019c(90090624)
294.0	7.67913c(90051724)	11.04046 (90061424)	7.77641 (90061024)	6.96152 (90061424)	6.92214 (90063024)
194.0	12.95825 (90061424)	7.50349 (90061024)	10.30047 (90061424)	6.90549 (90011124)	11.07951c(90070524)
94.0	10.24792 (90061924)	10.58728 (90063024)	14.52290c(90070524)	7.33004 (90011208)	6.04591c(90031924)
-6.0	19.41896c(90070524)	7.81425 (90010808)	7.44516c(90032224)	6.83419c(90050108)	5.46793c(90053008)
-106.0	8.23985 (90082324)	7.28716c(90050108)	7.36444c(90050108)	6.68135c(90050108)	6.19352c(90022424)
-206.0	8.67749c(90092624)	9.63158c(90092624)	10.13377c(90092624)	10.26503c(90092624)	10.12564c(90092624)
-306.0	19.19124c(90040408)	14.60874c(90040408)	7.37058c(90101224)	10.72514c(90070708)	13.19849c(90070708)
-406.0	12.49297 (90052908)	13.74658c(90021124)	7.24948c(90031808)	9.83694 (90070108)	13.96889c(90040408)
-506.0	13.01118 (90022508)	11.18099c(90012124)	13.29318 (90052908)	9.87413c(90021124)	8.86454c(90021124)
-606.0	9.64763 (90012524)	7.73801 (90040324)	10.59714c(90081908)	10.88070c(90012124)	12.48917 (90052908)
-706.0	7.98550 (90051024)	7.05713 (90012524)	7.17537 (90012524)	9.18190 (90022508)	6.93313c(90081908)
-806.0	12.79962c(90120824)	6.84179c(90032424)	5.98720c(90080608)	6.47640 (90012524)	7.21442 (90022508)
-906.0	10.47957 (90102608)	11.71159c(90022408)	7.99878c(90010908)	5.74233c(90010824)	5.61770 (90012524)
-1006.0	11.70724c(90102424)	10.18991 (90102608)	11.64663c(90022408)	8.70164c(90010908)	5.56453c(90010824)
-1106.0	14.66230c(90102424)	10.62865c(90091708)	10.07658c(90120824)	9.80085c(90022408)	8.95040c(90010908)
-1206.0	10.93218c(90041608)	10.72014c(90102424)	8.13697 (90102608)	8.87165c(90120824)	7.65227c(90022408)
-1306.0	8.47955c(90041608)	12.62616c(90102424)	9.04012c(90091708)	7.67410 (90102608)	8.00391c(90022408)
-1406.0	7.86486 (90102608)	9.69915c(90041608)	9.64901c(90102424)	7.11413c(90091708)	7.83407c(90120824)
-1506.0	5.73683 (90122508)	8.65653c(90041608)	10.96658c(90102424)	7.13013c(90091708)	6.42470 (90102608)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	989.00	1089.00	X-COORD (METERS) 1189.00	1289.00	1389.00
894.0	4.67553c(90081724)	4.24178c(90071108)	4.92553 (90061424)	5.62890 (90061424)	4.03376c(90070424)
794.0	4.33909c(90071108)	5.50364 (90061424)	6.01022 (90061424)	4.39452c(90070424)	4.22616c(90043024)
694.0	6.19986 (90061424)	6.31292 (90061424)	4.83244 (90061024)	3.93725c(90043024)	4.35965 (90061424)
594.0	6.42674 (90061424)	5.39749 (90061024)	4.71881c(90092124)	6.03469 (90061424)	4.41601c(90070608)
494.0	5.45489 (90061024)	5.45067 (90061424)	6.07809 (90061424)	4.59038 (90011124)	4.95911c(90052824)
394.0	7.87385 (90061424)	5.21740 (90063024)	5.48182 (90011124)	7.14399c(90070524)	6.23846c(90070524)
294.0	6.24098 (90011124)	8.76875c(90070524)	7.33074 (90011208)	5.29738 (90011208)	4.56163c(90031224)
194.0	8.12804 (90011208)	4.73535c(90041624)	5.09197c(90031924)	5.00260c(90070808)	4.66374c(90060708)
94.0	5.61917c(90032224)	5.31574c(90050108)	4.79242c(90053008)	4.92890c(90053008)	4.20181 (90011208)
-6.0	4.77617 (90011208)	5.34511c(90072408)	4.55888c(90062708)	4.98989c(90062708)	4.74397c(90031808)
-106.0	6.25365c(90022424)	5.65123c(90022424)	4.79630c(90022424)	4.75502c(90072708)	4.93512c(90092624)
-206.0	9.87180c(90092624)	9.54905c(90092624)	9.18840c(90092624)	8.81096c(90092624)	8.43073c(90092624)
-306.0	13.94939c(90070708)	13.54016c(90070708)	12.50462c(90070708)	11.21058c(90070708)	9.87551c(90070708)
-406.0	15.23877c(90040408)	11.72508c(90040408)	7.31476c(90040408)	6.14729c(90101224)	6.40318c(90101224)
-506.0	6.72907c(90031808)	5.92783 (90070108)	7.73931 (90070108)	10.00573c(90040408)	11.44331c(90040408)
-606.0	6.81195c(90031808)	8.66552c(90012208)	7.50230 (90082424)	6.20939 (90082424)	5.06055c(90031808)
-706.0	9.80639c(90012124)	11.32120 (90052908)	7.63327 (90052908)	6.38898c(90021124)	7.92412c(90012208)
-806.0	7.64756c(90081908)	6.07077c(90012124)	8.66872c(90012124)	10.14350 (90052908)	7.79497 (90052908)
-906.0	5.34122c(90080624)	6.83370 (90022508)	6.19913c(90081908)	6.43982c(90012124)	7.64112c(90012124)
-1006.0	4.86767c(90062424)	5.27543c(90030324)	6.15313 (90022508)	5.67622c(90081908)	4.49378c(90081908)
-1106.0	5.31136c(90010824)	4.80419c(90062424)	4.93516c(90030324)	4.78134c(90080624)	5.32038 (90022508)
-1206.0	8.90833c(90010908)	5.20592c(90010908)	4.48586c(90062424)	4.16081c(90030324)	4.23691c(90060908)
-1306.0	5.80487c(90022408)	8.69186c(90010908)	5.13711c(90010908)	4.05839c(90062424)	3.33197c(90010824)
-1406.0	8.49286c(90022408)	4.70909c(90072424)	8.37782c(90010908)	5.02064c(90010908)	3.60352c(90062424)
-1506.0	7.53901c(90120824)	8.10076c(90022408)	4.40793c(90072424)	8.00692c(90010908)	4.87339c(90010908)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-1011.00	-911.00	X-COORD (METERS) -811.00	-711.00	-611.00
894.0	4.91310c(90070408)	4.06713 (90122008)	4.17534c(90012908)	4.70756c(90060808)	4.38324c(90060308)
794.0	4.77506c(90042608)	5.21066c(90070408)	4.75591 (90122008)	4.50567 (90122008)	4.69237c(90032408)
694.0	5.07784c(90071308)	5.64524c(90042608)	5.52289c(90070408)	5.62544 (90122008)	5.61255c(90053108)
594.0	5.69848c(90061308)	6.26083c(90061308)	6.75252c(90042608)	5.84853c(90070408)	6.72303 (90122008)
494.0	5.10262c(90030124)	5.58725c(90031524)	8.22739c(90061308)	8.01394 (90112808)	6.91219 (90122008)
394.0	6.93230c(90100324)	5.88419c(90030124)	5.73509c(90042608)	9.65158c(90061308)	9.20901 (90112808)
294.0	5.68920c(90031508)	8.12914 (90030208)	7.13538c(90100324)	7.28894c(90030124)	8.82709c(90061308)
194.0	5.51370c(90042408)	7.59149c(90101624)	7.30162c(90031508)	10.76530 (90030208)	7.96927c(90042608)
94.0	6.93347 (90071908)	6.60781c(90031508)	6.59067c(90071308)	6.91132c(90101624)	9.57077c(90101624)
-6.0	5.81665c(90011708)	7.04005 (90071908)	8.57679 (90052508)	10.02677 (90071908)	10.20194c(90032908)
-106.0	5.57166c(90042024)	5.40668c(90042024)	6.33749c(90021508)	7.08923c(90011708)	7.88112c(90080824)
-206.0	5.32652c(90072708)	5.47109c(90020908)	5.64051c(90091908)	5.68676c(90091908)	6.57903 (90020108)
-306.0	7.59668c(90060108)	7.63195c(90060108)	7.87845c(90042408)	8.30134 (90052408)	9.47387 (90052408)
-406.0	4.47823c(90032908)	5.47615 (90050808)	6.49340c(90091824)	7.64080 (90040908)	11.69053 (90040908)
-506.0	8.07013 (90040908)	8.81497 (90040908)	7.72211 (90022708)	9.65744c(90122208)	8.31758c(90100308)
-606.0	7.02757c(90122208)	7.62417c(90122208)	6.77561c(90100308)	6.57592 (90032808)	6.05538c(90090108)
-706.0	5.50701c(90100308)	5.43040c(90090124)	5.98058c(90090208)	4.65812c(90090108)	7.12523 (90090508)
-806.0	5.01056c(90090208)	4.68350c(90121424)	5.75165c(90030608)	8.64922c(90102124)	5.72714c(90091308)
-906.0	3.83554c(90052608)	4.54244c(90030608)	8.61119 (90030708)	5.36709c(90091308)	6.44210 (90022624)
-1006.0	4.49799 (90090508)	7.05111 (90030708)	4.88066c(90091308)	5.65302 (90022624)	8.13932 (90102008)
-1106.0	5.68536 (90030708)	4.38251c(90091308)	4.98147 (90022624)	6.68269 (90102108)	8.50925 (90102008)
-1206.0	3.91893c(90091308)	4.42882c(90110224)	5.88501c(90111424)	8.29446c(90100708)	5.01883c(90110408)
-1306.0	4.09122c(90110224)	5.14680c(90111424)	7.52326c(90100708)	5.37087 (90113024)	5.06697 (90022608)
-1406.0	4.44079c(90111424)	6.12153 (90102108)	6.05522 (90102008)	4.39188c(90100308)	5.43970c(90110308)
-1506.0	5.11702c(90101708)	6.32719c(90100708)	3.97214c(90110408)	4.56103c(90100708)	4.89102 (90100924)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): 1407 , GEN03 , \*\*\*

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-511.00	-411.00	X-COORD (METERS) -311.00	-211.00	-111.00
894.0	2.86094 (90122016)	3.53352c(90121724)	4.02162c(90121724)	5.87674c(90020924)	6.18163 (90020124)
794.0	4.52190c(90050308)	2.93521c(90070408)	4.52185c(90062924)	5.39748c(90041508)	5.96787c(90031408)
694.0	4.73388c(90032408)	3.37692c(90050308)	4.89318c(90062924)	4.70377c(90060508)	6.71603 (90020124)
594.0	6.02530c(90060808)	4.97595c(90050308)	4.08425c(90081124)	5.47110 (90020224)	6.88315c(90051524)
494.0	8.08145 (90122008)	6.74803 (90020208)	4.65096c(90050308)	6.87413 (90020224)	8.67025c(90020924)
394.0	8.87988 (90122008)	9.76654 (90122008)	6.92079c(90060524)	6.76766c(90081124)	7.32074 (90071316)
294.0	10.64510 (90112808)	11.98723 (90122008)	11.19363 (90122008)	7.03613c(90050308)	10.70886 (90020224)
194.0	9.40236c(90031524)	12.17222 (90112808)	15.33436c(90081508)	11.21518 (90020224)	12.69719 (90071316)
94.0	14.49992c(90100324)	11.33361 (90030208)	13.78721c(90061308)	16.38467 (90010524)	14.23666c(90080924)
-6.0	10.01082c(90032908)	13.50096 (90102208)	18.70687 (90041008)	17.25839c(90061308)	22.05164c(90070408)
-106.0	10.64881c(90051208)	14.83624 (90052508)	19.37977 (90071908)	21.56573 (90102208)	34.59646 (90041008)
-206.0	8.34416 (90020108)	10.42315 (90021908)	14.35617 (90021908)	21.06591 (90021908)	34.13243 (90071824)
-306.0	8.78581 (90033008)	11.16458 (90033008)	16.83252c(90091824)	24.83303 (90021824)	32.14271 (90032808)
-406.0	11.27821c(90091824)	11.88377c(90080408)	13.19938 (90010708)	16.18251c(90102124)	30.17621c(90100824)
-506.0	9.53681 (90032808)	7.98041c(90090108)	12.91512 (90030708)	20.28864c(90100824)	19.90654 (90022608)
-606.0	7.44516c(90100724)	8.39544 (90030708)	13.70581c(90111424)	12.60503 (90110324)	21.71843 (90022608)
-706.0	6.30029 (90030708)	9.04201c(90111424)	13.52069 (90113024)	12.52930 (90022608)	17.18095 (90122824)
-806.0	7.33402 (90022624)	12.84550 (90102008)	9.61083 (90110324)	11.90928 (90022608)	11.18690 (90122824)
-906.0	10.20407 (90102008)	7.07094 (90102008)	9.06890 (90100924)	14.57198 (90022608)	8.10787 (90100908)
-1006.0	7.98821 (90113024)	7.86387c(90101708)	8.71337 (90122908)	8.40123 (90122824)	6.73976c(90091808)
-1106.0	6.09446c(90110308)	7.16280 (90100924)	10.14224 (90122908)	7.52480 (90010308)	5.78449c(90082108)
-1206.0	6.26988 (90022608)	6.24763 (90022608)	9.10817 (90122908)	6.20094 (90090508)	6.60851c(90010208)
-1306.0	5.84454 (90100924)	6.95484 (90122908)	5.27469 (90122824)	5.38183c(90031808)	7.04401c(90091708)
-1406.0	5.06785 (90022608)	7.01519 (90122908)	5.23503 (90010308)	4.83129c(90031808)	6.29530c(90091708)
-1506.0	4.99475 (90122908)	6.16133 (90122908)	5.36744c(90010224)	4.67392c(90082608)	5.35874c(90091708)

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1990 Met CO  
\*\*\* Revised building height = 38'

\*\*\* 11/24/99  
\*\*\* 11:05:34  
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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	-11.00	89.00	X-COORD (METERS) 189.00	289.00	389.00
894.0	6.60197 (90020408)	4.94050 (90020408)	8.01823c(90032924)	5.22277c(90101308)	6.93873c(90091324)
794.0	7.05884 (90020408)	5.40800c(90071208)	9.51952c(90032924)	5.28797c(90010908)	6.02605 (90061924)
694.0	7.53408 (90020408)	6.15597 (90021008)	10.42719c(90032924)	6.72107c(90051624)	6.24390c(90010924)
594.0	8.78414 (90020124)	7.31899 (90021008)	9.67074c(90032924)	7.94795c(90091324)	5.15861c(90062108)
494.0	11.09995c(90121808)	8.91451 (90021008)	8.86625c(90101424)	7.94107 (90020408)	6.87166c(90071108)
394.0	11.82547c(90121808)	11.04048 (90021008)	10.21382 (90120324)	7.72238c(90062124)	8.04784 (90012108)
294.0	11.62997c(90121808)	12.73135 (90020216)	11.56609c(90122224)	9.04823 (90012108)	7.30945c(90112316)
194.0	14.67766 (90012424)	17.36501c(90042624)	12.42112c(90082124)	10.73134c(90082224)	7.99836c(90051708)
94.0	19.22173c(90122308)	26.38976c(90050424)	16.46059 (90012108)	11.10590c(90051724)	11.85889c(90052024)
-6.0	30.03909 (90020224)	39.10189c(90050424)	22.67578c(90051708)	13.68484 (90061424)	17.16720 (90012116)
-106.0	51.90893 (90020224)	71.36002 (90122324)	28.73888c(90040124)	20.00092 (90010808)	9.62622 (90010808)
-206.0	119.83300 (90071824)	193.37047 (90061524)	28.54659 (90010808)	14.89963 (90060316)	9.81382c(90080624)
-306.0	80.54987 (90110324)	82.47321 (90040308)	32.34826 (90102308)	18.52026 (90111016)	11.93600 (90031716)
-406.0	57.67701 (90122824)	39.56183 (90122424)	31.36818 (90041116)	16.86502 (90011216)	12.88290c(90070708)
-506.0	22.48113 (90121916)	24.83025 (90032708)	20.64978 (90040308)	15.67395 (90041116)	11.36317 (90011216)
-606.0	18.30814 (90122816)	21.72779 (90123124)	14.02960 (90102608)	16.13222c(90070308)	9.86905 (90051024)
-706.0	13.66310 (90122816)	18.34182 (90123124)	12.95164 (90112908)	14.51750 (90021108)	14.41083 (90102608)
-806.0	10.95872c(90120508)	15.45408c(90101824)	12.78224c(90120424)	11.27836 (90092324)	12.00446c(90102424)
-906.0	12.22163c(90120508)	15.02615 (90091208)	13.89561 (90032708)	9.03098 (90071808)	12.71628c(90041608)
-1006.0	8.86255c(90010208)	14.80574 (90091208)	15.25453c(90111108)	7.80243c(90012924)	10.50678 (90072724)
-1106.0	7.37263 (90110324)	14.11537c(90103008)	14.44101c(90111108)	8.77304 (90112908)	8.76649 (90122508)
-1206.0	6.60506 (90110324)	12.34686c(90103008)	11.17988c(90111108)	7.66341c(90120424)	6.61714 (90071808)
-1306.0	6.72362c(90101924)	10.85952c(90103008)	7.87424c(90111108)	7.51914 (90112908)	5.44429c(90102424)
-1406.0	6.71258c(90101924)	9.60844c(90103008)	8.08634c(90103008)	8.72977 (90102408)	5.56821c(90012924)
-1506.0	6.57661c(90101924)	8.55281c(90103008)	7.79713 (90102408)	10.49926c(90111108)	6.05551c(90102424)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	489.00	589.00	689.00	789.00	889.00
894.0	5.31225c(90010924)	5.08858c(90061708)	5.15756c(90092124)	4.81736c(90052208)	3.70908c(90072224)
794.0	5.23810c(90122124)	5.14808c(90073124)	5.23606c(90052208)	4.74118c(90072224)	4.26945c(90010924)
694.0	5.91059c(90061708)	5.45650(90123108)	5.25701c(90010924)	5.47585c(90010924)	4.45677c(90052824)
594.0	5.75951(90091524)	5.61516c(90052208)	6.29596c(90081724)	4.97221c(90052824)	6.17877c(90090824)
494.0	5.32810c(90052208)	5.07513c(90081724)	5.41819c(90052824)	6.86275c(90090824)	6.17681(90061424)
394.0	6.46420c(90051708)	5.60230c(90052824)	7.66140c(90090824)	6.46992(90061024)	5.10215c(90092124)
294.0	6.27554c(90081724)	8.59062c(90090824)	7.63996c(90040124)	6.47213(90061924)	6.23516(90061424)
194.0	9.62191c(90090824)	7.36473c(90052708)	9.13362(90063024)	6.86510c(90092224)	8.22734c(90052824)
94.0	9.89838(90063024)	10.41497(90012116)	8.42111c(90052824)	5.67788c(90041624)	5.96101c(90062008)
-6.0	9.64544(90010808)	6.80469(90022416)	6.17988(90022416)	5.57252(90123108)	5.17076(90011208)
-106.0	7.79026c(90090724)	6.95305(90082324)	5.52929c(90062708)	5.89985c(90031808)	5.73871c(90050108)
-206.0	8.25352c(90083008)	7.37206c(90010424)	6.86485c(90010424)	6.36135c(90010424)	5.90006c(90010424)
-306.0	12.18248(90070108)	8.49460(90070108)	7.20878c(90070608)	7.64822c(90101224)	7.41820c(90012224)
-406.0	9.55150c(90052824)	9.67496c(90031808)	6.95360c(90080724)	7.62840c(90040408)	9.26212(90070108)
-506.0	11.17086c(90070708)	9.21036(90022508)	9.59292c(90072524)	8.19919c(90031808)	8.82859c(90012208)
-606.0	7.92241(90011216)	7.24931(90012524)	7.70085c(90011024)	8.87662(90022508)	8.82051c(90072524)
-706.0	7.55187c(90052924)	6.42116(90051024)	6.86127c(90012124)	7.32380c(90081908)	5.63786c(90040408)
-806.0	9.43644c(90111708)	6.65004c(90010908)	5.77375c(90010824)	5.31940c(90030324)	5.79488c(90080624)
-906.0	10.13400c(90070308)	8.96452c(90120824)	6.09606c(90032424)	5.65537c(90080608)	4.47186c(90062424)
-1006.0	8.18782c(90091708)	9.76958(90041124)	6.88877c(90010824)	5.31831c(90041808)	5.25557c(90080608)
-1106.0	11.32136c(90041608)	8.08564c(90070308)	7.83897c(90111708)	5.36922c(90010824)	5.12306c(90041808)
-1206.0	8.98794(90072724)	6.90826c(90012208)	7.29043(90041124)	6.99807c(90111708)	4.69712c(90072424)
-1306.0	7.33200c(90072508)	9.99690c(90041608)	6.29052c(90070308)	7.06349(90041124)	6.69756c(90120824)
-1406.0	7.54937(90122508)	8.87579c(90102424)	6.56661c(90012208)	6.21381c(90070308)	6.08256c(90111708)
-1506.0	5.09672(90071808)	6.59651(90072724)	8.83175c(90041608)	6.06651c(90102424)	5.67671(90041124)

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1990 Met CO  
\*\*\* Revised building height = 38'

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\*\*\*

11/24/99  
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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\* NETWORK ID: 100METER ; NETWORK TYPE: GRIDCART \*\*\*

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

Y-COORD (METERS)	X-COORD (METERS)				
	989.00	1089.00	1189.00	1289.00	1389.00
894.0	4.44843c(90080708)	4.23445c(90061908)	4.64405c(90090824)	4.59706c(90052024)	3.96238c(90101224)
794.0	4.33051c(90061908)	5.08412c(90090824)	5.10046c(90052024)	4.25327c(90101224)	3.99139 (90061024)
694.0	5.59128c(90090824)	5.52989c(90052024)	4.64246c(90011024)	3.84425c(90092124)	3.77884c(90083008)
594.0	5.73742c(90052024)	4.91543c(90011024)	4.56511c(90090624)	4.57189c(90061624)	4.13743 (90061424)
494.0	5.23404c(90052708)	4.77821c(90061624)	4.74343 (90063024)	4.54062c(90042124)	4.78872 (90011124)
394.0	5.90119c(90061624)	5.13595c(90042124)	5.16576c(90052824)	6.90994c(90052824)	6.17903 (90011208)
294.0	5.76316c(90070524)	7.61786c(90052824)	6.76479c(90070524)	4.87917c(90041624)	4.52050c(90072808)
194.0	6.81986c(90070524)	4.67866c(90081424)	5.04245c(90062008)	4.38180c(90060708)	4.52572c(90032224)
94.0	5.59199c(90070808)	5.12057c(90032224)	4.60990 (90011208)	4.38154 (90011208)	4.13591c(90022408)
-6.0	4.74576c(90072408)	4.08259 (90011124)	4.50200c(90072408)	4.20728c(90031808)	4.67027c(90062708)
-106.0	5.61269c(90031824)	5.29988c(90031824)	4.66257c(90031824)	4.31798c(90092624)	4.78083c(90072708)
-206.0	5.69549c(90040424)	5.53332c(90040424)	5.34711c(90040424)	5.14860c(90040424)	4.94580c(90040424)
-306.0	8.44256c(90012224)	8.67378c(90012224)	8.35157c(90012224)	7.71570c(90012224)	6.94609c(90012224)
-406.0	6.72016 (90070108)	5.75468c(90070608)	6.26240c(90070608)	6.09440c(90070608)	5.36226c(90070608)
-506.0	6.56190 (90082424)	5.79445c(90080724)	6.90524c(90040408)	7.03181 (90070108)	5.46897 (90070108)
-606.0	6.71221 (90052908)	8.46878c(90021124)	7.31701c(90012208)	5.80021c(90031808)	4.65515c(90061708)
-706.0	7.88252 (90022508)	7.80213c(90072524)	5.99413c(90072524)	6.33565c(90012208)	6.50809c(90021124)
-806.0	6.45531c(90011024)	5.28689c(90030508)	7.17692 (90052908)	6.85005c(90072524)	6.05502c(90072524)
-906.0	5.14030c(90060908)	5.34687c(90081908)	4.94962c(90011024)	4.66696c(90111724)	6.77374 (90052908)
-1006.0	4.80323 (90012524)	4.92622c(90010824)	4.87374c(90072424)	5.37749c(90011024)	4.09750c(90030508)
-1106.0	5.20211c(90010908)	4.09388 (90012524)	4.71111c(90010824)	4.64347c(90032108)	4.32327c(90011024)
-1206.0	4.83125c(90041808)	5.02696c(90010824)	3.64750c(90101324)	4.05902c(90010824)	4.18670c(90080624)
-1306.0	4.84487c(90072424)	4.50496c(90041808)	4.73622c(90010824)	3.34765c(90120824)	3.30276c(90030324)
-1406.0	5.72479c(90010824)	4.38294c(90072324)	4.17710c(90041808)	4.45134c(90010824)	3.36474c(90071124)
-1506.0	5.88926c(90111708)	4.81567c(90010824)	4.12497c(90072324)	3.99098c(90030608)	4.17825c(90010824)

\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

\*\*\*

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR, YR)	OF	TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR, YR)	OF	TYPE
1.	1499.78979	(90061521)	AT (	89.00,	-206.00)	GC	26.	475.98886	(90073109)	AT (	89.00,	-206.00)	GC
2.	1499.02344	(90052903)	AT (	89.00,	-206.00)	GC	27.	468.99203	(90052718)	AT (	89.00,	-206.00)	GC
3.	1477.41223	(90083001)	AT (	89.00,	-206.00)	GC	28.	449.22754	(90062320)	AT (	89.00,	-206.00)	GC
4.	1010.94635	(90061022)	AT (	89.00,	-206.00)	GC	29.	447.99280	(90041515)	AT (	89.00,	-206.00)	GC
5.	1000.39673	(90010422)	AT (	89.00,	-206.00)	GC	30.	446.66739	(90051711)	AT (	89.00,	-206.00)	GC
6.	785.28265	(90052403)	AT (	-11.00,	-206.00)	GC	31.	446.47714	(90072308)	AT (	89.00,	-206.00)	GC
7.	749.88873	(90060310)	AT (	89.00,	-206.00)	GC	32.	445.04062	(90121115)	AT (	89.00,	-206.00)	GC
8.	749.30780	(90060412)	AT (	89.00,	-206.00)	GC	33.	429.23508	(90070724)	AT (	89.00,	-206.00)	GC
9.	717.90387	(90012117)	AT (	89.00,	-206.00)	GC	34.	418.63507	(90080215)	AT (	89.00,	-206.00)	GC
10.	604.81506	(90010805)	AT (	89.00,	-206.00)	GC	35.	417.66586	(90010914)	AT (	89.00,	-206.00)	GC
11.	590.02222	(90082616)	AT (	89.00,	-206.00)	GC	36.	409.94415	(90071821)	AT (	-11.00,	-206.00)	GC
12.	566.25366	(90030623)	AT (	-11.00,	-206.00)	GC	37.	403.95850	(90112723)	AT (	-11.00,	-206.00)	GC
13.	519.53363	(90101317)	AT (	89.00,	-206.00)	GC	38.	390.63852	(90022220)	AT (	89.00,	-206.00)	GC
14.	519.07410	(90112217)	AT (	89.00,	-206.00)	GC	39.	388.76407	(90012112)	AT (	89.00,	-206.00)	GC
15.	511.00607	(90042408)	AT (	-11.00,	-206.00)	GC	40.	388.45862	(90012816)	AT (	-11.00,	-206.00)	GC
16.	499.17795	(90051007)	AT (	89.00,	-206.00)	GC	41.	388.23874	(90070416)	AT (	89.00,	-206.00)	GC
17.	495.43719	(90020424)	AT (	89.00,	-206.00)	GC	42.	387.62564	(90041409)	AT (	-11.00,	-206.00)	GC
18.	490.85022	(90112216)	AT (	89.00,	-206.00)	GC	43.	386.80011	(90091308)	AT (	-11.00,	-206.00)	GC
19.	490.79840	(90062214)	AT (	89.00,	-206.00)	GC	44.	386.25967	(90070616)	AT (	89.00,	-206.00)	GC
20.	485.65573	(90062315)	AT (	89.00,	-206.00)	GC	45.	378.93777	(90042318)	AT (	-11.00,	-206.00)	GC
21.	478.34824	(90082006)	AT (	-11.00,	-206.00)	GC	46.	377.66949	(90042007)	AT (	-11.00,	-206.00)	GC
22.	477.85699	(90060103)	AT (	-11.00,	-206.00)	GC	47.	368.47623	(90080408)	AT (	-11.00,	-206.00)	GC
23.	477.16748	(90010807)	AT (	89.00,	-206.00)	GC	48.	367.04501	(90030823)	AT (	-11.00,	-206.00)	GC
24.	476.56570	(90042507)	AT (	-11.00,	-206.00)	GC	49.	366.34195	(90060206)	AT (	-11.00,	-206.00)	GC
25.	476.45099	(90080620)	AT (	89.00,	-206.00)	GC	50.	364.07132	(90101816)	AT (	89.00,	-206.00)	GC

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



\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

\*\*\* THE MAXIMUM 50 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): 1407 , GEN03 ,

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

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	224.84274c	(90083008) AT (	89.00, -206.00) GC	26.	86.52256	(90022124) AT (	-11.00, -206.00) GC
2.	193.37047	(90061524) AT (	89.00, -206.00) GC	27.	86.51235c	(90112224) AT (	89.00, -206.00) GC
3.	187.44981	(90052908) AT (	89.00, -206.00) GC	28.	85.51380c	(90042408) AT (	-11.00, -206.00) GC
4.	176.35381	(90101816) AT (	89.00, -206.00) GC	29.	85.13631	(90073116) AT (	89.00, -206.00) GC
5.	167.06931	(90010808) AT (	89.00, -206.00) GC	30.	82.47321	(90040308) AT (	89.00, -306.00) GC
6.	166.73279c	(90010424) AT (	89.00, -206.00) GC	31.	80.54987	(90110324) AT (	-11.00, -306.00) GC
7.	135.18927	(90060316) AT (	89.00, -206.00) GC	32.	79.77094c	(90042508) AT (	-11.00, -206.00) GC
8.	132.06053	(90052408) AT (	-11.00, -206.00) GC	33.	79.72985c	(90082008) AT (	-11.00, -206.00) GC
9.	131.61099	(90060416) AT (	89.00, -206.00) GC	34.	79.40850c	(90080624) AT (	89.00, -206.00) GC
10.	129.98425	(90062316) AT (	89.00, -206.00) GC	35.	78.16534c	(90052724) AT (	89.00, -206.00) GC
11.	128.97371	(90062116) AT (	89.00, -206.00) GC	36.	76.83104	(90080116) AT (	89.00, -206.00) GC
12.	128.81276	(90061024) AT (	89.00, -206.00) GC	37.	76.54446	(90010708) AT (	-11.00, -206.00) GC
13.	119.83300	(90071824) AT (	-11.00, -206.00) GC	38.	76.02791	(90042008) AT (	-11.00, -206.00) GC
14.	119.65064c	(90012124) AT (	89.00, -206.00) GC	39.	74.90762	(90010108) AT (	89.00, -306.00) GC
15.	107.04922c	(90030624) AT (	-11.00, -206.00) GC	40.	74.87153c	(90062324) AT (	89.00, -206.00) GC
16.	101.17020	(90111508) AT (	-11.00, -306.00) GC	41.	74.41286c	(90072308) AT (	89.00, -206.00) GC
17.	100.88592c	(90060108) AT (	-11.00, -206.00) GC	42.	74.21909c	(90101324) AT (	89.00, -206.00) GC
18.	100.44365	(90012816) AT (	-11.00, -206.00) GC	43.	74.12771	(90082616) AT (	89.00, -206.00) GC
19.	97.68174	(90022416) AT (	89.00, -206.00) GC	44.	73.87977	(90020408) AT (	89.00, -106.00) GC
20.	91.35165	(90072216) AT (	89.00, -206.00) GC	45.	73.60226	(90070616) AT (	89.00, -206.00) GC
21.	90.69008	(90012116) AT (	89.00, -206.00) GC	46.	73.54385c	(90051124) AT (	-11.00, -206.00) GC
22.	90.36335	(90020108) AT (	-11.00, -206.00) GC	47.	73.10343c	(90060208) AT (	-11.00, -206.00) GC
23.	89.67004	(90021908) AT (	-11.00, -206.00) GC	48.	72.18556	(90102608) AT (	89.00, -306.00) GC
24.	89.32784c	(90010916) AT (	89.00, -206.00) GC	49.	72.00855	(90052508) AT (	-11.00, -206.00) GC
25.	88.64420	(90092324) AT (	89.00, -306.00) GC	50.	71.85275	(90030824) AT (	-11.00, -206.00) GC

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1990 Met CO  
\*\*\* Revised building height = 38'

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\*\*\*

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

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

\*\* CONC OF CO 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	1499.78979	ON 90061521: AT (	89.00, -206.00, 0.00,	0.00) GC	100METER
HIGH 2ND HIGH VALUE IS	1499.02344	ON 90052903: AT (	89.00, -206.00, 0.00,	0.00) GC	100METER

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*

\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1990 Met CO  
\*\*\* Revised building height = 38'

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\*\*MODELOPTs: CONC

RURAL FLAT DFAULT

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

\*\* CONC OF CO 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	224.84274c	ON 90083008: AT (	89.00, -206.00, 0.00,	0.00) GC	100METER
HIGH 2ND HIGH VALUE IS	193.37047	ON 90061524: AT (	89.00, -206.00, 0.00,	0.00) GC	100METER

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

\*\*\* ISCST3 - VERSION 98356 \*\*\*  
\*\*\* FGT CS 14A ISCST Turbine 1407 & Emergency Generator 3 1990 Met CO \*\*\*  
\*\*\* Revised building height = 38' \*\*\*

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\*\*MODELOPTs: CONC                   RURAL FLAT                   DFAULT

\*\*\* Message Summary : ISCST3 Model Execution \*\*\*

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

A Total of           0 Fatal Error Message(s)  
A Total of           0 Warning Message(s)  
A Total of         2468 Informational Message(s)  
A Total of         2468 Calm Hours Identified

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

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

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