Georgia-Pacific Corporation

Palatka Operations
Packaged Products Division
P.O. Box 919
Palatka, Florida 32178-0919
Telephone (904) 325-2001

February 8, 1999

RECEIVED
FEB 9 1999
BUREAU OF AIR REGULATION

Mr. Al Linero
State of Florida
Department of Environmental Protection
Division of Air Resources Management
Mail Station 5505
2600 Blair Stone Road
Tallahassee, Florida 32299-2400

PSD-FI-264
1070005-006-AC

Dear Mr. Linero:

Enclosed, please find enclosed Check No. 00884270, in the amount of $7,500, to cover the cost of the application for an air construction permit (four copies enclosed) to construct a new bleach plant to covert to elemental chlorine free technology. This is part of our strategy to comply with the Cluster Rule.

If you have any questions or comments, please do hesitate to contact me at 904-329-0918.

Sincerely,

Myra J. Carpenter
Environmental Superintendent

kb

Enclosures

CC: Syed Arif

Georgia-Pacific

Shared Services
7016 A. C. Skinner Parkway
Jacksonville, FL 32256
(800) 644-1365

WACHOVIA
Wachovia Bank of Georgia, N.A
Augusta, Georgia 30903
64-1327
611

Check Number 00884270

Date	Amount
02/01/99	********7,500.00

Void After 180 Days

PAY **Seven Thousand Five Hundred and 00/100 Dollars**

TO THE ORDER OF
STATE OF FLORIDA, DEPARTMENT OF
ENVIRONMENTAL PROTECTION
P O BOX 3070
TALLAHASSEE, FL 32315

Richard F. Roth

Two MANUAL signatures required for amounts over $300,000

"00884270" :063113279: 07 505 216"

Georgia-Pacific

Shared Services
7016 A. C. Skinner Parkway
Jacksonville, FL 32256
(800) 644-1365

G-P Location Name:
PALATKA

Check No. 00884270
Date 02/01/99

Vendor No. PP 258-F3781
STATE OF FLORIDA, DEPARTMENT OF

INVOICE NUMBER	AMOUNT	DISCOUNT	NET AMOUNT
CR012999 K.BISSO	7,500.00	.00	7,500.00
TOTALS	7,500.00	.00	7,500.00

FORMS CONTROL NUMBER:
(SEE CHECK NUMBER ABOVE) 3815088

GP 10814 (9/97)

File Copy

AIR CONSTRUCTION
PERMIT APPLICATION
FOR
PROPOSED ECF BLEACH PLANT

GEORGIA-PACIFIC CORPORATION
PALATKA MILL

Prepared For:

Georgia-Pacific Corporation
North of CR 216; West of US 17
Palatka, FL 32177

Prepared By:

Golder Associates Inc.
6241 NW 23rd Street
Gainesville, FL 32653

DISTRIBUTION:
10 Copies - Joe Taylor
2 Copies - Golder Associates Inc.

RECEIVED
FEB 9 1999
BUREAU OF
AIR REGULATION

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PART A

PERMIT APPLICATION

Department of
Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - LONG FORM

See Instructions for Form No. 62-210.900(1)

I. APPLICATION INFORMATION

This section of the Application for Air Permit form identifies the facility and provides general information on the scope and purpose of this application. This section also includes information on the owner or authorized representative of the facility (or the responsible official in the case of a Title V source) and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department using ELSA, this section of the Application for Air Permit must also be submitted in hard-copy.

Identification of Facility Addressed in This Application

Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility site name, if any; and the facility's physical location. If known, also enter the facility identification number.

1. Facility Owner/Company Name: **Georgia-Pacific Corporation**	
2. Site Name: **Palatka Mill**	
3. Facility Identification Number: **1070005**	[ ] Unknown
4. Facility Location Information: Street Address or Other Locator: **North of CR 216; West of US 17** City: **Palatka** County: **Putnam** Zip Code: **32177**	
5. Relocatable Facility? [ ] Yes [X] No	6. Existing Permitted Facility? [X] Yes [ ] No

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	February 9, 1999
2. Permit Number:	1070005-006-AC
3. PSD Number (if applicable):	PSD-FL-264
4. Siting Number (if applicable):	

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official:

David Spraley, Vice President, Palatka Operations

2. Owner/Authorized Representative or Responsible Official Mailing Address:

Organization/Firm: **Georgia-Pacific Corporation**
Street Address: **P.O. Box 919**
City: **Palatka** State: **FL** Zip Code: **32178-0919**

3. Owner/Authorized Representative or Responsible Official Telephone Numbers:

Telephone: **(904) 325-2001** Fax: **(904) 328-0014**

4. Owner/Authorized Representative or Responsible Official Statement:

I, the undersigned, am the owner or authorized representative of the non-Title V source addressed in this Application for Air Permit or the responsible official, as defined in Rule 62-210.200, F.A.C., 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.*

David A. Spraley

Signature Date

* Attach letter of authorization if not currently on file.

Scope of Application

This Application for Air Permit addresses the following emissions unit(s) at the facility. An Emissions Unit Information Section (a Section III of the form) must be included for each emissions unit listed.

Emissions Unit ID		Description of Emissions Unit	Permit Type
Unit #	Unit ID		
1R		Proposed ECF No. 3 Bleach Plant	AC1E

See individual Emissions Unit (EU) sections for more detailed descriptions.
Multiple EU IDs indicated with an asterisk (*). Regulated EU indicated with an "R".

Purpose of Application and Category

Check one (except as otherwise indicated):

Category I: All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C.

This Application for Air Permit is submitted to obtain:

[ ] Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.

[ ] Initial air operation permit under Chapter 62-213, F.A.C., 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: _____

[ ] Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed: _____

[ ] Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: _____

Operation permit to be renewed: _____

[ ] Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. Also check Category III.

Operation permit to be revised/corrected: _____

_____

[ ] Air operation permit revision for a Title V source 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 to be revised: _____

Reason for revision: _____

_____

Category II: All Air Construction Permit Applications Subject to Processing Under Rule 62-210.300(2)(b),F.A.C.

This Application for Air Permit is submitted to obtain:

[ ] Initial air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s): _____

_____

[ ] Renewal air operation permit under Rule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed: _____

[ ] Air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g.; to address one or more newly constructed or modified emissions units.

Operation permit to be revised: _____

Reason for revision: _____

_____

Category III: All Air Construction Permit Applications for All Facilities and Emissions Units.

This Application for Air Permit is submitted to obtain:

[x] Air construction permit to construct or modify one or more emissions units within a facility (including any facility classified as a Title V source).

Current operation permit number(s), if any: _____

_____

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

Current operation permit number(s): _____

_____

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

Application Processing Fee

Check one:

[x] Attached - Amount: $ $ 7,500.00 [ ] Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations:

This application is being submitted for a proposed ECF Bleach Plant at Georgia-Pacific's Palatka mill. See Attachment A for details.

2. Projected or Actual Date of Commencement of Construction :

1 Mar 1999

3. Projected Date of Completion of Construction :

1 Mar 2001

Professional Engineer Certification

1. Professional Engineer Name: **David A. Buff**
   Registration Number: **19011**

2. Professional Engineer Mailing Address:
   Organization/Firm: **Golder Associates Inc.**
   Street Address: **6241 NW 23rd Street, Suite 500**
   City: **Gainesville** State: **FL** Zip Code: **32653-1500**

3. Professional Engineer Telephone Numbers:
   Telephone: **(352) 336-5600** Fax: **(352) 336-6603**

4. Professional Engineer's 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.

David A. Buff — Signature (seal)

1/29/99 — Date

* Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact:
   Myra Carpenter, Superintendent of Env. Affairs

2. Application Contact Mailing Address:

   Organization/Firm: **Georgia-Pacific Corporation**
   Street Address: **P.O. Box 919**
   City: **Palatka** State: **FL** Zip Code: **32178-0919**

3. Application Contact Telephone Numbers:

   Telephone: **(904) 325-2001** Fax: **(904) 328-0014**

Application Comment

See Attachment A

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates:
   Zone: **17** East (km): **434.0** North (km): **3283.4**

2. Facility Latitude/Longitude:
   Latitude (DD/MM/SS): **29 / 41 / 0** Longitude: (DD/MM/SS): **81 / 40 / 45**

3. Governmental Facility Code:	4. Facility Status Code:	5. Facility Major Group SIC Code:	6. Facility SIC(s):
0	**A**	**26**	**2611, 2621**

7. Facility Comment (limit to 500 characters):

Facility Contact

1. Name and Title of Facility Contact:
   Myra Carpenter, Superintendent of Env. Affairs

2. Facility Contact Mailing Address:
   Organization/Firm: **Georgia-Pacific Corporation**
   Street Address: **P.O. Box 919**
   City: **Palatka** State: **FL** Zip Code: **32178-0919**

3. Facility Contact Telephone Numbers:
   Telephone: **(904) 325-2001** Fax: **(904) 328-0014**

Facility Regulatory Classifications

1. Small Business Stationary Source?		
[ ] Yes	[x] No	[ ] Unknown
2. Title V Source?		
[x] Yes	[ ] No	
3. Synthetic Non-Title V Source?		
[ ] Yes,	[x] No	
4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?		
[x] Yes	[ ] No	
5. Synthetic Minor Source of Pollutants Other than HAPs?		
[ ] Yes	[x] No	
6. Major Source of Hazardous Air Pollutants (HAPs)?		
[x] Yes	[ ] No	
7. Synthetic Minor Source of HAPs?		
[ ] Yes	[x] No	
8. One or More Emissions Units Subject to NSPS?		
[x] Yes	[ ] No	
9. One or More Emissions Units Subject to NESHAP?		
[ ] Yes	[x] No	
10. Title V Source by EPA Designation?		
[ ] Yes	[x] No	
11. Facility Regulatory Classifications Comment (limit to 200 characters):		

B. FACILITY REGULATIONS

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

Not Applicable

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

Not Applicable

C. FACILITY POLLUTANTS

Facility Pollutant Information

1. Pollutant Emitted		2. Pollutant Classification
PM	Particulate Matter - Total	A
PM10	Particulate Matter - PM10	A
SO2	Sulfur Dioxide	A
NOx	Nitrogen Oxides	A
CO	Carbon Monoxide	A
VOC	Volatile Organic Compounds	A
SAM	Sulfuric Acid Mist	A
TRS	Total Reduced Sulfur	A
HAPS	Total Hazardous Air Pollutants	A
H001	Acetaldehyde	A
H021	Beryllium Compounds	B
H043	Chloroform	A
H095	Formaldehyde	A
H106	Hydrochloric acid	A
H115	Methanol	A

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Detail Information:

1. Pollutant Emitted:		
2. Requested Emissions Cap:	(lb/hr)	(tons/yr)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment (limit to 400 characters):		

Facility Pollutant Detail Information:

1. Pollutant Emitted:		
2. Requested Emissions Cap:	(lb/hr)	(tons/yr)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment (limit to 400 characters):		

E. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location:
   [X] Attached, Document ID: GP-FI-E1
   [ ] Not Applicable [ ] Waiver Requested

2. Facility Plot Plan:
   [X] Attached, Document ID: GP-FI-E2
   [ ] Not Applicable [ ] Waiver Requested

3. Process Flow Diagram(s):
   [ ] Attached, Document ID(s): _____
   [X] Not Applicable [ ] Waiver Requested

4. Precautions to Prevent Emissions of Unconfined Particulate Matter:
   [ ] Attached, Document ID: _____
   [X] Not Applicable [ ] Waiver Requested

5. Fugitive Emissions Identification:
   [ ] Attached, Document ID: _____
   [X] Not Applicable [ ] Waiver Requested

6. Supplemental Information for Construction Permit Application:
   [X] Attached, Document ID: Attachment A
   [ ] Not Applicable

Additional Supplemental Requirements for Category I Applications Only

7. List of Proposed Exempt Activities:
   [ ] Attached, Document ID: _____
   [ ] Not Applicable

8. List of Equipment/Activities Regulated under Title VI:
   [ ] Attached, Document ID: _____
   [ ] Equipment/Activities On site but Not Required to be Individually Listed
   [ ] Not Applicable

9. Alternative Methods of Operation:
   [ ] Attached, Document ID: _____
   [ ] Not Applicable

10. Alternative Modes of Operation (Emissions Trading):
    [ ] Attached, Document ID: _____
    [ ] Not Applicable

11. Identification of Additional Applicable Requirements:
[ ] Attached, Document ID: _____
[ ] Not Applicable

12. Compliance Assurance Monitoring Plan:
[ ] Attached, Document ID: _____
[ ] Not Applicable

13. Risk Management Plan Verification:

[ ] Plan Submitted to Implementing Agency - Verification Attached
Document ID: _____

[ ] Plan to be Submitted to Implementing Agency by Required Date

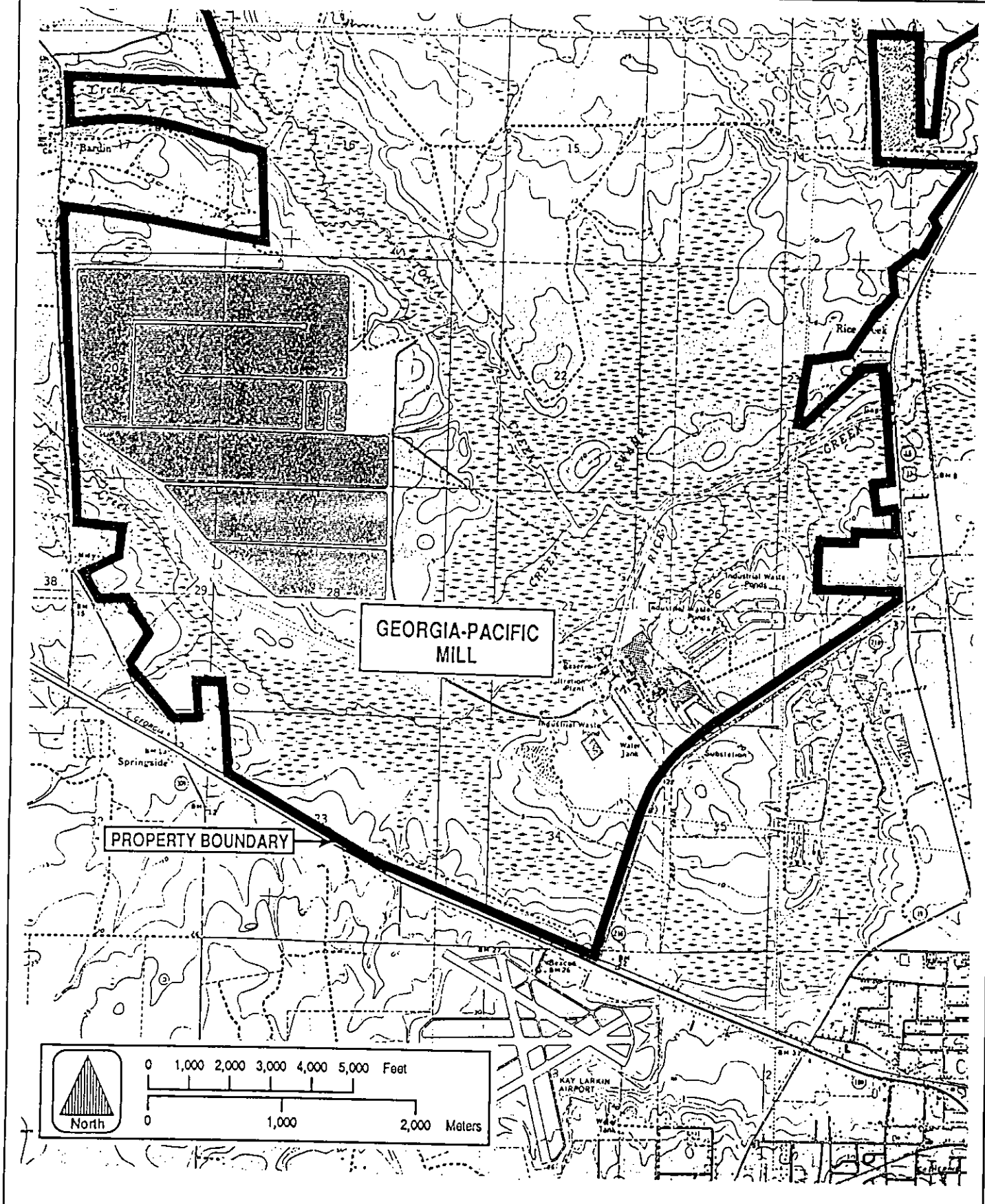
[ ] Not Applicable

14. Compliance Report and Plan
[ ] Attached, Document ID: _____
[ ] Not Applicable

15. Compliance Statement (Hard-copy Required)
[ ] Attached, Document ID: _____
[ ] Not Applicable

ATTACHMENT GP-FI-E1

AREA MAP



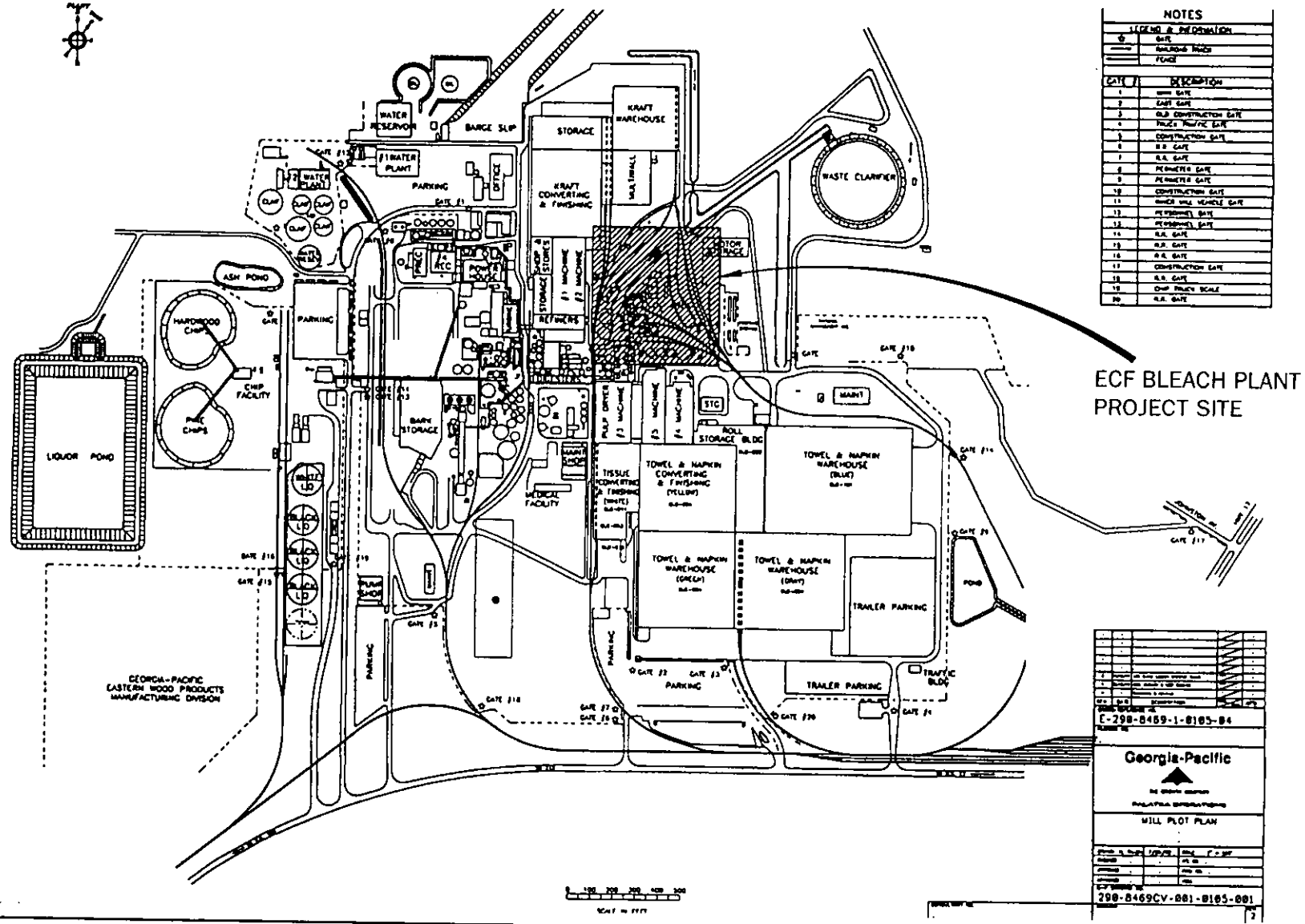
Attachment GP-FI-E1
Area Map: Georgia-Pacific Corporation
Palatka Mill

Golder Associates

ATTACHMENT GP-FI-E2

FACILITY PLOT PLAN

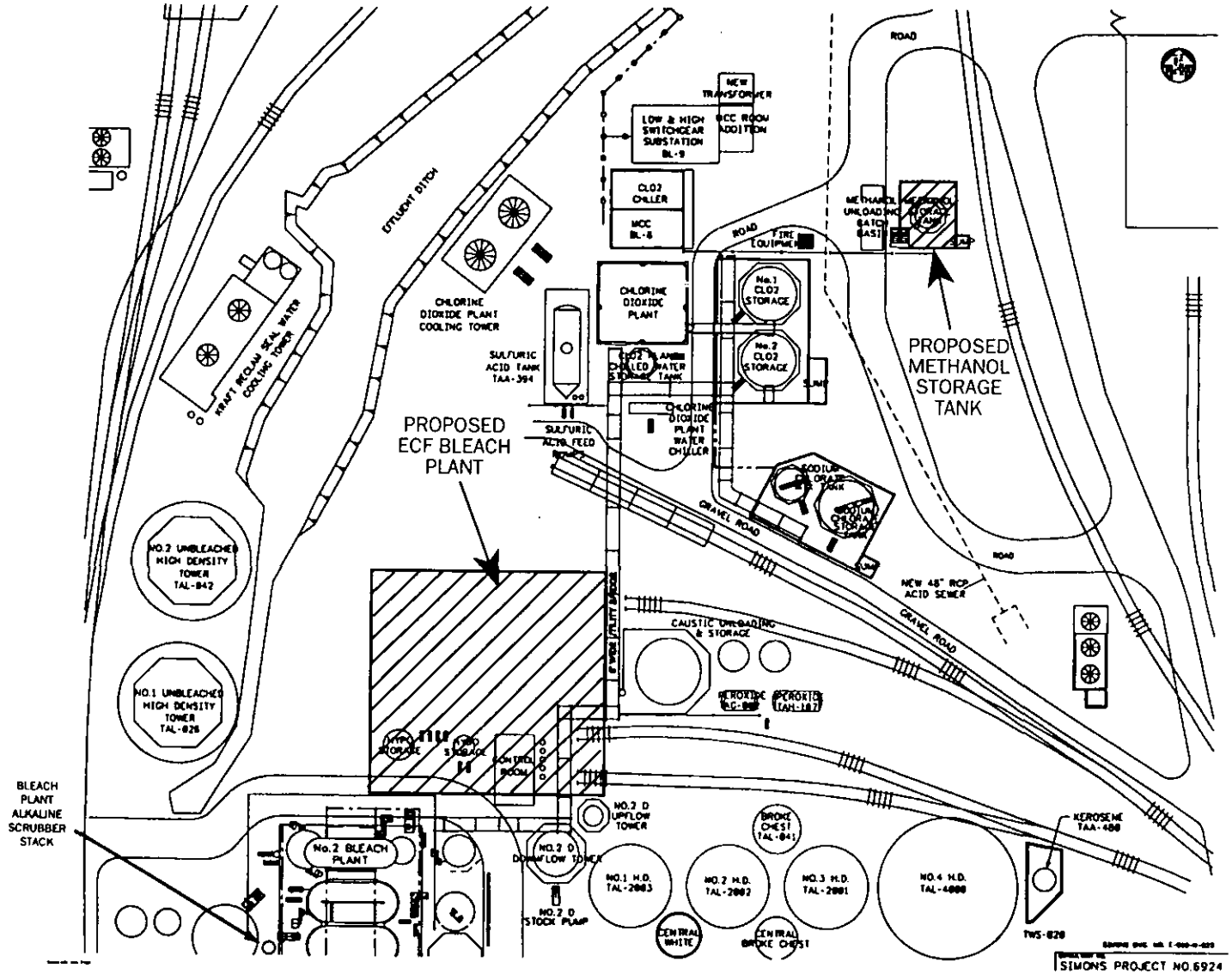
08-19-98



Attachment GP-FI-E2a
Plot Plan

Source: Georgia Pacific, 1998.

Golder Associates



Attachment GP-FI-E2b
Plot Plan

Source: Georgia Pacific, 1998.

Golder Associates

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L 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. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

[X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

[ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one:

[X] 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).

[ ] 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.

[ ] 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.

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Proposed ECF No. 3 Bleach Plant**		
2. Emissions Unit Identification Number: [X] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code: C	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 26
6. Emissions Unit Comment (limit to 500 characters): **ECF No. 3 Bleach Plant will replace Bleach Plant Nos. 1 and 2 and will utilize an Elemental Chlorine Free (ECF) bleaching process. See Attachment A for further details.**		

Emissions Unit Control Equipment Information

A.

1. Description (limit to 200 characters):

Packed-Gas Adsorption column- Control for ECF Bleach Plant

2. Control Device or Method Code: **50**

B.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Details

1. Initial Startup Date:	
2. Long-term Reserve Shutdown Date:	
3. Package Unit: Manufacturer:	Model Number:
4. Generator Nameplate Rating:	MW
5. Incinerator Information: Dwell Temperature: Dwell Time: Incinerator Afterburner Temperature:	 °F seconds °F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	lbs/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:	1,350	tons/day
5. Operating Capacity Comment (limit to 200 characters): **Maximum production rate refers to average monthly design rate for Air Dried Tons of Bleached Pulp (ADTBP) production for the bleach plant. Maximum daily pulp production design rate is 1,702 ADTBP per**		

Emissions Unit Operating Schedule

1. Requested Maximum Operating Schedule:			
	24 hours/day	7	days/week
	52 weeks/yr	8,760	hours/yr

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Rule Applicability Analysis (Required for Category II Applications and Category III applications involving non Title-V sources. See Instructions.)

Not Applicable

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

40CFR63.445 - Standards for Bleaching System
40CFR63.450 - Standards for Enclosures and Closed-Vent Systems
40CFR63.453 - Monitoring Requirements
40CFR63.454 - Recordkeeping Requirements
40CFR63.455 - Reporting Requirements
40CFR63.457 - Test Methods and Procedures
62-296.320(2), F.A.C. - General Pollutant Emission Limiting Standards: Odor

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

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: ECF Bleach Plant
2. Emission Point Type Code: [ ] 1 [x] 2 [ ] 3 [ ] 4
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:
5. Discharge Type Code: [ ] D [ ] F [ ] H [ ] P [ ] R [x] V [ ] W
6. Stack Height: 118 feet
7. Exit Diameter: 4 feet
8. Exit Temperature: 150 °F

9. Actual Volumetric Flow Rate:	**23,000** acfm
10. Percent Water Vapor:	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates:	
Zone: East (km):	North (km):
14. Emission Point Comment (limit to 200 characters):	
Values representative of scrubber exhaust stack. ACFM represents maximum design rate. Scrubber will operate below this rate.	

F. SEGMENT (PROCESS/FUEL) INFORMATION
(Regulated and Unregulated Emissions Units)

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): **Pulp and Paper and Wood - Sulfate (Kraft) Pulping; Industrial Processes: Sulfate (Kraft) Pulping: Bleaching Reactors**
2. Source Classification Code (SCC): **3-07-001-14**
3. SCC Units: **Tons Air-Dried Unbleached Pulp Produced**

4. Maximum Hourly Rate:	5. Maximum Annual Rate:
77.1	**535,455**

6. Estimated Annual Activity Factor:

7. Maximum Percent Sulfur:	8. Maximum Percent Ash:

9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters): **See Attachment GP-EU1-F10**

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (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 Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
VOC	050		NS
HAPS	050		WP
H115	050		NS
H043	050		WP
CO			NS
H038	050		WP

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **VOC**
2. Total Percent Efficiency of Control: %
3. Potential Emissions: **24.1** lb/hour **80.7** tons/year
4. Synthetically Limited? [ ] Yes [**X**] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/yr
6. Emission Factor: Reference: **NCASI**
7. Emissions Method Code: [ ] 0 [ ] 1 [ ] 2 [ ] 3 [ ] 4 [**X**] 5
8. Calculation of Emissions (limit to 600 characters): **See Table 2-2.**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters): **VOC's are from bleach plant alkaline wet scrubber.**

Emissions Unit Information Section 1 **of** 1

Allowable Emissions (Pollutant identified on front page)

A.

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

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **HAPS**
2. Total Percent Efficiency of Control: %
3. Potential Emissions: **22.3** lb/hour **75.5** tons/year
4. Synthetically Limited? [ ] Yes [**X**] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/yr
6. Emission Factor: Reference: **Manuf. Info. & NCASI**
7. Emissions Method Code: [ ] 0 [ ] 1 [ ] 2 [ ] 3 [ ] 4 [**X**] 5
8. Calculation of Emissions (limit to 600 characters): **See Table 2-2.**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Emissions Unit Information Section 1 **of** 1

Allowable Emissions (Pollutant identified on front page)

A.

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

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **H115**
2. Total Percent Efficiency of Control: %
3. Potential Emissions: **20.6** lb/hour **68.8** tons/year
4. Synthetically Limited? [ ] Yes [**X**] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/yr
6. Emission Factor: Reference: **NCASI**
7. Emissions Method Code: [ ] 0 [ ] 1 [ ] 2 [ ] 3 [ ] 4 [**X**] 5
8. Calculation of Emissions (limit to 600 characters): **See Table 2-2.**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters): **Pollutant code H115 is methanol.**

Emissions Unit Information Section 1 **of** 1

Allowable Emissions (Pollutant identified on front page)

A.

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

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **H043**
2. Total Percent Efficiency of Control: %
3. Potential Emissions: **0.58** lb/hour **1.94** tons/year
4. Synthetically Limited? [ ] Yes [**X**] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/yr
6. Emission Factor: Reference: **NCASI**
7. Emissions Method Code: [ ] 0 [ ] 1 [ ] 2 [ ] 3 [ ] 4 [**X**] 5
8. Calculation of Emissions (limit to 600 characters): **See Table 2-2.**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters): **Pollutant code H043 is chloroform.**

Emissions Unit Information Section 1 **of** 1

Allowable Emissions (Pollutant identified on front page)

A.

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

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **CO**
2. Total Percent Efficiency of Control: %
3. Potential Emissions: **63.4** lb/hour **201** tons/year
4. Synthetically Limited? [ ] Yes [**X**] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/yr
6. Emission Factor: Reference: **NCASI**
7. Emissions Method Code: [ ] 0 [ ] 1 [ ] 2 [ ] 3 [ ] 4 [**X**] 5
8. Calculation of Emissions (limit to 600 characters): **See Attachment 2-2. Hourly emissions based on max daily pulp production of 1,702 ADTBP per day. Annual emissions based on avg. monthly pulp production of 1,350 ADTBP per day.**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Emissions Unit Information Section 1 **of** 1

Allowable Emissions (Pollutant identified on front page)

A.

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

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **H038**
2. Total Percent Efficiency of Control: %
3. Potential Emissions: **0.91** lb/hour **3.99** tons/year
4. Synthetically Limited? [ ] Yes [**X**] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/yr
6. Emission Factor: Reference: **Manuf. Estimate**
7. Emissions Method Code: [**X**] 0 [ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5
8. Calculation of Emissions (limit to 600 characters): **See Table 2-2.**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters): **Pollutant code H038 is chlorine.**

Emissions Unit Information Section 1 **of** 1

Allowable Emissions (Pollutant identified on front page)

A.

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

B.

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

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitations: Visible Emissions Limitation _____ of _____

1.	Visible Emissions Subtype:
2.	Basis for Allowable Opacity: [ ] Rule [ ] Other
3.	Requested Allowable Opacity Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4.	Method of Compliance:
5.	Visible Emissions Comment (limit to 200 characters):

Visible Emissions Limitations: Visible Emissions Limitation _____ of _____

1.	Visible Emissions Subtype:
2.	Basis for Allowable Opacity: [ ] Rule [ ] Other
3.	Requested Allowable Opacity Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4.	Method of Compliance:
5.	Visible Emissions Comment (limit to 200 characters):

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Continuous Monitoring System Continuous Monitor 1 of 3

1. Parameter Code: pH	2. Pollutant(s):
3. CMS Requirement: [X] Rule [ ] Other	
4. Monitor Information: Monitor Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters): **40CFR63.453(c)(1) requires pH monitoring of the gas scrubbing medium.**	

Continuous Monitoring System Continuous Monitor 2 of 3

1. Parameter Code: FLOW	2. Pollutant(s):
3. CMS Requirement: [X] Rule [ ] Other	
4. Monitor Information: Monitor Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters): **40CFR63.453(c)(2) requires measurement of vent gas inlet flow rate.**	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Continuous Monitoring System Continuous Monitor 3 of 3

1. Parameter Code: FLOW	2. Pollutant(s):
3. CMS Requirement: [X] Rule [ ] Other	
4. Monitor Information: Monitor Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters): **40CFR63.453(c)(3) requires measurement of the gas scrubber liquid influent flow rate.**	

Continuous Monitoring System Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement: [ ] Rule [ ] Other	
4. Monitor Information: Monitor Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION
(Regulated and Unregulated Emissions Units)

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

   If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

   [ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

   [ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and the emissions unit consumes increment.

   [ ] The facility addressed in this application is classified as an EPA major source and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and the emissions unit consumes increment.

   [ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

   [ ] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and the source consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and the source consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and the emissions unit consumes increment.

[ ] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3.	Increment Consuming/Expanding Code:			
	PM	[ ] C	[ ] E	[ ] Unknown
	SO_2	[ ] C	[ ] E	[ ] Unknown
	NO_2	[ ] C	[ ] E	[ ] Unknown
4.	Baseline Emissions:			
	PM	lb/hour		tons/year
	SO_2	lb/hour		tons/year
	NO_2			tons/year
5.	PSD Comment (limit to 200 characters):			
	Emission unit does not emit PM, SO2 or NOx.			

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements for All Applications

1.	Process Flow Diagram	
	[X] Attached, Document ID: GP-EU1-L1	
	[ ] Not Applicable	[ ] Waiver Requested
2.	Fuel Analysis or Specification	
	[ ] Attached, Document ID: _____	
	[X] Not Applicable	[ ] Waiver Requested
3.	Detailed Description of Control Equipment	
	[X] Attached, Document ID: GP-EU1-L3	
	[ ] Not Applicable	[ ] Waiver Requested
4.	Description of Stack Sampling Facilities	
	[ ] Attached, Document ID: _____	
	[X] Not Applicable	[ ] Waiver Requested
5.	Compliance Test Report	
	[ ] Attached, Document ID: _____	[X] Not Applicable
	[ ] Previously Submitted, Date: _____	
6.	Procedures for Startup and Shutdown	
	[ ] Attached, Document ID: _____	[X] Not Applicable
7.	Operation and Maintenance Plan	
	[ ] Attached, Document ID: _____	[X] Not Applicable
8.	Supplemental Information for Construction Permit Application	
	[X] Attached, Document ID: Attachment A	[ ] Not Applicable
9.	Other Information Required by Rule or Statute	
	[ ] Attached, Document ID: _____	[X] Not Applicable

Additional Supplemental Requirements for Category I Applications Only

10.	Alternative Methods of Operation [ ] Attached, Document ID: _____ [ ] Not Applicable
11.	Alternative Modes of Operation (Emissions Trading) [ ] Attached, Document ID: _____ [ ] Not Applicable
12.	Identification of Additional Applicable Requirements [ ] Attached, Document ID: _____ [ ] Not Applicable
13.	Compliance Assurance Monitoring Plan [ ] Attached, Document ID: _____ [ ] Not Applicable
14.	Acid Rain Permit Application (Hard Copy Required) [ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ [ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ [ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ [ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ [ ] Not Applicable

ATTACHMENT GP-EU1-F10

SEGMENT COMMENT

ATTACHMENT GP-EU1-F10

SEGMENT COMMENT

Maximum Annual Rate based on average monthly No. 3 Bleach Plant production of 1,350 Air Dired Tons of Bleached Pulp (ADTBP) per day. Maximum hourly rate based on maximum daily production of 1,702 ADTBP per day. Values converted to Air-Dried Tons Unbleached Pulp (ADTUP) using a conversion factor of Unbleached/Bleached = 1/0.92.

1,350 ADTBP ÷ 0.92 = 1,467 ADTUP (monthly average)

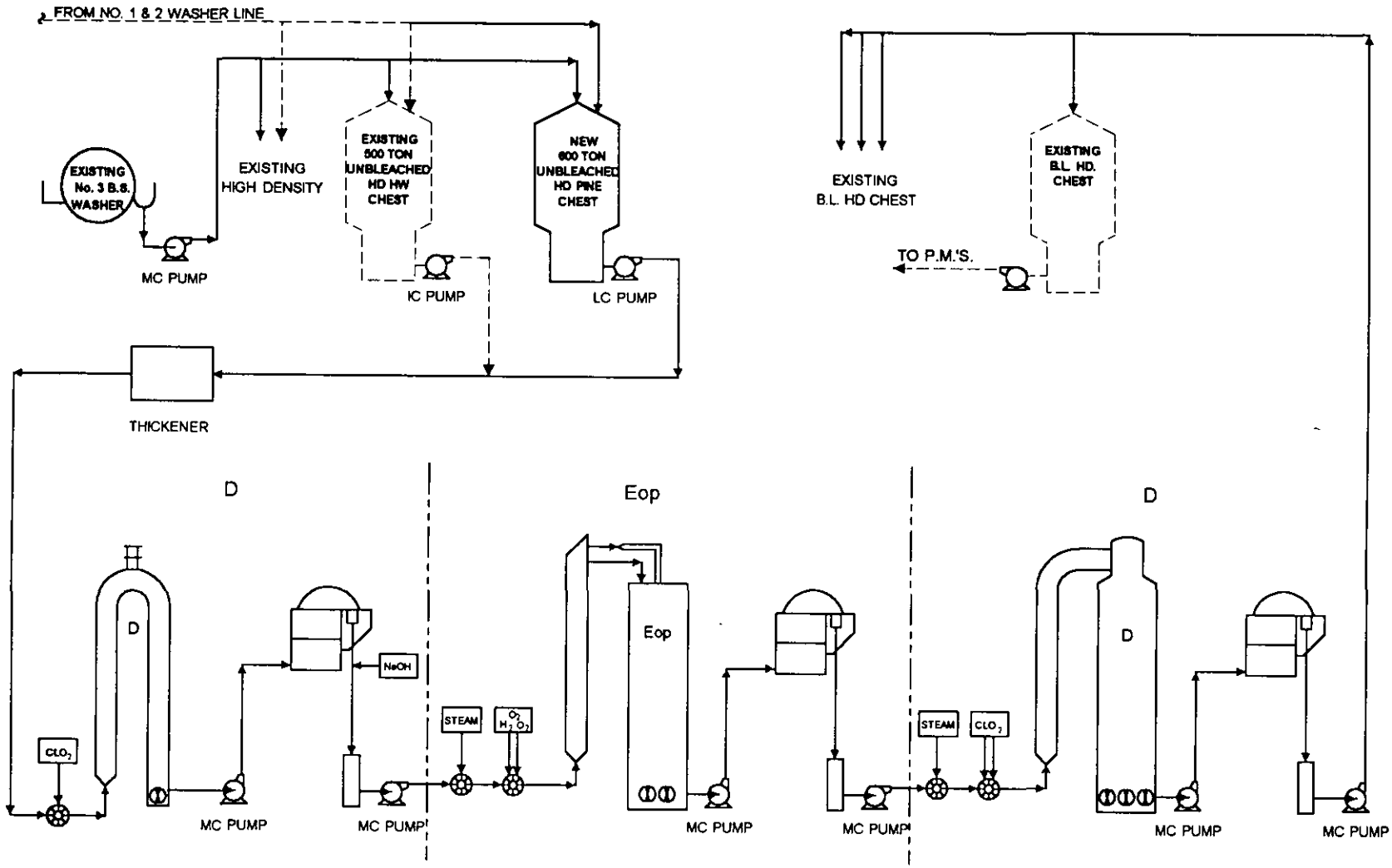
1,702 ADTBP ÷ 0.92 = 1,850 ADTUP (maximum daily)

Maximum Hourly Rate: 1,850 ADTUP ÷ 24 hrs/day = 77.1 ADTUP per hour, 24-hr average

Maximum Annual Rate: 1,467 ADTUP * 365 days/yr = 535,455 ADTUP per year

ATTACHMENT GP-EU1-L1

PROCESS FLOW DIAGRAM



NEW BLEACHED PLANT - D(Eop)D

ATTACHMENT: GP-EU1-L1

Revision Date: November 1998
Filename: 9737574Y/F2/GPEU1L1.VSD
SOURCE: GEORGIA PACIFIC, 1998.

Process Flow Legend
NEW CONFIGURATION ——►
EXISTING CONFIGURATION - - - ►

PROPOSED
ECF BLEACH PLANT
FLOW DIAGRAM

Golder Associates

ATTACHMENT GP-EU1-L3

DETAILED DESCRIPTION OF CONTROL EQUIPMENT

PJW SCRUBPAR.WK4 11/19/98

Attachment GP-EU3-L3

Georgia Pacific Corporation Palatka Facility
Existing Chlorine Dioxide Alkaline Scrubber Equipment Parameters

Scrubber Type	Packed Bed Wet Scrubber
Scrubbant	Alkaline Liquid
Packing Material	No. 2 Super Interlocks
Packing Arrangement	Two 25 Foot beds
Outlet Gas Temp (°F)	150
Outlet Gas Flow Rate (ACFM)	23,000
Average Scrubbant pH	11-12
Scubbant Flow Rate (gpm)	1,000

PART B

PSD REPORT

ATTACHMENT A

1.0 INTRODUCTION

Georgia-Pacific Corporation (G-P) operates a Kraft pulp mill located in Palatka, Florida. As part of the paper making process, pulp bleaching is conducted at the facility. G-P currently operates two bleach plants at the Palatka Mill. This project proposes to replace the existing No. 1 and No. 2 Bleach Plants with a new bleach plant having an average monthly pulp production rate of 1,350 Air Dried Tons of Bleached Pulp (ADTBP) per day. The new bleach plant will be capable of a maximum daily pulp production of 1,702 ADTBP per day. The proposed No. 3 Bleach Plant will bleach pulp through the use of chlorine dioxide in place of elemental chlorine and sodium hypochlorite. The proposed bleach plant will consist of three stages. Chlorine dioxide, to be produced by the recently proposed new chlorine dioxide plant, will be sent to the first stage of the bleach plant, followed by caustic/hydrogen peroxide/oxygen in the second stage, and finally chlorine dioxide again in the third stage.

These proposed bleach plant and associated facility changes will not affect maximum pulp production or the operation of any other emission units at the facility. Current maximum permitted pulp production for the digester system at G-P is 1,850 ADTP/day as a monthly average. Currently the mill uses a combination of chlorine dioxide (ClO_2) and elemental chlorine to bleach pulp. Implementation of a totally elemental chlorine-free (ECF) process will help G-P meet the recently promulgated Maximum Achievable Control Technology (MACT) Standards promulgated for the pulp and paper industry, (referred to as MACT I or Cluster Rule). The Cluster Rule deadline for becoming ECF is April 16, 2001. While the conversion to ECF bleaching will achieve compliance with the Cluster Rule, it will also reduce color, conductivity, and biochemical oxygen demand in the mill's effluent. In addition, with the strategy of replacing the existing bleach plants with a new bleach plant will have the added benefit of reducing both water and chemical usage, which would not be possible by simply rebuilding the existing bleach plants.

The existing bleach plants have not previously been permitted, but were included in the recently submitted Title V permit application as unregulated emissions units. After accounting for emissions reductions from the existing plants, the proposed bleach plant will constitute a major modification at a major stationary source under federal and State air quality regulations. Therefore, the requirements of the Prevention of Significant Deterioration (PSD) New Source Review procedures pursuant to rules and regulations implementing the Clean Air Act (CAA) Amendments of 1977 are applicable.

This application contains six additional sections. A description of the proposed project and associated air emission rates is presented in Section 2.0. The air quality review requirements and source applicability of the proposed project in relation to regulatory requirements are discussed in Section 3.0. Preconstruction PSD ambient monitoring requirements are addressed in Section 4.0. The air quality impact analysis is presented in Section 5.0, while the Best Available Control Technology (BACT) analysis, required as part of the PSD permitting process, is presented in Section 6.0. The impacts of the project on soils, vegetation, and visibility are addressed in Section 7.0. Also included in this section are potential impacts upon federal PSD Class I areas. Supportive information is provided in the attachments.

2.0 PROJECT DESCRIPTION

2.1 BACKGROUND

G-P operates a Kraft pulp and paper mill located in Palatka, Florida. Processes and systems at the Mill include a batch digester system, multiple effect evaporator (MEE) system, condensate stripper system, recovery boiler and smelt dissolving tanks, lime kiln, tall oil plant, utilities, bleach plants, chlorine dioxide plant, and other equipment to produce finished paper products from virgin wood.

The proposed No. 3 Bleach Plant will have the ability to bleach either softwood or hardwood pulp with a capacity approximately equal to that of the two existing bleach plants. The new bleach plant will bleach the pulp in three stages, with a decker at the front of the sequence. The three stages consist of a D_{100} stage (chlorine dioxide stage), an E_{OP} stage (caustic extraction with oxygen and peroxide), and a D stage (chlorine dioxide stage), resulting in a D_{100} (E_{OP}) D sequence. Pulp to the bleach plant will be supplied from the existing No. 2 High Density (HD) chest for hardwood and from a new No. 3 HD chest for softwood. The proposed bleach plant will be designed for a monthly average production rate of 1,350 ADTBP per day and a maximum daily production rate of 1,702 ADTBP per day.

The proposed construction will include three major changes;

- Modification of the existing unbleached storage brown stock supply system
- Construction of a new No. 3 Bleach Plant as an ECF three-stage pressure washing style system, and

2.1.1 Unbleached Storage

The existing 500-ton No. 2 HD chest will be utilized for hardwood storage. Hardwood will normally be run on the No. 3 brownstock wash line.

A new 600-ton No. 3 HD chest will be installed for softwood. The No. 3 HD chest will be located adjacent to, and north of, the No. 2 HD chest. This will require relocation of the seal water cooling tower for the paper mill vacuum pumps. To facilitate the move, a new two-cell cooling tower will be erected north of the existing cooling tower along with the relocation of the water pumps to this site.

2.1.2 No. 3 Bleach Plant

The proposed No. 3 Bleach Plant will be an ECF three-stage D_{100} (E_{OP})D pressure washing type system. The D_{100} (E_{OP})D bleaching process represents: First stage chlorine dioxide addition (D), second stage caustic extraction with oxygen and hydrogen peroxide addition (E_{OP}), and third stage chlorine dioxide addition (D).

The first bleaching stage will use chlorine dioxide, with sulfuric acid as necessary, to adjust the pulp pH. Caustic, hydrogen peroxide, and oxygen will be used in the second bleaching stage. The third stage will use ClO_2, with caustic or acid added as necessary to adjust the pulp pH.

The No. 3 Bleach Plant vent piping will tie into the existing bleach plant scrubber system. The flow of vent vapors will displace the flow from the No. 1 Bleach Plant, which will be permanently shut down. The scrubber will use sodium hydrogen sulfide (NaHS) and sodium hydroxide (NaOH) to control chlorine and chlorine dioxide emissions.

A flow diagram of the proposed ECF bleach plant operation is shown in Attachment GP-EU1-L1.

2.2 AIR EMISSIONS

Pollutants potentially emitted from the existing bleach plant include chlorine, ClO_2, methanol, chloroform, and carbon monoxide (CO). In addition, the National Council of the Paper Industry for Air and Stream Improvement, Incorporated (NCASI) has published study data documenting hazardous air pollutant (HAP) and volatile organic compound (VOC) emissions from select pulp mills similar to G-P's Palatka mill. These pollutants may emanate from vents in the No. 3 Bleach Plant, and will be sent to the existing bleach plant alkaline wet scrubber. ClO_2 is not a HAP, however, emissions of this pollutant are estimated because it is regulated under the Federal 112(r) rules governing risk management. Potential pollutant emissions estimates that follow are based on the available manufacturer's data for the existing bleach plant alkaline scrubber and emissions data presented in NCASI Technical Bulletin Nos. 679, 701, and 760.

2.2.1 Current Air Emissions

Current actual emission estimates from the bleach plants are presented in Table 2-1 for VOC and HAP emissions and Attachment 2-1 for CO emissions. Details of the basis for the actual emission estimates are presented in the following sections.

VOC and HAP Emissions

Actual VOC and HAP emissions from the existing Nos. 1 and 2 Bleach Plants are based on information provided in NCASI's Technical Bulletin No. 701 (TB 701), "Compilation of 'Air Toxic' and Total Hydrocarbon Emissions Data for Sources at Chemical Wood Pulp Mills, October 1995". Table 3 of this document contains VOC and HAP emissions data collected from 52 bleach plants around the United States. The document states that the "best approach for using the emission data in this report is to select the emission source from the list of sources given that most closely represents the emission source of concern [*i.e.*, similar process and bleaching sequence]." Since the existing bleaching sequence is similar to a chlorine first stage, caustic extraction second stage, and chlorine dioxide third stage (CED) sequence, mill code BPIB from Table 3 was selected as the basis for actual VOC and HAP emissions estimates.

The only pollutant emission estimate that is not based on information in NCASI is chlorine. Chlorine emissions are based on information provided by the existing alkaline scrubber manufacturer, Caldwell-McKay. Based on the manufacturer's minimum guarantee of 99% for chlorine gas scrubber removal efficiency and the manufacturer's maximum outlet chlorine emission rate of 0.6 pounds-per hour (lb/hr), maximum chlorine emissions are expected to be approximately 2.6 tons per year (TPY). In addition, VOC and HAP emissions are based on a monthly average pulp production rate of 780 ADTBP, derived from the average of the most representative 2-year production period (1995-1996) during the last five years, and the bleach plants' typical operating schedule. 1995 and 1996 were chosen to be the most representative 2-year production periods because the industries demand for G-P's final pulp product was the highest during this period over the last 5 years. The maximum estimated VOC and HAP emissions from the existing Nos. 1 and 2 Bleach Plants are 144.7 TPY and 143.8 TPY, respectively.

CO Emissions

CO emissions estimates for the existing Nos. 1 and 2 Bleach Plants were derived using slightly different approaches. No. 1 Bleach Plant typically processes hardwood and uses 0% ClO_2 substitution. On the

other hand, Bleach Plant No. 2 typically processes softwood using 15% to 20% ClO_2 substitution. CO emissions estimates for both plants were based on data presented in the recent NCASI document, Technical Bulletin No. 760 (TB 760) "Carbon Monoxide Emissions from Oxygen Delignification and Chlorine Dioxide Bleaching of Wood Pulp, July 1998".

TB 760 postulates that when bleaching with 0% ClO_2 substitution, CO emissions are very minor because CO is primarily formed when precursors from chlorine bleaching react with ClO_2. The data in TB 760 appears to support this theory. Therefore, since actual CO emissions estimates are being made in order to determine preconstruction review applicability, it was assumed that Bleach Plant No. 1 does not emit CO.

Bleach Plant No. 2 does, however, bleach with a minimal quantity of ClO_2 substitution. Actual CO emissions from Bleach Plant No. 2 were based on data for a mill that was similar in design and bleaching sequence to G-P's No. 2 Bleach Plant at 20% ClO_2 substitution. Using the total average pulp processed from the most representative 2-year production period (1995-1996), the estimated actual annual CO emissions were 48 TPY. The basis and calculations for the estimate are presented in Attachment 2-1.

2.2.2 Future Maximum Air Emissions

Potential future emission estimates from the proposed ECF No. 3 Bleach Plant are presented in Table 2-2 for VOC and HAP emissions and Attachment 2-2 for CO emissions. Details of the basis for the maximum emission estimates are presented in the following sections.

VOC and HAP Emission Estimates

VOC and HAP estimates were made from data presented in the following NCASI documents: Technical Bulletin No. 701, as mentioned previously, and Technical Bulletin No. 679 (TB 679) "Volatile Organic Emissions from Pulp and Paper Mill Sources Part V - Kraft Mill Bleach Plants, October 1994". Chlorine emission estimates were also based on design data provided by the alkaline scrubber manufacturer, Caldwell-McKay. The new bleach plant will utilize the existing bleach plant scrubber.

Future VOC and HAP emissions estimates are shown in Table 2-2. As indicated in TB 701, data were selected based on the Mill that most closely represented G-P's Palatka Mill in both design and bleaching sequence. Only two mills, mill codes BPF and BPME1, met this criteria. Where data for a specific

compound were not available from either of these mill codes, data from TB 679 was used. Annual emissions were based on the maximum future monthly average pulp production of 1,350 ADTBP per day. The maximum estimated future VOC and HAP emissions from the proposed ECF bleach plant are 80.7 tpy and 75.5 tpy, respectively.

Chlorine emissions were not based on data available in NCASI. Instead, data provided by the wet scrubber manufacturer was used. Based on the manufacturer's minimum guarantee of 99% for chlorine gas scrubber removal efficiency and a maximum chlorine inlet loading rate of 91.2 pounds per hour (lb/hr) at 1,350 ADTBP per day, maximum chlorine emissions are expected to be less than 4 tpy.

CO Emission Estimates

CO emissions estimates were based on data presented in the recent NCASI document TB 760 mentioned previously. As indicated in TB 760 conclusions, when "bleaching with 100% ClO_2, CO emissions appear to increase linearly with total percent ClO_2 applied on [the] pulp". However, "for hardwood pulps, bleach plant CO emissions appear relatively unaffected by the amount of ClO_2 applied above levels of about 1% ClO_2 on pulp". Therefore, for softwood, CO emissions were estimated using data for mills that were similar in design and bleaching sequence to G-P's Palatka Mill and using the estimated percent ClO_2 that will be applied to the pulp with the ECF bleaching process. The basis and calculations for the estimate are presented in Attachment 2-2.

Since no correlation appears to exist between CO emissions and percent ClO_2 applied on hardwood, an average CO emission factor was calculated from those mills listed in TB 760 that processed hardwood. Using the typical projected softwood and hardwood utilization rates of 65% and 35%, respectively and operating the ECF bleach plant at a maximum monthly average of 1,350 ADTBP per day, potential annual CO emissions were estimated to be 201 TPY.

Table 2-1. Estimated Actual VOC and HAP Emissions From the Existing Nos. 1 and 2 Bleach Plants, Georgia Pacific, Palatka Florida.

Pollutant Name	HAP?	VOC?	Avg Factor (lb/ADTBP) (a)	ADTBP/hr (b)	Emissions lb/hr	Emissions TPY	HAP Emissions TPY	VOC Emissions TPY
Acetaldehyde	YES	YES	9.50E-03	32.5	0.31	1.35	1.35	1.35
Acetophenone	YES	YES	ND	--	--	--	--	--
Acrolien	YES	YES	ND	--	--	--	--	--
Benzaldehyde	NO	YES	1.10E-03	32.5	0.04	0.16	--	0.16
Benzene	YES	YES	ND	--	--	--	--	--
Carbon Tetrachloride	YES	NO	ND	--	--	--	--	--
Chlorine (c)	YES	NO	--	--	0.60	2.63	2.63	--
Chlorine Dioxide (c)	NO	NO	--	--	1.20	5.26	--	--
Chlorobenzene	YES	YES	ND	--	--	--	--	--
o-Cresol	YES	YES	ND	--	--	--	--	--
Crotonaldehyde	NO	YES	ND	--	--	--	--	--
Chloroform	YES	YES	3.80E-01	32.5	12.35	54.09	54.09	54.09
Cumene	YES	YES	ND	--	--	--	--	--
Dimethyl Disulfide	NO	YES	ND	--	--	--	--	--
Dimethyl Sulfide	NO	YES	8.70E-03	32.5	0.28	1.24	--	1.24
Ethanol	NO	YES	1.50E-02	32.5	0.49	2.14	--	2.14
Ethyl Benzene	YES	YES	ND	--	--	--	--	--
Formaldehyde	YES	YES	ND	--	--	--	--	--
n-Hexane	YES	YES	ND	--	--	--	--	--
Isopropanol	NO	YES	ND	--	--	--	--	--
Methanol	YES	YES	6.00E-01	32.5	19.50	85.41	85.41	85.41
Methyl Ethyl Ketone	YES	YES	ND	--	--	--	--	--
Methyl Isobutyl Ketone	YES	YES	ND	--	--	--	--	--
Methyl Mercaptan	NO	YES	ND	--	--	--	--	--
Methylene Chloride	YES	YES	ND	--	--	--	--	--
Phenol	YES	YES	ND	--	--	--	--	--
Propionaldehyde	YES	YES	2.50E-03	32.5	0.08	0.36	0.36	0.36
Terpines	NO	YES	ND	--	--	--	--	--
Toluene	YES	YES	ND	--	--	--	--	--
1,1,1-Trichloroethane (Methyl Chloroform)	YES	YES	ND	--	--	--	--	--
1,1,2-Trichloroethane	YES	YES	ND	--	--	--	--	--
Trichloroethylene	YES	YES	ND	--	--	--	--	--
M&P-Xylene	YES	YES	ND	--	--	--	--	--
O-Xylene	YES	YES	ND	--	--	--	--	--
						Total =	143.84	144.74

ND = Non Detectable
ADTBP = Air Dried Tons of Bleached Pulp
lb/hr = pounds per hour
TPY = tons per year

(a) All emission factors (except chlorine and chlorine dioxide) are based on data in NCASI Technical Bulletin No. 701: Compilation of Air Toxic and Total Hydrocarbon Emissions Data for Sources at Chemical Wood Pulp Mills. Mill Code BPIB is most representative of the existing CED bleach plant at Georgia Pacific's Palatka mill. Non-detectable limits not used.
(b) Based on a monthly average production rate of 780 ADTBP per day divided by 24 hours per day operation.
(c) Based on design information provided by scrubber manufacturer. Emissions based on 780 ADTBP per day, 60 lb/hr uncontrolled chlorine and 120 lb/hr uncontrolled chlorine dioxide, and 99% scrubber removal efficiency.

Attachment 2-1. Potential CO Emissions Estimates from the Existing Bleach Plant.

No. 1 Bleach Plant bleaches pulp using 0% ClO2 substitution.
No. 2 Bleach Plant bleaches pulp using between 15% and 20% ClO2 substitution.

A. No. 1 Bleach Plant

Based on NCASI TB 760, "At 0% [ClO2] substitution, most of the CO was formed in the D1 stage with only small quantities formed in the C, E1, and D2 stages...lower amounts of CO were generated in the D1 stage."

Therefore, for PSD purposes and to be conservative, it was assumed that no CO emissions are produced when bleaching in No. 1 Bleach Plant with 0% ClO2 substitution.

B. No. 2 Bleach Plant

Based on NCASI, Estimated CO Emissions from CEDED Bleaching as follows:

CO Emissions From Softwood Processing

Mill Code	CO lbs/ODTUP	CO lbs/ADTUP	CO lbs/ADTBP
AA	0.565	0.51	0.55

CO emissions for 20% ClO2 substitution based on average between 10 and 30 % ClO2 Substitution.

Conversion Factors:
lb/ODTUP X 0.90 = lb/ADTUP
For softwood lb/ADTUP = 0.92 X lb/ADTBP

Source: NCASI Technical Bulletin 760. Mill Code AA for Softwood.

C. Total Estimated Annual CO Emissions from Proposed Existing Bleach Plant:

No. 1 Bleach Plant typically processes hardwood and
No. 2 Bleach Plant typically processes softwood.

Maximum pulp production rate based on average of most representative 2-year production period (1995-1996) in the last 5-years. Max air dried bleached pulp production = 268,279 TPY ADTBP.

Based on a processing rate for softwood of 65% and 35% for hardwood:

SW = 65% X 268,279 TPY = 174,381 TPY
HW = 35% X 268,279 TPY = 93,898 TPY

TOTAL CO emissions = [(93,898 TPY X 0 lb/ADTBP) + (174,381 TPY X 0.55 lb/ADTBP)]/2000 lb/Ton
= 48 TPY CO

Table 2-2. Estimated HAP and VOC Emissions From Proposed No. 3 Bleach Plant, Georgia Pacific, Palatka Florida.

Pollutant Name	HAP?	VOC?	Avg Factor (lb/ADTBP) (a)	Maximum ADTBP/hr (b)	Average ADTBP/hr (c)	Emissions		HAP Emissions		VOC Emissions	
						lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
Acetaldehyde	YES	YES	ND	--	--	--	--	--	--	--	--
Benzene	YES	YES	1.80E-04	70.9	54.2	0.01	0.04	0.01	0.04	0.01	0.04
Carbon Tetrachloride	YES	NO	ND	--	--	--	--	--	--	--	--
Chlorine (d)	YES	NO	--	--	--	0.91	3.99	0.91	3.99	--	--
Chlorine Dioxide (d)	NO	NO	--	--	--	2.14	9.38	--	--	--	--
Chlorobenzene	YES	YES	2.10E-04	70.9	54.2	0.01	0.05	0.01	0.05	0.01	0.05
Chloroform (e)	YES	YES	8.19E-03	70.9	54.2	0.58	1.94	0.58	1.94	0.58	1.94
1,2-Dichloroethane (Ethylene Dichloride)	YES	YES	ND	--	--	--	--	--	--	--	--
Dimethyl Sulfide	NO	YES	ND	--	--	--	--	--	--	--	--
Formaldehyde (f)	YES	YES	ND	--	--	--	--	--	--	--	--
Methanol	YES	YES	2.90E-01	70.9	54.2	20.57	68.81	20.57	68.81	20.57	68.81
Methyl Ethyl Ketone	YES	YES	6.70E-04	70.9	54.2	0.05	0.16	0.05	0.16	0.05	0.16
Methyl Isobutyl Ketone	YES	YES	4.50E-04	70.9	54.2	0.03	0.11	0.03	0.11	0.03	0.11
Methyl Mercaptan	NO	YES	3.80E-02	70.9	54.2	2.69	9.02	--	--	2.69	9.02
Methylene Chloride	YES	YES	ND	--	--	--	--	--	--	--	--
Alpha-Pinene	NO	YES	4.70E-04	70.9	54.2	0.03	0.11	--	--	0.03	0.11
Beta-Pinene	NO	YES	2.20E-04	70.9	54.2	0.02	0.05	--	--	0.02	0.05
Styrene	YES	YES	3.50E-04	70.9	54.2	0.02	0.08	0.02	0.08	0.02	0.08
Tetrachloroethyene	YES	YES	ND	--	--	--	--	--	--	--	--
Toluene	YES	YES	1.70E-04	70.9	54.2	0.01	0.04	0.01	0.04	0.01	0.04
1,2,4-Trichlorobenzene	YES	YES	5.00E-04	70.9	54.2	0.04	0.12	0.04	0.12	0.04	0.12
1,1,1-Trichloroethane (Methyl Chloroform)	YES	YES	ND	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	YES	YES	ND	--	--	--	--	--	--	--	--
Trichloroethylene	YES	YES	ND	--	--	--	--	--	--	--	--
M&P-Xylene	YES	YES	4.80E-04	70.9	54.2	0.03	0.11	0.03	0.11	0.03	0.11
O-Xylene	YES	YES	2.70E-04	70.9	54.2	0.02	0.06	0.02	0.06	0.02	0.06
							Total =	22.29	75.52	24.12	80.71

ND = Non Detectable
ADTBP = Air Dried Tons of Bleached Pulp
ODTBP = Oven Dried Tons of Bleached Pulp
lb/hr = pounds per hour
TPY = tons per year

(a) All emission factors (except chlorine, chlorine dioxide, chloroform and formaldehdye) based on data in NCASI Technical Bulletin No. 701: Compilation of Air Toxic and Total Hydrocarbon Emissions Data for Sources at Chemical Wood Pulp Mills. Mill Codes BPF and BPME1 are most representative of the proposed ECF bleach plant at Georgia Pacific's Palatka mill. If values were given for both mill codes, then the values were averaged. Non-detectable limits not used.

(b) Based on a maximum production rate of 1,702 ADTBP (short-term operation) per day divided by 24 hours per day operation. This value is used to calculate short-term emissions (lb/hr).

(c) Based on a maximum monthly average production rate of 1,350 ADTBP (long-term operation) per day divided by 24 hours per day operation. This value is used to calculate long-term emissions (TPY).

(d) Based on design information provided by scrubber manufacturer. Emissions based on 1,350 ADTBP per day, 91.2 lb/hr uncontrolled chlorine and 214.25 lb/hr uncontrolled chlorine dioxide, and 99% scrubber removal efficiency.

(e) Based on data in NCASI Technical Bulletin No. 679: Volatile Organic Emissions From Pulp and Paper Mill Sources, Part V - Kraft Mill Bleach Plants. Mill Code E "c" Line is most representative of the proposed ECF bleach plant at Georgia Pacific's Palatka mill. Chloroform emission factor converted to lb/ADTBP using the following formula: 9.1 e-3 lb/ODTBP * (0.90 ODTBP/ADTBP) = 8.19 e-3 lb/ADTBP.

(f) Based on data in NCASI Technical Bulletin No. 701: Compilation of Air Toxic and Total Hydrocarbon Emissions Data for Sources at Chemical Wood Pulp Mills. Formaldehyde data based on Mill Code BPMN.

Attachment 2-2. Potential CO Emissions Estimates Based on ECF Bleach Plant Design Data.

A. Derivation of CO Emission Factor for Softwood Bleaching

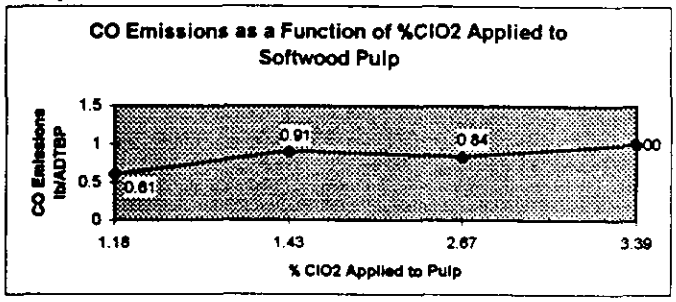
CO Emissions From Softwood Processing

% ClO2 Applied	CO lbs/ODTUP	CO lbs/ADTUP	CO lbs/ADTBP
1.18	0.62	0.56	0.61
1.43	0.93	0.84	0.91
2.67	0.85	0.77	0.84
3.39	1.02	0.92	1.00

Nomenclature:
ODTUP = Oven Dried Tons of Unbleached Pulp
ADTUP = Air Dried Tons of Unbleached Pulp
ADTBP = Air Dried Tons of Bleached Pulp

Conversion Factors for a Given Amount of CO:
lb/ODTUP X 0.90 = lb/ADTUP
For softwood lb/ADTUP = 0.92 X lb/ADTBP

Example Here



Source: NCASI Technical Bulletin 760. Mill Codes B, C, G for Softwood.

Short-Term (Peak) CO Emission Factor (Softwood)

Proposed ECF bleach plant peak ClO2 to be applied to the pulp is 3.57%.

Linear Interpolation of CO Emissions at 3.57% ClO2 Applied to Pulp from NCASI TB760 Mills B, C, and G:

Slope of line = CO / %ClO2 = (1.0-0.61) / (3.39-1.18) = 0.176
Given y=mx+b
y= (0.176 X(3.57-1.18)) + 0.61
y= 1.03 lb CO / ADTBP

Long-Term (Average) CO Emission Factor (Softwood)

Proposed ECF bleach plant average ClO2 to be applied to the pulp is 2.89%.

Linear Interpolation of CO Emissions at 2.89% ClO2 Applied to Pulp from NCASI TB760 Mills B, C, and G:

Slope of line = CO / %ClO2 = (1.0-0.61) / (3.39-1.18) = 0.176
Given y=mx+b
y= (0.176X(2.89-1.18)) + 0.61
y= 0.91 lb CO / ADTBP

B. Derivation of CO Emission Factor for Hardwood Bleaching

CO Emissions From Hardwood Processing

Mill Code	CO lbs/ODTUP	CO lbs/ADTUP	CO lbs/ADTBP
B	0.65	0.59	0.63
C	0.88	0.79	0.84
SA12	0.54	0.49	0.52
SE2	0.64	0.58	0.62
SH2	0.63	0.57	0.61

Average	0.67	0.60	0.64

Conversion Factors:
lb/ODTUP X 0.90 = lb/ADTUP
For Hardwood lb/ADTUP = 0.94 X lb/ADTBP

Source: NCASI Technical Bulletin 760.
Mills B, C, SA12, SE2, SH2 process hardwood with 100% ClO2 substitution.

C. Potential Hourly CO Emissions from Proposed ECF Bleach Plant (For Modeling Purposes):

Based on an estimated maximum pulp production rate of 1,702 ADTBP per day and assuming a processing rate for softwood of 65% and 35% for hardwood:

SW = 65% X 1,702 ADTBP/day = 1,106.3 ADTBP/day
HW = 35% X 1,702 ADTBP/day = 595.7 ADTBP/day

TOTAL CO emissions = [(595.7 ADTBP/day X 0.64 lb/ADTBP) + (1106.3 ADTBP/day X 1.03 lb/ADTBP)]/24 hr/day
= 63.4 lb/hr CO

D. Total Potential Annual CO Emissions from Proposed ECF Bleach Plant:

Based on an estimated monthly average pulp production rate of 1,350 ADTBP per day and assuming a processing rate for softwood of 65% and 35% for hardwood:

SW = 65% 1,350 ADTBP/day = 877.5 ADTBP/day
HW = 35% 1,350 ADTBP/day = 472.5 ADTBP/day

TOTAL CO emissions = [(472.5 ADTBP/day X 0.64 lb/ADTBP) + (877.5 ADTBP/day X 0.91 lb/ADTBP)] X 365 days/yr X ton/2000 lbs
= 201 TPY CO

3.0 AIR QUALITY REVIEW REQUIREMENTS AND APPLICABILITY

The following discussion pertains to federal and state New Source Review requirements and their applicability to Georgia-Pacific's proposed project. These requirements must be satisfied before construction can begin on the proposed project.

3.1 NATIONAL AND STATE AAQS

The existing applicable national and Florida ambient air quality standards (AAQS) are presented in Table 3-1. National primary AAQS were promulgated to protect the public health, and national secondary AAQS were promulgated to protect the public welfare from any known or anticipated adverse effects associated with the presence of pollutants in the ambient air. Areas of the country in violation of AAQS are designated as non-attainment areas, and new sources to be located in or near these areas may be subject to more stringent air permitting requirements.

3.2 PSD REQUIREMENTS

3.2.1 General Requirements

Under federal and State of Florida PSD review requirements, all major new or modified sources of air pollutants regulated under the CAA must be reviewed and a pre-construction permit issued. Florida's State Implementation Plan (SIP), which contains PSD regulations, has been approved by the U.S. Environmental Protection Agency (EPA); therefore, PSD approval authority has been granted to the Florida Department of Environmental Protection (FDEP).

A "major facility" is defined under Florida PSD regulations as any one of 28 named source categories that has the potential to emit 100 tpy or more of any pollutant regulated under the CAA, or any other stationary facility that has the potential to emit 250 TPY or more of any pollutant regulated under the CAA. "Potential to emit" means the capability, at maximum design capacity, to emit a pollutant, considering the application of control equipment and any other federally enforceable limitations on the emission units' capacity.

A "major modification" is defined under PSD regulations as a change at an existing major stationary facility that increases emissions by greater than significant amounts. PSD significant emission rates are shown in Table 3-2.

PSD review is used to determine whether significant air quality deterioration will result from the new or modified facility. Major new facilities and major modifications are required to undergo the following analyses related to PSD for each pollutant emitted in significant amounts:

1. Source impact analysis,
2. Control technology review,
3. Air quality analysis (monitoring),
4. Source information / good engineering practice stack height (GEP) , and
5. Additional impact analyses.

In addition to these analyses, if the proposed new source or modification is located in a non-attainment area for any pollutant, the source may be subject to non-attainment New Source Review requirements.

Discussions concerning each of these requirements are presented in the following sections.

3.2.2 Source Impact Analysis

The 1977 CAA amendments address the Prevention of Significant Deterioration (PSD) of air quality. The law specifies that certain increases in air quality concentrations above the baseline concentration level of sulfur dioxide SO_2 and total suspended particulate matter [PM(TSP)] would constitute significant deterioration. The magnitude of the allowable increment depends on the classification of the area in which a new source (or modification) will be located or will have an impact. Congress also directed EPA to evaluate PSD increments for other criteria pollutants and, if appropriate, promulgate PSD increments for such pollutants.

Three classifications were designated based on criteria established in the CAA amendments. Certain types of areas (international parks, national wilderness areas, memorial parks larger than 5,000 acres, and national parks larger than 6,000 acres) were designated as Class I areas. All other areas of the country were designated as Class II. PSD increments for Class III areas were defined, but no areas were

designated as Class III. However, Congress made provisions in the law to allow the redesignation of Class II areas to Class III areas. PSD increments for Class III areas are higher than those for Class II areas.

In 1978, EPA promulgated PSD regulations related to the requirements for classifications, increments, and area designations as set forth by Congress. PSD increments were initially set for only SO_2 and PM(TSP). However, in 1988, EPA promulgated final PSD regulations for NO_X and established PSD increments for nitrogen dioxide (NO_2). On June 3, 1993, EPA promulgated PSD increments for particulate matter with an aerodynamic diameter less than or equal to 10 micrometers (PM_{10}). The PM_{10} increments replaced the PM(TSP) increments.

The current federal PSD increments are shown in Table 3-1. As shown, Class I increments are the most stringent, allowing the smallest amount of air quality deterioration, while the Class III increments allow the greatest amount of deterioration. FDEP has adopted the EPA class designations and allowable PSD increments for PM_{10}, SO_2, and NO_2.

A source impact analysis must be performed for a proposed major facility or major modification subject to PSD for each pollutant for which the increase in emissions exceeds the significant emission rates shown in Table 3-2 [Rule 62-212.400(5)(d) F.A.C.]. The PSD regulations specifically provide for the use of atmospheric dispersion models in performing impact analyses, estimating baseline and future air quality levels, and determining compliance with AAQS and allowable PSD increments. Designated EPA models normally must be used in performing the impact analysis. Specific applications for other than EPA-approved models require EPA's consultation and prior approval.

Guidance for the use and application of dispersion models is presented in the EPA publication Guideline on Air Quality Models (EPA, 1987b). The source impact analysis for criteria pollutants can be limited to the new or modified facility if the net increase in impacts as a result of the new or modified source is below the modeling significance levels, as presented in Table 3-1.

Various lengths of record for meteorological data can be used for impact analyses. A 5-year period can be used with corresponding evaluation of highest, second-highest short-term concentrations for comparison to AAQS or PSD increments. The term "highest, second-highest" (HSH) refers to the highest of the second-highest concentrations at all receptors (*i.e.,* the highest concentration at each receptor is discarded). The second-highest concentration is significant because short-term AAQS specify that the standard should not be exceeded at any location more than once a year. If less than 5 years of meteorological data are used in the modeling analysis, the highest concentration at each receptor must normally be used for comparison to air quality standards.

The term "baseline concentration" evolves from federal and State PSD regulations and refers to a fictitious concentration level corresponding to a specified baseline date and certain additional baseline sources. In reference to the baseline concentration, the baseline date actually includes three different dates:

1. The major source baseline date, which is January 6, 1975, in the cases of SO_2 and PM_{10}, and February 8, 1988, in the case of NO_2;
2. The minor source baseline date, which is the earliest date after the trigger date on which a major stationary facility or major modification subject to PSD regulations submits a complete PSD application; and
3. The trigger date, which is August 7, 1977, for SO_2 and PM_{10}, and February 8, 1988, for NO_2.

By definition in the PSD regulations, baseline concentration means the ambient concentration level that exists in the baseline area at the time of the applicable baseline date. A baseline concentration is determined for each pollutant for which a baseline date is established and includes:

1. The actual emissions representative of facilities in existence on the applicable minor source baseline date, and
2. The allowable emissions of major stationary facilities that began construction before January 6, 1975, for SO_2 and PM_{10} sources, or February 8, 1988, for NO_x sources, but which were not in operation by the applicable baseline date.

The following emissions are not included in the baseline concentration and, therefore, affect PSD increment consumption:

1. Actual emissions representative of a major stationary facility on which construction began after January 6, 1975, for SO_2 and PM_{10} sources, and after February 8, 1988, for NO_x sources; and
2. Actual emission increases and decreases at any stationary facility occurring after the major source baseline date that result from a physical change or change in the method of operation of the facility.

The minor source baseline date for SO_2 and PM_{10} has been set as December 27, 1977, for the entire State of Florida [Rule 62-212.400, F.A.C.). The minor source baseline date for NO_2 has been set as March 28, 1988, for all of Florida.

3.2.3 Control Technology Review

The control technology review requirements of the federal and state PSD regulations require that all applicable federal and state emission-limiting standards be met, and that BACT be applied to control emissions from the source. The BACT requirements are applicable to all regulated pollutants for which the increase in emissions from the facility or modification exceeds the significant emission rate (see Table 3-2).

BACT is defined in 40 CFR 52.21 (b)(12), as:

> An emissions limitation (including a visible emission standard) based on the maximum degree of reduction of each pollutant subject to regulation under the Act which would be emitted by any proposed major stationary source or major modification which the Administrator, on a case-by-case basis, taking into account energy, environmental, and economic impacts, and other costs, determines is achievable through application of production processes and available methods, systems, and techniques (including fuel cleaning or treatment or innovative fuel combustion techniques) for control of such pollutant. In no event shall application of best available control technology result in emissions of any pollutant which would exceed the emissions allowed by any applicable standard under 40 CFR Parts 60 and 61. If the Administrator determines that technological or economic limitations on the application of measurement methodology to a particular part of a source or facility would make the imposition of an emission standard infeasible, a design, equipment, work practice, operational standard or combination thereof, may be prescribed instead to satisfy the requirement for the application of BACT. Such standard shall, to the degree possible, set forth the emissions reductions achievable by implementation of such design, equipment, work practice, or operation and shall provide for compliance by means which achieve equivalent results.

BACT was promulgated within the framework of the PSD requirements in the 1977 amendments to the CAA [Public Law 95-95; Part C, Section 165(a)(4)]. The primary purpose of BACT is to optimize consumption of PSD air quality increments and thereby enlarge the potential for future economic growth without significantly degrading air quality (EPA, 1978; 1980). Guidelines for the evaluation of BACT can be found in EPA's *Guidelines for Determining Best Available Control Technology (BACT)* (EPA, 1978) and in the *PSD Workshop Manual* (EPA, 1980). These guidelines were published by EPA to provide a consistent approach to BACT and to ensure that the impacts of alternative emission control systems are measured by the same set of parameters. In addition, through implementation of these guidelines, BACT in one area may not be identical to BACT in another area. According to EPA (1980), "BACT analyses for the same types of emissions unit and the same pollutants in different locations or situations may determine that different control strategies should be applied to the different sites, depending on site-specific factors. Therefore, BACT analyses must be conducted on a case-by-case basis."

The BACT requirements are intended to ensure that the control systems incorporated in the design of a proposed facility reflect the latest in control technologies used in a particular industry and take into consideration existing and future air quality in the vicinity of the proposed facility. BACT must, as a minimum, demonstrate compliance with New Source Performance Standards (NSPS) for a source (if applicable). An evaluation of the air pollution control techniques and systems, including a cost-benefit analysis of alternative control technologies capable of achieving a higher degree of emission reduction than the proposed control technology, is required. The cost-benefit analysis requires the documentation of the materials, energy, and economic penalties associated with the proposed and alternative control systems, as well as the environmental benefits derived from these systems. A decision on BACT is to be based on sound judgment, balancing environmental benefits with energy, economic, and other impacts (EPA, 1978).

Historically, a "bottom-up" approach consistent with the BACT Guidelines and PSD Workshop Manual has been used. With this approach, an initial control level, which is usually NSPS, is evaluated against successively more stringent controls until a BACT level is selected. However, EPA developed a concern that the bottom-up approach was not providing the level of BACT decisions originally intended. As a result, in December 1987, the EPA Assistant Administrator for Air and Radiation mandated changes in the implementation of the PSD program, including the adoption of a new "top-down" approach to BACT decision making.

The top-down BACT approach essentially starts with the most stringent (or top) technology and emissions limit that have been applied elsewhere to the same or a similar source category. The applicant must next provide a basis for rejecting this technology in favor of the next most stringent technology or propose to use it. Rejection of control alternatives may be based on technical or economic infeasibility. Such decisions are made on the basis of physical differences (*e.g.*, fuel type), locational differences (*e.g.*, availability of water), or significant differences that may exist in the environmental, economic, or energy impacts. The differences between the proposed facility and the facility on which the control technique was applied previously must be justified. EPA has issued a draft guidance document on the top-down approach entitled *Top-Down Best Available Control Technology Guidance Document* (EPA, 1990).

3.2.4 Air Quality Monitoring Requirements

In accordance with requirements of 40 CFR 52.21(m) and FDEP Rule 62-212.400(5)(f), F.A.C, any application for a PSD permit must contain an analysis of continuous ambient air quality data in the area affected by the proposed major stationary facility or major modification. For a new major facility, the affected pollutants are those that the facility potentially would emit in significant amounts. For a major modification, the pollutants are those for which the net emissions increase exceeds the significant emission rate (see Table 3-2).

Ambient air monitoring for a period of up to 1 year is generally appropriate to satisfy the PSD monitoring requirements. A minimum of 4 months of data is required. Existing data from the vicinity of the proposed source may be used if the data meet certain quality assurance requirements; otherwise, additional data may need to be gathered. Guidance in designing a PSD monitoring network is provided in EPA's Ambient Monitoring Guidelines for Prevention of Significant Deterioration (EPA, 1987a).

FDEP may exempt a proposed major stationary facility or major modification from the monitoring requirements with respect to a particular pollutant if the emissions increase of the pollutant from the facility or modification would cause, in any area, air quality impacts less than the*de minimis* monitoring levels presented in Table 3-2 [FDEP Rule 62-212.400, F.A.C.].

3.2.5 Source Information / Good Engineering Practice Stack Height

The 1977 CAA amendments require that the degree of emission limitation required for control of any pollutant not be affected by a stack height that exceeds GEP or any other dispersion technique. On July 8, 1985, EPA promulgated final stack height regulations (EPA, 1985). Identical regulations have been adopted by FDEP [Rule 62-210.550, F.A.C.]. GEP stack height is defined as the highest of:

1. 65 meters (m); or
2. A height established by applying the formula:

$$Hg = H + 1.5L$$

where: Hg = GEP stack height,

H = Height of the structure or nearby structure, and

L = Lesser dimension (height or projected width) of nearby structure(s); or

3. A height demonstrated by a fluid model or field study.

"Nearby" is defined as a distance up to five times the lesser of the height or projected width dimensions of a structure or terrain feature but not greater than 0.8 kilometer (km). Although GEP stack height regulations require that the stack height used in modeling for determining compliance with AAQS and PSD increments not exceed the GEP stack height, the actual stack height may be greater.

3.2.6 Additional Impact Analyses

In addition to air quality impact analyses, federal and State of Florida PSD regulations require analysis of the impairment to visibility and the impacts on soils and vegetation that would occur as a result of the proposed or modified facility [40 CFR 52.21; FDEP Rule 62-212.400(5)(e), F.A.C.]. These analyses are to be conducted primarily for PSD Class I areas. Impacts from general commercial, residential, industrial, and other growth associated with the facility or modification also must be addressed. These analyses are required for each pollutant emitted in significant amounts (Table 3-2).

3.3 NON-ATTAINMENT RULES

Based on the current non-attainment provisions (FDEP Rule 62-212.500, F.A.C.), all major new facilities and modifications to existing major facilities located in a non-attainment area must undergo non-attainment review if the proposed pieces of equipment have the potential to emit 100 TPY or more of the non-attainment pollutant, or if the modification results in a significant net emission increase of the non-attainment pollutant.

For major facilities or major modifications that locate in an attainment or unclassifiable area, the non-attainment review procedures 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 that is outside the boundary of a non-attainment area but within the locus of all points that are 50 km outside the boundary of the non-attainment area. Based on FDEP Rule 62-212.500(2)(a), F.A.C., all VOC facilities or emission unitsthat are located within an area of influence are exempt from the provisions of New Source Review for non-attainment areas. Facilities or emissions units that emit other non-attainment pollutants and are located within the area of influence are subject to non-attainment review unless the maximum allowable emissions do not have a significant impact within the non-attainment area.

3.4 SOURCE APPLICABILITY

3.4.1 PSD Review

Pollutant Applicability

The G-P Kraft pulp mill is located in Putnam County, which has been designated by EPA and FDEP as an attainment area for all criteria pollutants. Putnam County and surrounding counties are designated as PSD Class II areas for SO_2, PM_{10}, and NO_2.

The G-P facility is considered to be an existing major stationary facility because potential emissions of certain regulated pollutants exceed 100 TPY. As a result, PSD review is required for the proposed modification for each pollutant for which the net increase in emissions exceeds the PSD significant emission rates presented in Table 3-2 (*i.e.*, a major modification).

Historically, FDEP and EPA have required that current actual emissions be compared with future maximum emissions (not future actual emissions) to determine PSD source applicability. This analysis is

also to consider any contemporaneous emission changes at the facility that occurred within the past 5 years or since the last PSD permit was issued for a particular pollutant. CO, VOC and Total Reduced Sulfur (TRS) are the only two PSD-regulated pollutants emitted by the proposed No.3 Bleach Plant. Current actual emissions are shown in Table 2-1 and Attachment 2-1. Future maximum emissions are shown in Table 2-2 and Attachment 2-2. There have been no contemporaneous emission changes at the facility, for these pollutants, since issuance of the last PSD permit for the facility in 1995. The PSD applicability analysis, based on this method, is presented in Table 3-3.

As shown in Table 3-3, the increase in CO emissions, based on comparing current actual emissions and future maximum emissions, will exceed the PSD significant emission rate. Therefore, FDEP/EPA may determine that the proposed project is subject to PSD review for CO. For purposes of minimizing the permit review time by FDEP, it will be assumed that the project is subject to PSD review for CO.

Ambient Monitoring

A comparison of the total CO impact due to the proposed project and the *de minimis* monitoring concentrations is presented in Table 3-4. This comparison is only presented for CO since it is the only pollutant that is subject to PSD review for the proposed project. The maximum future CO emissions were modeled instead of the net increase in emissions in order to be conservative. Since the future maximum impact of CO from the No.3 Bleach Plant is less than the *de minimis* monitoring concentration for G-P's proposed project, a PSD preconstruction ambient monitoring analysis is not required for CO.

GEP Stack Height Analysis

The GEP stack height regulations allow any stack to be at least 65 m [213 feet (ft)] high. All sources being modified at G-P are existing sources, with existing stacks. None of these sources exceeds GEP stack height based on the significant structures at the facility.

Best Available Control Technology

The federal PSD regulations [40 CFR 52.21(j)(3)] state that BACT is required for each pollutant for which the modification results in a net significant emissions increase. BACT must be applied to each emissions unit in which a net emissions increase in a PSD pollutant would occur as a result of a physical change or a change in the method of operation in the unit. As discussed in Section 2.0, the only

emissions units at G-P which is being physically changed or for which there will be a change in the method of operation is the new No. 3 Bleach Plant. No other systems are being physically modified or changed to accommodate the new source. As a result, BACT only applies to the No. 3 Bleach Plant. CO is the only PSD pollutant emitted by the bleach plant which must undergo BACT review.

3.4.2 Nonattainment Review

The G-P Mill is located in Putnam County, which has been designated as an attainment area for all pollutants. As a result, nonattainment review does not apply to the proposed project.

3.4.3 New Source Performance Standards

Federal New Source Performance Standards (NSPS) have been promulgated for Kraft Pulp Mills under 40 CFR 60, Subpart BB. The G-P Palatka Mill is classified as a Kraft pulp mill. However, the NSPS is only applicable to digester systems, multiple effect evaporators, condensate strippers, brown stock wasters, recovery boilers, smelt tanks, and lime kilns at the Mill. Since the proposed bleach plant is the only source being constructed, the NSPS is not applicable.

3.4.4 MACT Standards for the Pulp and Paper Industry

On April 15, 1998, National Emissions Standards for Hazardous Air Pollutants (NESHAPs) were established by the EPA for the pulp & paper industry (40 CFR 63, Subpart S). The NESHAPs, also referred to as the "Cluster Rule" because it comprehensively addresses air, water and solid waste discharges, sets MACT standards for air emissions from pulp and paper sources. The MACT standards for bleaching systems are codified in 40 CFR 63.445. The standards apply to all pulp and paper facilities that are major sources of HAPs.

The MACT standards apply to bleaching systems that use chlorine or chlorinated compounds. Since G-P's proposed new bleach plant will use 100 % chlorine dioxide substitution, and chlorine dioxide is a chlorinated compound, the MACT standards are applicable to G-P's proposed bleach plant. The standards must be complied with upon startup of the new bleach plant [40 CFR 63.440(c)(3)].

The bleaching system standards require that the equipment at each bleaching stage where chlorinated compounds are introduced be enclosed and vented to a closed-vent system and routed to a control device that meets one of the following (40 CFR 63.445):

1. Reduces total chlorinated HAPs by 99% or more;
2. Achieves an outlet concentration of 10 ppmv or less of total chlorinated HAPs; or
3. Achieves an outlet mass emission rate of total chlorinated HAPs of 0.002 lb/ton oven–dried pulp (ODP) or less.

G-P will meet this requirement by utilizing a wet caustic scrubber designed to achieve an overall minimum removal efficiency of 99% for chlorinated HAPs. The associated enclosures and closed-vent system must meet the requirements of 40 CFR 63.450. These requirements include maintaining negative pressure at each enclosure or hood opening, or, wherever a positive pressure component is utilized, it must be operated with no detectable leaks (*i.e.,* less than 500 ppmv above background).

Continuous monitoring system (CMS) requirements include measuring gas scrubber parameters. The parameters which must be monitored for gas scrubbers consist of pH of the gas scrubber liquid effluent, vent gas inlet flow rate, and scrubber liquid influent flow rate [40 CFR 63.453(c)]. During the initial performance tests of the system, scrubber parameter values, averaging time and monitoring frequency must be established, with approval from the Administrator [40 CFR 63.453(n)]. Periodic inspections of the closed-vent system are also required. Recordkeeping and reporting requirements are contained in 40 CFR 63.454 and 63.455, respectively, of the MACT Rule. G-P will comply with the provisions of the MACT rule upon start-up of the bleach plant.

3.4.5 State Of Florida Emission Standards

There are no State of Florida emission limiting standards applicable to the proposed project. FDEP Rule 62-296.320(2), F.A.C., provides general pollutant standards for objectionable odors from air pollutant emitting sources. The proposed bleach plant is subject to these requirements. The requirement is as follows: "No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor." G-P will comply with this regulation in regards to the bleach plant.

Table 3-1. National and State AAQS, Allowable PSD Increments, and Significance Levels

Pollutant	Averaging Time	AAQS ($\mu g/m^3$) National Primary Standard	AAQS ($\mu g/m^3$) National Secondary Standard	AAQS ($\mu g/m^3$) State of Florida	PSD Increments ($\mu g/m^3$) Class I	PSD Increments ($\mu g/m^3$) Class II	Significant Impact Levels ($\mu g/m^3$)
Particulate Matter (PM10)	Annual Arithmetic Mean	50	50	50	4	17	1
	24-Hour Maximum	150[b]	150[b]	150[a]	8	30	5
Sulfur Dioxide	Annual Arithmetic Mean	80	NA	60	2	20	1
	24-Hour Maximum	365[b]	NA	260[a]	5	91	5
	3-Hour Maximum	NA	1,300[b]	1,300[a]	25	512	25
Carbon Monoxide	8-Hour Maximum	10,000[b]	10,000[b]	10,000[a]	NA	NA	500
	1-Hour Maximum	40,000[b]	40,000[b]	40,000[a]	NA	NA	2,000
Nitrogen Dioxide	Annual Arithmetic Mean	100	100	100	2.5	25	1
Ozone	1-Hour Maximum[c]	235	235	235	NA	NA	NA
Lead	Calendar Quarter Arithmetic Mean	1.5	1.5	15	NA	NA	NA

Note:
AAQS = Ambient Air Quality Standards.
NA = Not applicable, i.e., no standard exists.
Particulate matter (PM10) = Particulate matter with aerodynamic diameter less than or equal to 10 micrometers.
PSD = Prevention of significant deterioration.
$\mu g/m^3$ = Micrograms per cubic meter.

[a]Maximum concentration not to be exceeded more than once per year.
[b]Achieved when the expected number of exceedances per year is less than 1.
[c]Achieved when the expected number of days per year with concentrations above the standard is less than 1.

Sources: 40 CFR 50.
40 CFR 52.21.
Rule 62-272, F.A.C.

Table 3-2. PSD Significant Emission Rates and *De Minimis* Monitoring Concentrations

Pollutant	Regulated Under	Significant Emission Rate (TPY)	*De Minimis* Monitoring Concentration ($\mu g/m^3$)
Sulfur Dioxide	NAAQS, NSPS	40	13, 24-hour
Particulate Matter (TSP)	NSPS	25	10, 24-hour
Particulate Matter (PM10)	NAAQS	15	10, 24-hour
Nitrogen Oxides	NAAQS, NSPS	40	14, annual
Carbon Monoxide	NAAQS, NSPS	100	575, 8-hour
Volatile Organic Compounds (Ozone)	NAAQS, NSPS	40	100 TPY[a]
Lead	NAAQS	0.6	0.1, 3-month
Sulfuric Acid Mist	NSPS	7	NM
Fluorides	NSPS	3	0.25, 24-hour
Total Reduced Sulfur	NSPS	10	—
Reduced Sulfur Compounds	NSPS	10	—
Hydrogen Sulfide	NSPS	10	0.2, 1-hour
Asbestos	NESHAP	0.007	NM
Beryllium	NESHAP	0.0004	0.001, 24-hour
Mercury	NESHAP	0.1	0.25, 24-hour
Vinyl Chloride	NESHAP	1	15, 24-hour

Note: Ambient monitoring requirements for any pollutant may be exempted if the impact of the increase in emissions is below *de minimis* monitoring concentrations.

NAAQS = National Ambient Air Quality Standards.
NESHAP = National Emission Standards for Hazardous Air Pollutants.
NM = No ambient measurement method.
NSPS = New Source Performance Standards.
PM10 = Particulate matter with aerodynamic diameter less than or equal to 10 micrometers.
PSD = prevention of significant deterioration.
TPY = tons per year.
TSP = total suspended particulate matter.
$\mu g/m^3$ = micrograms per cubic meter.

[a]No *de minimis* concentration; an increase in VOC emissions of 100 TPY or more will require monitoring analysis for ozone.

Source: Rule 62-212.400, F.A.C.

Table 3-3. Net Emissions Increase Associated with the Proposed Project, Georgia-Pacific Palatka Operations

Regulated Pollutant	Current Actual Emissions (TPY)	Future Maximum Emissions (TPY)	Net Increase In Emissions (TPY)	PSD Significant Emission Rate (TPY)	PSD Review Applies?
Particulate matter (TSP)	--	--	--	25	No
Particulate matter (PM10)	--	--	--	15	No
Sulfur dioxide	--	--	--	40	No
Nitrogen oxides	--	--	--	40	No
Carbon monoxide	48.0	201.0	153.0	100	Yes
Volatile organic compounds	144.7	80.7	-64.0	40	No
Sulfuric acid mist	--	--	--	7	No
Total reduced sulfur (a)	--	9.0	9.0	10	No
Lead	--	--	--	0.6	No
Mercury	--	--	--	0.1	No
Beryllium	--	--	--	0.0004	No
Fluorides	--	--	--	3	No
Asbestos	--	--	--	0.007	No
Vinyl Chloride	--	--	--	1	No

(a) Based on methyl mercaptan emissions, which are included in total reduced sulfur compound.

Table 3-4. Comparison of Maximum Future Impact of the No. 3 Bleach Plant to the *De Minimis* Monitoring Concentration

Pollutant	Impact Due to Future Proposed Project [a] ($\mu g/m^3$)	*De Minimis* Monitoring Concentration ($\mu g/m^3$)	Preconstruction Ambient Monitoring Analysis Required?
Carbon Monoxide	182, 8-hour	575, 8-hour	No

[a] Impact presented is for maximum CO emissions from No. 3 Bleach Plant.

Source: Golder Associates Inc., 1999.

4.0 AIR QUALITY MODELING APPROACH

4.1 GENERAL MODELING APPROACH

The general modeling approach follows EPA and FDEP modeling guidelines for determining compliance with AAQS and PSD increments. In general, when model predictions are used to determine compliance with AAQS and PSD increments, current policies stipulate that the highest annual average and highest, second-highest short-term (*i.e.*, 24 hours or less) concentrations be compared to the applicable standard when 5 years of meteorological data are used. The highest, second-highest concentration (HSH) is calculated for a receptor field by:

1. Eliminating the highest concentration predicted at each receptor,
2. Identifying the second-highest concentration at each receptor, and
3. Selecting the highest concentration among these second-highest concentrations.

This approach is consistent with the air quality standards, which permit a short-term average concentration to be exceeded once per year at each receptor.

To develop the maximum short-term concentrations for the G-P facility, the general modeling approach is to first perform a screening analysis with a coarse receptor grid spacing to determine the critical impact locations. Concentrations for the screening analysis are predicted using a 5-year meteorological data record. After a final list of HSH short-term concentrations is developed from the screening analysis, a refined analysis is performed if the receptor spacing at the screening receptor of maximum impact is greater than 100 meters. The refined analyses uses a denser receptor grid centered on the receptor at which the HSH concentration produced from the screening phase. The air dispersion model is then executed for the entire year(s) during which both the highest and second-highest concentrations were predicted to occur at that receptor, based on the screening analysis results. More detailed descriptions of the emission inventory and receptor grids used in the screening and refined phases of the analysis are presented in the following sections.

4.2 MODEL SELECTION

The selection of an appropriate air dispersion model was based on the model's ability to simulate impacts in areas surrounding the G-P site. Within 50 km of the site, the terrain can be described as simple, (*i.e.*, flat to gently rolling). As defined in EPA modeling guidelines, simple terrain is considered to be an area where the terrain features are all lower in elevation than the top of the stack(s) under evaluation. Therefore, a simple terrain model was selected to predict maximum ground-level concentrations.

The Industrial Source Complex Short-term (ISCST3, Version 98356) dispersion model (EPA, 1995, rev. 1998) was used to evaluate all pollutant emissions for this project. This model is maintained on the EPA's Technical Transfer Network (TTN) internet web site. The ISCST3 model is applicable to sources located in either flat or rolling terrain where terrain heights do not exceed stack heights. The ISCST3 model is designed to calculate hourly concentrations based on hourly meteorological parameters (*i.e.*, wind direction, wind speed, atmospheric stability, ambient temperature, and mixing heights). The hourly concentrations are processed into non-overlapping, short-term and annual averaging periods. For example, a 24-hour average concentration is based on twenty-four, 1-hour concentrations calculated from midnight to midnight of each day. For each short-term averaging period selected, the highest and second-highest average concentrations are calculated for each receptor.

Major features of the ISCST3 model are presented in Table 4-1. The ISCST3 model has both rural and urban mode options which affect the wind speed profile exponent law, 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 source'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-km radius circle centered on the site location, the urban option should be selected. Otherwise, the rural option is more appropriate.

In this analysis, the EPA regulatory default options were used to predict all maximum impacts. The regulatory default options include:

1. Final plume rise at all receptor locations,
2. Stack-tip downwash,
3. Buoyancy-induced dispersion,

4. Default wind speed profile coefficients for rural or urban option,
5. Default vertical potential temperature gradients, and
6. Calm wind processing.

In this analysis, the EPA regulatory options were used to address maximum impacts. Based on a review of the land use around G-P, the rural mode was selected based on the degree of residential, industrial, and commercial development within 3 km of the site.

4.3 METEOROLOGICAL DATA

Meteorological data used in the ISCST3 model to determine air quality impacts consisted of a concurrent 5-year period of hourly surface weather observations from the National Weather Service (NWS) station at Jacksonville International Airport and twice-daily upper air soundings from the NWS at Waycross, Georgia. The 5-year period of meteorological data was from 1984 through 1988. The NWS station at Jacksonville, located approximately 91 km due north of the G-P site, was selected for use in the study because it is the closest primary weather station to the study area which is representative of the plant site.

The surface observations included wind direction, wind speed, temperature, cloud cover, and cloud ceiling. The wind speed, cloud cover, and cloud ceiling values were used in the ISCST meteorological preprocessor program to determine atmospheric stability using the Turner stability scheme. Based on the temperature measurements at morning and afternoon, mixing heights were calculated with the radiosonde data using the Holzworth (1972) approach. Hourly mixing heights were derived from the morning and afternoon mixing heights using the interpolation method developed by EPA (Holzworth, 1972).

The hourly surface data and mixing heights were used to develop a sequential series of hourly meteorological data (*i.e.*, wind direction, wind speed, temperature, stability class, and mixing heights). Because the observed hourly wind directions were classified into one of thirty-six 10-degree sectors, the wind directions were randomized within each sector to account for the expected variability in air flow. These calculations were performed by using the EPA PCRAMMET meteorological preprocessor program.

4.4 BUILDING DOWNWASH CONSIDERATIONS

The potential for building downwash to occur was evaluated for all source/structure combinations at the G-P Palatka facility. Those structures evaluated are presented in Table 4-2. A plot plan showing building and stack locations is presented in Attachments GP-FI-E2a and GP-FI-E2b. The EPA's Building Profile Input Program (BPIP, version 95086) was used to determine direction-specific building heights and widths for each G-P stack that was evaluated in the air modeling analysis.

4.5 SIGNIFICANT IMPACT ANALYSIS

4.5.1 Methodology

The proposed project's increase in emission rates will exceed the PSD significant emission rates for CO only. Therefore, a significant impact analysis was performed only for that pollutant. As a conservative comparison, the maximum CO impact due to the future maximum CO emissions from the No. 3 Bleach Plant was compared with CO significant impact levels.

4.5.2 Source Inventory

The stack parameters used in the significant impact analysis are presented in Table 4-3. Future maximum emission rates for CO (63.4 lb/hr; 201 TPY) are presented in Attachment 2-2. To provide conservative modeled impacts, the maximum future emissions from the No.3 Bleach Plant were modeled for comparison to significant impact levels.

4.5.3 Receptors

G-P Plant Vicinity

A total of 236 receptors were used in the significant impact analysis. These receptors were placed along 36 polar radials spaced 10 degrees apart and centered on the TRS incinerator location at G-P. The innermost receptors along each radial were located on the G-P plant property boundary. Additional receptors were located along each radial at offsite distances of 700, 1,100, 1,500, 2,000, 2,500, 3,000, 3,500, 4,000, and 5,000 meters. The plant property boundary receptors used in the significant impact analysis are presented in Table 4-4.

Class I Areas

Because allowable PSD increments do not exist for CO, the Class I modeling analysis was performed only for the Air Quality Related Value (AQRV) assessment. The nearest PSD Class I area to the G-P Palatka Mill is the Okeefenokee National Wildlife Refuge (ONWR), located approximately 111 km north-northwest of the G-P Palatka Mill. A second PSD Class I area, the Wolf Island NWR, is located approximately 150 km north of the G-P Palatka Mil. Eleven receptors were used to predict CO impacts at these two PSD Class I areas. Ten of the 11 receptors were located along the southern and eastern boundaries of the Okeefenokee NWR. One additional receptor was located at the Wolf Island NWR. A list of these receptors is presented in Table 4-5.

4.5.4 Results

Significant Impact Analysis

Results of the significant impact screening analyses for CO are summarized in Table 4-6. Because the maximum predicted impacts from the screening analysis were less than half of the EPA significant impact levels, additional refinements were not performed. The maximum 8-hour and 1-hour CO impacts of 182 and 367 micrograms per cubic meter ($\mu g/m^3$), respectively, are below the significant impact levels of 500 and 2,000 $\mu g/m^3$, respectively. Because the CO impacts do not exceed the significant impact levels, an additional analysis comparing CO impacts to NAAQS analysis is not required.

Table 4-1. Major Features of the ISCST3 Model

ISCST3 Model Features
• Polar or Cartesian coordinate systems for receptor locations
• Rural or one of three urban options which affect wind speed profile exponent, dispersion rates, and mixing height calculations
• Plume rise due to momentum and buoyancy as a function of downwind distance for stack emissions (Briggs, 1969, 1971, 1972, and 1975; Bowers, et al., 1979).
• Procedures suggested by Huber and Snyder (1976); Huber (1977); and Schulman and Scire (1980) for evaluating building wake effects
• Procedures suggested by Briggs (1974) for evaluating stack-tip downwash
• Separation of multiple emission sources
• Consideration of the effects of gravitational settling and dry deposition on ambient particulate concentrations
• Capability of simulating point, line, volume, area, and open pit sources
• Capability to calculate dry and wet deposition, including both gaseous and particulate precipitation scavenging for wet deposition
• Variation of wind speed with height (wind speed-profile exponent law)
• Concentration estimates for 1-hour to annual average times
• Terrain-adjustment procedures for elevated terrain including a terrain truncation algorithm for ISCST3; a built-in algorithm for predicting concentrations in complex terrain
• 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)
• Procedure for calm-wind processing including setting wind speeds less than 1 m/s to 1 m/s.

Note: ISCST3 = Industrial Source Complex Short-Term.
Source: EPA, 1995.

Table 4-2. Building Structures Used in the G-P Palatka Modeling Analysis

	Actual Building Dimensions					
	Height		Length		Width	
	(ft)	(m)	(ft)	(m)	(ft)	(m)
#3 Machine Building	84.5	25.8	270	82.3	207	63.1
#5 Machine Building	70.5	21.5	315	96.0	100	30.5
#4 Machine Building	73.0	22.3	270	82.3	142	43.3
#1&2 Machine Buildings/ Refiner	71.17	21.7	408	124.4	224	68.3
Digester	62.17	18.9	266	81.1	24	7.3
Powerhouse	107.6	32.8	106	32.3	92	28.0
Recovery Building	193.67	59.0	102	31.1	88	26.8
Multwall	56.67	17.3	236	71.9	170	51.8
Kraft Warehouse	56.17	17.1	278	84.7	272	82.9
Tech Services	61.75	18.8	176	53.6	48	14.6
Washers	71.0	21.6	112	34.1	65	19.8

Table 4-3. Georgia-Pacific Source Location and Operating Parmameters Used in the Modeling Analysis

Emission Unit	Emission Unit ID	Relative Location (a)				Stack Parameters				Operating Parameters			
		X		Y		Height		Diameter		Temperatur		Velocity	
		(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(°F)	(°K)	(ft/s)	(m/s)
Bleach Plant 3 (Future)	Scrubber	359.0	109.3	464.0	141.5	118.0	36.0	4.0	1.22	150.0	338.7	30.5	9.30

(a) Relative to TRS Incinerator stack location and relative to true north

Table 4-4. Summary of Direction-Specific Distances From the ECF Bleach Plant to G-P Plant Property Boundaries

Direction (Degrees)	Distance (m)	Direction (Degrees)	Distance (m)
10	5,000	190	750
20	4,500	200	1,829
30	2,500	210	1,829
40	2,500	220	1,981
50	1,500	230	2,134
60	1,500	240	2,438
70	1,500	250	2,896
80	838	260	3,048
90	686	270	3,658
100	533	280	3,962
110	457	290	4,572
120	457	300	5,182
130	457	310	4,801
140	457	320	4,875
150	457	330	6,000
160	488	340	5,500
170	533	350	5,250
180	610	360	5,125

Table 4-5. Wolf Island and Okeefenokee NWR Receptors Used in the Modeling Analysis

PSD Class I Area	UTM Coordinates	
	East (km)	North (km)
Wolf Island NWR	470.5	3459.0
Okefenokee NWR	391.0	3417.0
Okefenokee NWR	390.0	3410.0
Okefenokee NWR	392.0	3400.0
Okefenokee NWR	390.0	3395.0
Okefenokee NWR	391.0	3390.0
Okefenokee NWR	390.0	3384.0
Okefenokee NWR	383.0	3382.0
Okefenokee NWR	378.0	3382.0
Okefenokee NWR	374.0	3383.0
Okefenokee NWR	370.0	3383.0

Table 4-6. Maximum Predicted CO Concentrations for the Proposed No. 3 Bleach Plant

Averaging Time	Concentration ($\mu g/m^3$)	Receptor Location[a]		Period Ending
		Direction (deg)	Distance (m)	(YYMMDDHH)
High 24-Hour				
	79.8	110	457	84111224
	69.1	110	457	85040224
	59.7	130	457	86122024
	78.8	110	457	87011324
	106.5	100	533	88121724
High 8-Hour				
	118.8	100	533	84090108
	116.3	110	457	85053108
	182.2	140	457	86110308
	149.9	130	457	87081008
	150.5	110	457	88112324
High 3-Hour				
	181.4	110	457	84082803
	171.5	100	533	85012306
	181.9	80	838	86010306
	209.5	100	533	87093021
	220.1	100	533	88121321
High 1-Hour				
	272.4	110	457	84082802
	367.4	180	610	85101707
	297.7	110	457	86062621
	291.3	110	457	87061715
	320.5	160	488	88101307

Note: YY = Year.
MM = Month.
DD = Day.
HH = Hour.

[a]All receptor coordinates are relative to the G-P TRS Incinerator Stack Location.

5.0 BEST AVAILABLE CONTROL TECHNOLOGY REQUIREMENTS

In the case of the proposed modification at G-P, only CO requires BACT analysis for the proposed No. 3 Bleach Plant. The following section presents the BACT analysis for CO.

5.1 BACT FOR CO FROM NO. 3 BLEACH PLANT

CO is a byproduct that is formed when bleaching pulp in a pulp mill. It has been known for some time that CO is formed in the stages of a chlorine, caustic extraction, and chlorine dioxide (CEDED) bleaching sequence. This sequence is similar to the sequence used in G-P's existing bleaching process. However, until recently, it was not known how much CO formation could be expected from bleaching using up to 100% ClO_2 substitution (NCASI TB 760, 1998).

Based on studies performed by NCASI, it has been postulated that CO formation from ClO_2 substitution occurs as a result of the synergistic reaction between ClO_2 and certain precursors formed from bleaching with chlorine. The results of the studies do not show a correlation between CO formation and percent ClO_2 substitution. However, there is evidence to show that, when using 100% ClO_2 substitution, CO emissions appear to increase linearly with the total percent ClO_2 applied on the pulp. Therefore, it would appear that when bleaching using an ECF bleaching process (*i.e.*, 100% ClO_2 substitution), CO formation may be reduced be reducing the amount of ClO_2 applied to the pulp. This would suggest that CO emissions from the ECF bleaching process could be "controlled" by maintaining the percentage of ClO_2 applied to the pulp at minimum levels that would ensure proper bleaching of the pulp. Thus, ensuring efficient use of ClO_2 and efficient operation of the bleaching process would minimize CO emissions.

As part of the BACT analysis, the EPA's BACT Clearinghouse database was searched for instances of similar BACT determinations for CO emissions from bleach plants. Only one other such determination was found. The determination was made by the Mississippi Department of Environmental Quality in September 1996 for Weyerhaeser's Kraft pulp mill in Columbus (Permit No. 1680-00044, September 10, 1996). The final BACT determination to control CO emissions was to ensure efficient operations of the bleach plant.

In addition, key researchers of bleach plant CO emission studies for NCASI were queried as to the most effective means of control of CO emissions from ECF bleach plants. The consensus was that the most effective method to control CO emissions is to maintain efficient operations of the bleach plant.

Based on this information, G-P is proposing "efficient bleaching operations" as a work practice to minimize CO emissions from the proposed No. 3 Bleach Plant. No other feasible or practical means of CO emissions control or reduction has been applied to pulp mill CO emissions.

6.0 ADDITIONAL IMPACT ANALYSIS

6.1 INTRODUCTION

The modification at the Palatka facility is subject to the PSD new source review requirements for CO. The additional impact analysis and the Class I area analysis address this pollutant.

The analysis addresses the potential impacts on vegetation, soils, and wildlife in the surrounding area and at the nearest two PSD Class I areas due to G-P's proposed modification. Due to the distance from G-P, the Okefenokee NWR area would potentially receive much higher impacts than would the Wolf Island NWR. Therefore, only the Okefenokee NWR is addressed in this analysis.

The analysis will demonstrate that the increase in impacts due to the proposed increase in CO emissions is extremely low. Regardless of the existing conditions in the vicinity of the site or in the Class I areas, the proposed project will not cause any adverse impacts due to the predicted low impacts upon these areas.

6.2 SOIL, VEGETATION, AND AQRV ANALYSIS METHODOLOGY

In the foregoing analysis, the maximum air quality impacts predicted to occur in the vicinity of the G-P plant and in the Class I area due to the No. 3 Bleach Plant are used. The Industrial ISCST3 model (Version 98356) was used to compute maximum concentration. Maximum impacts in the vicinity of the G-P plant and in the Class I areas were predicted at the same receptor grids as discussed in Section 4.0. Meteorological data used in the ISCST3 consisted of the same 5-year record used for the significant impact analysis. Emissions from the G-P plant and stack data are provided in Section 4.0.

The analysis involved predicting worst-case maximum short- and long-term concentrations of pollutants in the vicinity of the plant and in the PSD Class I areas and comparing the maximum predicted concentrations to lowest observed effect levels for AQRVs or analogous organisms. In conducting the assessment, several assumptions were made as to how pollutants interact with the different matrices, (*i.e.*, vegetation, soils, wildlife, and aquatic environment).

A screening approach was used to evaluate potential effects, which compared the maximum predicted ambient concentrations of air pollutants of concern with effect threshold limits for both vegetation and

wildlife as reported in scientific literature. A literature search was conducted which specifically addressed the effects of air contaminants on plant species reported to be present in the vicinity of the plant and the Class I area. It was recognized that effects threshold information is not available for all species found in the Okefenokee NWA, although studies have been performed on a few of the common species and on other similar species which can be used as models. In conducting the assessment, both direct (fumigation) and indirect (soil accumulation/uptake) exposures were considered for flora, and direct exposure (inhalation) was considered for wildlife.

6.3 IMPACTS TO SOILS, VEGETATION, AND VISIBILITY IN VICINITY OF G-P PLANT

6.3.1 Predicted Air Quality Impacts

The results of the air quality modeling for the proposed G-P modification, in the vicinity of the plant, are presented in Table 6-1. Maximum predicted CO concentrations are presented for the annual, 24-hour, 8-hour, 3-hour, and 1-hour averaging times.

6.3.2 Impacts to Soils

In general, air contaminants can affect soils through fumigation by gaseous forms, accumulation of compounds transformed from the gaseous state, or by the direct deposition of particulate matter or particulate matter to which certain contaminants are absorbed. The soils in the vicinity of the G-P plant are generally a combination of sandy, poorly drained soils classified as Myakka-Zolfo-Immokalee and some organic soils classified as Terra Cecia-Shenks (USDA, 1985).

Because of the low predicted CO concentrations due to the proposed project, and the non-existence of reported effects to soils, no additional impacts to soils from CO are predicted.

6.3.3 Impacts to Vegetation

Vegetation Analysis

In general, the effects of air pollutants on vegetation occur primarily from SO_2, NO_2, O_3, and PM. Effects from minor air contaminants such as fluoride, chlorine, hydrogen chloride, ethylene, ammonia, hydrogen sulfide and CO have also been reported in the literature. The effects of air pollutants are dependent both on the concentration of the contaminant and the duration of the exposure. The term

"injury," as opposed to damage, is commonly used to describe all plant responses to air contaminants and will be used in the context of this analysis. Air contaminants are thought to interact primarily with plant foliage that is considered to be the major pathway of exposure.

Injury to vegetation from exposure to various levels or air contaminants can be termed acute, physiological, or chronic. Acute injury occurs as a result of a short-term exposure to a high contaminant concentration and is typically manifested by visible injury symptoms ranging from chlorosis (discoloration) to necrosis (dead areas). Physiological or latent injury occurs as the result of a long-term exposure to contaminant concentrations below that which results in acute injury symptoms. Chronic injury results from repeated exposure to low concentrations over extended periods of time, often without any visible symptoms, but with some effect on the overall growth and productivity of the plant. In this assessment, 100 percent of the particular air pollutant in the ambient air was assumed to interact with the vegetation. This is a conservative approach.

Carbon Monoxide

Concentrations of CO, even in polluted atmospheres, are not detrimental to vegetation (EPA, 1978a). CO has not been found to produce detrimental effects on plants at concentrations below 100 ppm (1.15×10^5 $\mu g/m^3$) for exposures from 1 to 3 weeks (EPA, 1978a). When plants were fumigated at concentrations that cause effects, the effects included leaf growth effects at 500 ppm (5.8×10^5 $\mu g/m^3$), and chlorosis and abscission in sensitive plants at 10,000 ppm (11.5×10^6 $\mu g/m^3$). The predicted maximum concentrations at the project boundary shown in Table 6-1 are well below levels reported to cause any detrimental effects to vegetation.

6.3.4 Impacts Upon Visibility

The wet scrubber for the existing Nos. 1 and 2 Bleach Plants will be used for the future No. 3 Bleach Plant. As a result, no new point source of air emissions will be created. In addition, this source is in compliance with opacity regulations and should remain in compliance after the modification. As a result, no adverse impacts upon visibility are expected.

6.3.5 Impacts Due to Associated Population Growth

There will be a small, temporary increase in the number of workers during the construction period. There will be no significant increase in permanent employment at G-P as a result of the proposed project. Therefore, there will be no anticipated permanent impacts on air quality caused by associated population growth.

6.4 CLASS I AREA IMPACT ANALYSIS

6.4.1 Definition of AQRVS and Criteria Applied to Okeefenokee NWA

The Okefenokee NWA is classified as a Class I area by the U.S. Fish and Wildlife Service (USFWS) for purposes of PSD new source review. The U.S. Department of the Interior (National Park Service) in 1978 administratively defined AQRVs for such areas as being:

> All those values possessed by an area except those that are not affected by changes in air quality and include all those assets of an area whose vitality, significance, or integrity is dependent in some way upon the air environment. These values include visibility and those scenic, cultural, biological, and recreational resources of an area that are affected by air quality.
>
> Important attributes of an area are those values or assets that make an area significant as a natural monument, preserve, or primitive area. They are the assets that are to be preserved if the area is to achieve the purposes for which it was set aside. (Federal Register, 1978)

6.4.2 AQRVS of Okefenokee NWA

To date, specific AQRVs, other than visibility have not been defined by the USFWS for the Okefenokee NWA (Ellen Porter, USFWS, Denver, CO, pers. comm., 1994). For this analysis, therefore, the AQRVs of this Class I area are defined as those important attributes of the Okefenokee NWA which are dependent upon the air environment, including water, soil, vegetation resources, and wildlife resources. Important aquatic, vegetation, and wildlife attributes of these areas which make the Okefenokee NWA significant are presented in Table 6-2. All terrestrial vegetation, including threatened and endangered plant species of the Okefenokee NWA, are dependent upon the air environment and are considered AQRVs. Some terrestrial wildlife and endangered and threatened wildlife are also considered AQRVs

for Okefenokee NWA . Threatened and endangered species associated with terrestrial habitats of the Okefenokee NWA are listed in Table 6-3.

6.4.3 Reported Air Quality Effects on Okefenokee NWA

No ecological effects to the attributes of the Okefenokee NWA have been recently reported (Sara Brown, USFWS, Folkston, GA; Robin Goodlow, USFWS, Brunswick, GA; and Ellen Porter, USFWS, Denver, CO, pers. comm., 1994). The reported general effects on aquatic, vegetation, and wildlife resources from significant degradation in air quality are described in Table 6-4.

6.4.4 Predicted Air Quality Impacts in the Class I Area

The results of the air quality modeling for the increase in emissions due to the G-P modification are presented in Table 6-5. Predicted air quality concentrations of CO are presented for Okefenokee NWA for the annual, 24-hour, 8-hour, 3-hour, and 1-hour averaging times. These concentrations reflect the total CO emissions due to the proposed No. 3 Bleach Plant.

6.4.5 Vegetation AQRVS Analysis

As discussed earlier, the effects of air pollutants on vegetation occur primarily from SO_2, NO_2, O_3, and PM. The effects from minor air contaminants, such as CO, have been reported in the literature. In general, the effects of air pollutants are dependent both on the concentration of the contaminant and the duration of the exposure. The term "injury," as opposed to damage, is commonly used to describe all plant responses to air contaminants and will be used in the context of this analysis. Air contaminants are thought to interact primarily with plant foliage that is considered to be the major pathway of exposure

Injury to vegetation from exposure to various levels or air contaminants can be termed acute, physiological, or chronic. Acute injury occurs as a result of a short-term exposure to a high contaminant concentration and is typically manifested by visible injury symptoms ranging from chlorosis (discoloration) to necrosis (dead areas). Physiological or latent injury occurs as the result of a long-term exposure to contaminant concentrations below that which results in acute injury symptoms. Chronic injury results from repeated exposure to low concentrations over extended periods of time, often without any visible symptoms, but with some effect on the overall growth and productivity of the plant. In this

AQRV assessment, 100 percent of the particular air pollutant in the ambient air was assumed to interact with the vegetation. This is a conservative approach.

Carbon Monoxide

Concentrations of CO, even in polluted atmospheres, are not detrimental to vegetation (EPA, 1978a). CO has not been found to produce detrimental effects on plants at concentrations below 100 ppm (1.15×10^5 $\mu g/m^3$) for exposures from 1 to 3 weeks (EPA, 1978a). When plants were fumigated at concentrations that cause effects, the effects include leaf growth effects at 500 ppm (5.8×10^5 $\mu g/m^3$), and chlorosis and abscission in sensitive plants at 10,000 ppm (11.5×10^6 $\mu g/m^3$). The predicted maximum concentrations shown in Table 6-5 at the Okefenokee NWA boundary are much lower than any levels reported to cause any detrimental effects to vegetation.

6.4.6 Soils AQRV Analysis

Air contaminants can affect soils through fumigation by gaseous forms, accumulation of compounds transformed from the gaseous state, or by the direct deposition of particulate matter or particulate matter to which certain contaminants are absorbed. Gaseous fumigation of soils does not directly affect the soil but rather the organisms found in the soil. Concentrations several orders of magnitude higher than the predicted value are required before any adverse effects from fumigation are observed.

Due to the extremely low predicted CO impacts, no effects are predicted to occur to soils at the Okefenokee NWA from CO.

6.4.7 Wildlife AQRV Analysis

The predicted CO concentrations are well below the lowest observed effects levels (1000 – 2000 ppm) in animals (EPA, 1991) and pose no risk to wildlife AQRVs in the Class I area. Because predicted levels are below those known to cause effects to vegetation, there is also no risk to their habitat.

6.4.8 Visibility Impacts

Since the visibility criteria is not affected by CO emissions, the proposed project is predicted to have no adverse effects on visibility in the Class I area.

6.4.9 Summary

In summary, it is apparent that there is a very large margin of safety for the AQRVs of Okefenokee NWA with respect to the effects of the predicted increase in CO emissions at the Palatka Mill. Therefore, no significant adverse effects will occur to the AQRVs in the Okefenokee NWA due to the proposed modification of the G-P plant.

Table 6-1. Maximum Predicted Ambient Air Quality Concentrations From the Proposed No. 3 Bleach Plant Only in the Vicinity of the Georgia-Pacific Plant

Averaging Time	CO Concentration (g/m^3)
Highest 1-hour	367
Highest 3-hour	220
Highest 8-hour	182
Highest 24-hour	107

Table 6-2. Important Aquatic, Vegetational, and Wildlife Resource Attributes or AQRVs of Okefenokee NWA Dependent Upon the Air Environment

Attribute	Location
Aquatic	
Blackwater rivers, ponds, sloughs	Okefenokee NWA
Vegetation	
Ecological communities including:	
Cypress wetlands	Okefenokee NWA
Wet flatwoods	Okefenokee NWA
Bay-shrub bogs	Okefenokee NWA
Basin marshes	Okefenokee NWA
Mixed hardwood swamp	Okefenokee NWA
Unique ecological communities	
Old-growth cypress swamp	Okefenokee NWA
Unique plants	
Threatened and endangered species	Okefenokee NWA
Ephiphytic plants including orchids and bromeliads	Okefenokee NWA
Air quality bioindicators - lichens	Okefenokee NWA
Wildlife	
Birds, mammals, reptiles and amphibians	Okefenokee NWA
Threatened and endangered species (see Table 6-3)	Okefenokee NWA

Note: NWA = National Wilderness Area.

Source: Golder Associates Inc., 1999.

Table 6-3. Federal and State Listed Endangered and Threatened Animals in the Okefenokee NWA Dependent Upon the Air Environment

Species	Designated Status	
	State[a]	USFWS[b]
Florida Black Bear	S4	C2
Arctic Peregrine Falcon	S1	-
Bachman's Warbler	E	E
Bald Eagle	E	E
Piping Plover	S1/S2	T
Red-Cockaded Woodpecker	E	E
Wood Stork	S2	E
American Alligator	-	T(S/A)
Eastern Indigo Snake	S3	T

[a] State (Georgia) Status:
- E = endangered.
- S1 = regionally endangered.
- S2 = regionally threatened.
- S3 = regionally of concern.
- S4 = regionally apparently secure.

[b] USFWS Status:
- C2 = candidate for listing, with some evidence of vulnerability, but for which not enough data exist to support listing.
- E = endangered.
- T = threatened.
- T(S/A) = threatened due to similarity of appearance.

Sources: U.S. Fish and Wildlife Service.
Georgia Freshwater Wetlands and Heritage Inventory Program.

Table 6-4. Reported General Effects on Aquatic, Vegetation, and Wildlife Resources From Significant Degradation in Air Quality

Attribute	Potential Effects and Associated Air Quality Change
Aquatic Resources	Acidification of waters and subsequent changes (loss and replacement) of ecological components; sensitive systems have low buffering capacity
Vegetation Resources	Most common effects include reduced growth, injury, and species replacement; species show specific sensitivity
Wildlife Resources	Potential effects include avoidance and increased body burdens of contaminants

Source: Golder Associates Inc., 1999.

Table 6-5. Maximum Predicted CO Concentrations due to the No. 3 Bleach Plant at the Okeefenokee NWR Class I Areas

Averaging Time	Concentration ($\mu g/m^3$)	Receptor Location[a]		Period Ending
		UTM-E	UTM-N	(YYMMDDHH)
High 24-Hour				
	0.2	392000	3400000	84072924
	0.2	390000	3384000	85082124
	0.2	390000	3384000	86081324
	0.2	390000	3384000	87122524
	0.3	374000	3383000	88100324
High 8-Hour				
	0.5	383000	3382000	84071908
	0.4	391000	3417000	85022408
	0.5	390000	3384000	86081308
	0.6	390000	3384000	87122524
	0.9	374000	3383000	88100308
High 3-Hour				
	1.3	392000	3400000	84072909
	0.9	390000	3395000	85052009
	1.2	390000	3384000	86081309
	1.2	390000	3384000	87122524
	1.8	374000	3383000	88100309
High 1-Hour				
	3.9	392000	3400000	84072909
	2.8	390000	3395000	85052009
	3.5	390000	3384000	86081307
	2.7	370000	3383000	87112814
	5.1	374000	3383000	88100308

Note: YY = Year.
MM = Month.
DD = Day.
HH = Hour.

[a]All receptor coordinates are reported in Universal Transverse Mercator (UTM) Coordinates.

ATTACHMENT B

PROPOSED NO. 3 BLEACH PLANT MODELING OUTPUT

CLASS I AREA
MODELING RUNS

ISCST3 OUTPUT FILE NUMBER 1 :COCL1.084
ISCST3 OUTPUT FILE NUMBER 2 :COCL1.085
ISCST3 OUTPUT FILE NUMBER 3 :COCL1.086
ISCST3 OUTPUT FILE NUMBER 4 :COCL1.087
ISCST3 OUTPUT FILE NUMBER 5 :COCL1.088
First title for last output file is: 1984 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK 12/11/98
Second title for last output file is: MAXIMUM FUTURE CO EMISSION RATE, PSD CLASS I RECEPTORS

AVERAGING TIME	YEAR	CONC (ug/m3)	DIR (deg) or X (m)	DIST (m) or Y (m)	PERIOD ENDING (YYMMDDHH)
SOURCE GROUP ID: ALL					
Annual					
	1984	0.00600	374000.	3383000.	84123124
	1985	0.00569	383000.	3382000.	85123124
	1986	0.00725	390000.	3384000.	86123124
	1987	0.00521	390000.	3384000.	87123124
	1988	0.00583	370000.	3383000.	88123124
HIGH 24-Hour					
	1984	0.19637	392000.	3400000.	84072924
	1985	0.19352	390000.	3384000.	85082124
	1986	0.17155	390000.	3384000.	86081324
	1987	0.21600	390000.	3384000.	87122524
	1988	0.29872	374000.	3383000.	88100324
HIGH 8-Hour					
	1984	0.51986	383000.	3382000.	84071908
	1985	0.44140	391000.	3417000.	85022408
	1986	0.51449	390000.	3384000.	86081308
	1987	0.61661	390000.	3384000.	87122524
	1988	0.85544	374000.	3383000.	88100308
HIGH 3-Hour					
	1984	1.30901	392000.	3400000.	84072909
	1985	0.92161	390000.	3395000.	85052009
	1986	1.16205	390000.	3384000.	86081309
	1987	1.23322	390000.	3384000.	87122524
	1988	1.76069	374000.	3383000.	88100309
HIGH 1-Hour					
	1984	3.92702	392000.	3400000.	84072909
	1985	2.76482	390000.	3395000.	85052009
	1986	3.48476	390000.	3384000.	86081307
	1987	2.71799	370000.	3383000.	87112814
	1988	5.13266	374000.	3383000.	88100308

All receptor computations reported with respect to a user-specified origin

GRID	0.00	0.00
DISCRETE	0.00	0.00

```
CO STARTING
CO TITLEONE 1984 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK          12/11/98
CO TITLETWO MAXIMUM FUTURE CO EMISSION RATE, PSD CLASS I RECEPTORS
CO MODELOPT DFAULT CONC RURAL NOCMPL
CO AVERTIME  PERIOD  24 8 3 1
CO POLLUTID CO
CO DCAYCOEF    .000000
CO RUNORNOT RUN
CO FINISHED

SO STARTING

SO Source Location Cards:
**          SRCID SRCTYP       XS            YS            ZS
** TRS INCINERATOR STACK IS ORIGIN ONLY
SO BLEACH PLANT BYPASS STACK
SO LOCATION   BLCHSCRB POINT    434000     3283400         .0

SO Source Parameter Cards:
SO POINT:   SRCID       QS        HS         TS          VS         DS
** VOLUME:  SRCID       QS        HS       SYINIT      SZINIT
** AREA:    SRCID       QS        HS        XINIT

SO SRCPARAM   BLCHSCRB    8.0         36.0       338.7        9.30       1.22

SO BUILDHGT BLCHSCRB        25.76   25.76   25.76   18.95   21.64   21.64
SO BUILDHGT BLCHSCRB        21.64   25.76   25.76   25.76   25.76   25.76
SO BUILDHGT BLCHSCRB        25.76   25.76   25.76   25.76   25.76   25.76
SO BUILDHGT BLCHSCRB        25.76   25.76   25.76   18.95   21.64   21.49
SO BUILDHGT BLCHSCRB        22.25   25.76   25.76   25.76   25.76   25.76
SO BUILDHGT BLCHSCRB        25.76   25.76   25.76   25.76   25.76   25.76
SO BUILDWID BLCHSCRB       102.55  103.66  101.63   29.38   36.02   35.44
SO BUILDWID BLCHSCRB        37.92  100.84  103.51  103.03   99.42   92.78
SO BUILDWID BLCHSCRB        83.33   71.35   68.68   81.13   91.11   98.33
SO BUILDWID BLCHSCRB       102.55  103.66  101.63   29.38  178.89   97.90
SO BUILDWID BLCHSCRB        90.32  100.84  103.51  103.03   99.42   92.78
SO BUILDWID BLCHSCRB        83.33   71.35   68.68   81.13   91.11   98.33

SO EMISUNIT    .100000E+07 (GRAMS/SEC)          (MICROGRAMS/CUBIC-METER)
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE DISCCART 470500   3459000
RE DISCCART 391000   3417000
RE DISCCART 390000   3410000
RE DISCCART 392000   3400000
RE DISCCART 390000   3395000
RE DISCCART 391000   3390000
RE DISCCART 390000   3384000
RE DISCCART 383000   3382000
RE DISCCART 378000   3382000
RE DISCCART 374000   3383000
RE DISCCART 370000   3383000
RE FINISHED
```

```
   STARTING
ME INPUTFIL S:\MET\GNSPRL84.BIN                    UNFORM
   ANEMHGHT    22.00 FEET
   SURFDATA  12816  1984            JACKSONVILLE
ME UAIRDATA  13861  1984            WAYCROSS
ME WINDCATS    1.50    3.10    5.10    8.20   10.80
   FINISHED


   STARTING
   RECTABLE ALLAVE FIRST
OU FINISHED

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** MODEL SETUP OPTIONS SUMMARY ***

- -

*Simple Terrain Model 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 4 Short Term Average(s) of: 24-HR 8-HR 3-HR 1-HR
and Calculates PERIOD Averages

*This Run Includes: 1 Source(s); 1 Source Group(s); and 11 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 PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE 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) = 6.71 ; Decay Coef. = 0.0000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/SEC) ; Emission Rate Unit Factor = 0.10000E+07
Output Units = (MICROGRAMS/CUBIC-METER)

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

*Input Runstream File: COCL1.184
**Output Print File: COCL1.084

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
BLCHSCRB	0	0.80000E+01	434000.0	3283400.0	0.0	36.00	338.70	9.30	1.22	YES	

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	BLCHSCRB,

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: BLCHSCRB

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	25.8,	102.6,	0	2	25.8,	103.7,	0	3	25.8,	101.6,	0	4	19.0,	29.4,	0	5	21.6,	36.0,	0	6	21.6,	35.4,	0
7	21.6,	37.9,	0	8	25.8,	100.8,	0	9	25.8,	103.5,	0	10	25.8,	103.0,	0	11	25.8,	99.4,	0	12	25.8,	92.8,	0
13	25.8,	83.3,	0	14	25.8,	71.3,	0	15	25.8,	68.7,	0	16	25.8,	81.1,	0	17	25.8,	91.1,	0	18	25.8,	98.3,	0
19	25.8,	102.6,	0	20	25.8,	103.7,	0	21	25.8,	101.6,	0	22	19.0,	29.4,	0	23	21.6,	178.9,	0	24	21.5,	97.9,	0
25	22.3,	90.3,	0	26	25.8,	100.8,	0	27	25.8,	103.5,	0	28	25.8,	103.0,	0	29	25.8,	99.4,	0	30	25.8,	92.8,	0
31	25.8,	83.3,	0	32	25.8,	71.3,	0	33	25.8,	68.7,	0	34	25.8,	81.1,	0	35	25.8,	91.1,	0	36	25.8,	98.3,	0

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

(	470500.0,	3459000.0,	0.0, 0.0);	(	391000.0,	3417000.0,	0.0, 0.0);
(	390000.0,	3410000.0,	0.0, 0.0);	(	392000.0,	3400000.0,	0.0, 0.0);
(	390000.0,	3395000.0,	0.0, 0.0);	(	391000.0,	3390000.0,	0.0, 0.0);
(	390000.0,	3384000.0,	0.0, 0.0);	(	383000.0,	3382000.0,	0.0, 0.0);
(	378000.0,	3382000.0,	0.0, 0.0);	(	374000.0,	3383000.0,	0.0, 0.0);
(	370000.0,	3383000.0,	0.0, 0.0);				

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

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

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

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

1.50, 3.10, 5.10, 8.20, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

FILE: S:\MET\GNSPRL84.BIN
FORMAT: UNFORM
SURFACE STATION NO.: 12816 UPPER AIR STATION NO.: 13861
NAME: JACKSONVILLE NAME: WAYCROSS
YEAR: 1984 YEAR: 1984

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-O (M)	IPCODE	PRATE (mm/HR)
84	1	1	1	231.0	2.06	272.0	6	752.0	205.0	0.0000	0.0	0.0000	0	0.00
84	1	1	2	188.0	2.57	272.0	6	752.0	205.0	0.0000	0.0	0.0000	0	0.00
84	1	1	3	184.0	2.57	271.5	6	752.0	205.0	0.0000	0.0	0.0000	0	0.00
84	1	1	4	203.0	2.57	270.9	6	752.0	205.0	0.0000	0.0	0.0000	0	0.00
84	1	1	5	163.0	2.06	270.4	6	752.0	205.0	0.0000	0.0	0.0000	0	0.00
84	1	1	6	202.0	3.60	270.4	5	752.0	205.0	0.0000	0.0	0.0000	0	0.00
84	1	1	7	175.0	2.57	270.4	6	752.0	205.0	0.0000	0.0	0.0000	0	0.00
84	1	1	8	193.0	3.60	270.9	5	59.9	248.6	0.0000	0.0	0.0000	0	0.00
84	1	1	9	197.0	3.60	273.7	4	175.2	332.5	0.0000	0.0	0.0000	0	0.00
84	1	1	10	211.0	4.12	277.6	3	290.6	416.4	0.0000	0.0	0.0000	0	0.00
84	1	1	11	204.0	2.57	280.4	3	405.9	500.3	0.0000	0.0	0.0000	0	0.00
84	1	1	12	206.0	4.12	283.2	3	521.3	584.2	0.0000	0.0	0.0000	0	0.00
84	1	1	13	173.0	3.60	284.3	2	636.6	668.1	0.0000	0.0	0.0000	0	0.00
84	1	1	14	199.0	3.60	285.9	3	752.0	752.0	0.0000	0.0	0.0000	0	0.00
84	1	1	15	212.0	5.14	285.9	4	752.0	752.0	0.0000	0.0	0.0000	0	0.00
84	1	1	16	234.0	5.66	285.9	4	752.0	752.0	0.0000	0.0	0.0000	0	0.00
84	1	1	17	251.0	4.12	284.3	4	752.0	752.0	0.0000	0.0	0.0000	0	0.00
84	1	1	18	257.0	3.60	282.0	5	750.9	707.8	0.0000	0.0	0.0000	0	0.00
84	1	1	19	244.0	2.57	279.3	6	748.2	595.6	0.0000	0.0	0.0000	0	0.00
84	1	1	20	257.0	2.57	277.6	6	745.4	483.5	0.0000	0.0	0.0000	0	0.00
84	1	1	21	240.0	3.60	275.9	5	742.7	371.4	0.0000	0.0	0.0000	0	0.00
84	1	1	22	172.0	2.57	275.9	6	739.9	259.3	0.0000	0.0	0.0000	0	0.00
84	1	1	23	170.0	2.57	275.9	6	737.2	147.1	0.0000	0.0	0.0000	0	0.00
84	1	1	24	170.0	2.06	275.9	6	734.4	35.0	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.

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
470500.00	3459000.00	0.00173	391000.00	3417000.00	0.00465
390000.00	3410000.00	0.00502	392000.00	3400000.00	0.00521
390000.00	3395000.00	0.00439	391000.00	3390000.00	0.00437
390000.00	3384000.00	0.00424	383000.00	3382000.00	0.00434
378000.00	3382000.00	0.00573	374000.00	3383000.00	0.00600
370000.00	3383000.00	0.00521			

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.04414	(84032524)	391000.00	3417000.00	0.11036c	(84072924)
390000.00	3410000.00	0.17193c	(84072924)	392000.00	3400000.00	0.19637c	(84072924)
390000.00	3395000.00	0.16238c	(84072924)	391000.00	3390000.00	0.14571c	(84072924)
390000.00	3384000.00	0.10289c	(84062024)	383000.00	3382000.00	0.17329c	(84071924)
378000.00	3382000.00	0.11463c	(84082424)	374000.00	3383000.00	0.17562c	(84082424)
370000.00	3383000.00	0.13459c	(84082424)				

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.12252	(84032508)	391000.00	3417000.00	0.27591	(84072916)
390000.00	3410000.00	0.42983	(84072916)	392000.00	3400000.00	0.49092	(84072916)
390000.00	3395000.00	0.40587	(84072916)	391000.00	3390000.00	0.36408	(84072916)
390000.00	3384000.00	0.32168c	(84032008)	383000.00	3382000.00	0.51986c	(84071908)
378000.00	3382000.00	0.32399c	(84122408)	374000.00	3383000.00	0.49297c	(84082408)
370000.00	3383000.00	0.37221c	(84082408)				

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.35315	(84032509)	391000.00	3417000.00	0.73576c	(84072909)
390000.00	3410000.00	1.14620c	(84072909)	392000.00	3400000.00	1.30901c	(84072909)
390000.00	3395000.00	1.08026c	(84072909)	391000.00	3390000.00	0.96653c	(84072909)
390000.00	3384000.00	0.67807	(84070424)	383000.00	3382000.00	1.03971	(84071909)
378000.00	3382000.00	0.64943	(84060924)	374000.00	3383000.00	0.63793c	(84050624)
370000.00	3383000.00	0.71611c	(84050624)				

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.98017	(84032507)	391000.00	3417000.00	2.20729	(84072909)
390000.00	3410000.00	3.43860	(84072909)	392000.00	3400000.00	3.92702	(84072909)
390000.00	3395000.00	3.24077	(84072909)	391000.00	3390000.00	2.89959	(84072909)
390000.00	3384000.00	2.03422	(84070423)	383000.00	3382000.00	3.11910	(84071907)
378000.00	3382000.00	1.94831	(84060924)	374000.00	3383000.00	1.91379	(84050622)
370000.00	3383000.00	2.14832	(84050622)				

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE SUMMARY OF MAXIMUM PERIOD (8784 HRS) RESULTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)			OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00600 AT	374000.00,	3383000.00,	0.00,	0.00) DC	NA
	2ND HIGHEST VALUE IS	0.00573 AT	378000.00,	3382000.00,	0.00,	0.00) DC	NA
	3RD HIGHEST VALUE IS	0.00521 AT	370000.00,	3383000.00,	0.00,	0.00) DC	NA
	4TH HIGHEST VALUE IS	0.00521 AT	392000.00,	3400000.00,	0.00,	0.00) DC	NA
	5TH HIGHEST VALUE IS	0.00502 AT	390000.00,	3410000.00,	0.00,	0.00) DC	NA
	6TH HIGHEST VALUE IS	0.00465 AT	391000.00,	3417000.00,	0.00,	0.00) DC	NA
	7TH HIGHEST VALUE IS	0.00439 AT	390000.00,	3395000.00,	0.00,	0.00) DC	NA
	8TH HIGHEST VALUE IS	0.00437 AT	391000.00,	3390000.00,	0.00,	0.00) DC	NA
	9TH HIGHEST VALUE IS	0.00434 AT	383000.00,	3382000.00,	0.00,	0.00) DC	NA
	10TH HIGHEST VALUE IS	0.00424 AT	390000.00,	3384000.00,	0.00,	0.00) DC	NA

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

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.19637c	ON 84072924: AT (392000.00, 3400000.00, 0.00, 0.00)	DC	NA

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

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.51986c	ON 84071908: AT (383000.00, 3382000.00, 0.00, 0.00)	DC	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	1.30901c	ON 84072909: AT (392000.00, 3400000.00, 0.00, 0.00)	DC	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	3.92702	ON 84072909: AT (392000.00, 3400000.00, 0.00, 0.00)	DC	NA

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

*** Message Summary : ISCST3 Model Execution ***

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

Total of 0 Fatal Error Message(s)
Total of 0 Warning Message(s)
A Total of 1992 Informational Message(s)

Total of 1992 Calm Hours Identified

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

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

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

```
CO STARTING
CO TITLEONE 1985 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK          12/11/98
CO TITLETWO MAXIMUM FUTURE CO EMISSION RATE, PSD CLASS I RECEPTORS
CO MODELOPT DFAULT CONC RURAL NOCMPL
CO AVERTIME  PERIOD  24 8 3 1
CO POLLUTID CO
CO DCAYCOEF    .000000
CO RUNORNOT RUN
CO FINISHED


SO STARTING

   Source Location Cards:
**          SRCID SRCTYP        XS            YS            ZS
** TRS INCINERATOR STACK IS ORIGIN ONLY
   BLEACH PLANT BYPASS STACK
   LOCATION   BLCHSCRB POINT    434000     3283400         .0

   Source Parameter Cards:
   POINT:   SRCID       QS        HS         TS          VS         DS
** VOLUME:  SRCID       QS        HS       SYINIT      SZINIT
** AREA:    SRCID       QS        HS        XINIT

SO SRCPARAM   BLCHSCRB    8.0         36.0      338.7        9.30       1.22


   BUILDHGT BLCHSCRB        25.76  25.76  25.76  18.95  21.64  21.64
SO BUILDHGT BLCHSCRB        21.64  25.76  25.76  25.76  25.76  25.76
   BUILDHGT BLCHSCRB        25.76  25.76  25.76  25.76  25.76  25.76
   BUILDHGT BLCHSCRB        25.76  25.76  25.76  18.95  21.64  21.49
SO BUILDHGT BLCHSCRB        22.25  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  25.76  25.76  25.76
   BUILDWID BLCHSCRB       102.55 103.66 101.63  29.38  36.02  35.44
   BUILDWID BLCHSCRB        37.92 100.84 103.51 103.03  99.42  92.78
SO BUILDWID BLCHSCRB        83.33  71.35  68.68  81.13  91.11  98.33
   BUILDWID BLCHSCRB       102.55 103.66 101.63  29.38 178.89  97.90
   BUILDWID BLCHSCRB        90.32 100.84 103.51 103.03  99.42  92.78
SO BUILDWID BLCHSCRB        83.33  71.35  68.68  81.13  91.11  98.33


SO EMISUNIT    .100000E+07 (GRAMS/SEC)          (MICROGRAMS/CUBIC-METER)
SO SRCGROUP  ALL
   FINISHED

RE STARTING
   DISCCART 470500   3459000
   DISCCART 391000   3417000
RE DISCCART 390000   3410000
RE DISCCART 392000   3400000
   DISCCART 390000   3395000
RE DISCCART 391000   3390000
RE DISCCART 390000   3384000
   DISCCART 383000   3382000
   DISCCART 378000   3382000
RE DISCCART 374000   3383000
   DISCCART 370000   3383000
   FINISHED
```

```
ME STARTING
ME INPUTFIL S:\MET\GNSPRL85.BIN                    UNFORM
ME ANEMHGHT    22.00 FEET
ME SURFDATA  12816  1985            JACKSONVILLE
ME UAIRDATA  13861  1985            WAYCROSS
ME WINDCATS    1.50    3.10    5.10    8.20   10.80
ME FINISHED

OU STARTING
OU RECTABLE ALLAVE FIRST
OU FINISHED

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

```
** ISCST3 - VERSION 98356 ***     *** 1985 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK           12/11/98  ***       01/28/99
                                  *** MAXIMUM FUTURE CO EMISSION RATE, PSD CLASS I RECEPTORS               ***       11:34:07
                                                                                                                     PAGE   1
MODELOPTs: CONC                          RURAL  FLAT         DFAULT                                                     NOCMPL

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

**Simple Terrain Model 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

odel Assumes Receptors on FLAT Terrain.

**Model Assumes No FLAGPOLE Receptor Heights.

Model Calculates  4 Short Term Average(s) of:  24-HR   8-HR   3-HR   1-HR
  and Calculates PERIOD Averages

This Run Includes:     1 Source(s);      1 Source Group(s); and      11 Receptor(s)

The Model Assumes A Pollutant Type of:  CO

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

utput Options Selected:
      Model Outputs Tables of PERIOD Averages by Receptor
      Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)

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

**Misc. Inputs:  Anem. Hgt. (m) =     6.71 ;    Decay Coef. =   0.0000     ;   Rot. Angle =      0.0
                 Emission Units = (GRAMS/SEC)                              ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = (MICROGRAMS/CUBIC-METER)

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

nput Runstream File:          COCL1.I85
**Output Print File:          COCL1.O85
```

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
BLCHSCRB	0	0.80000E+01	434000.0	3283400.0	0.0	36.00	338.70	9.30	1.22	YES	

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	BLCHSCRB,

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: BLCHSCRB

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	25.8,	102.6,	0	2	25.8,	103.7,	0	3	25.8,	101.6,	0	4	19.0,	29.4,	0	5	21.6,	36.0,	0	6	21.6,	35.4,	0
7	21.6,	37.9,	0	8	25.8,	100.8,	0	9	25.8,	103.5,	0	10	25.8,	103.0,	0	11	25.8,	99.4,	0	12	25.8,	92.8,	0
13	25.8,	83.3,	0	14	25.8,	71.3,	0	15	25.8,	68.7,	0	16	25.8,	81.1,	0	17	25.8,	91.1,	0	18	25.8,	98.3,	0
19	25.8,	102.6,	0	20	25.8,	103.7,	0	21	25.8,	101.6,	0	22	19.0,	29.4,	0	23	21.6,	178.9,	0	24	21.5,	97.9,	0
25	22.3,	90.3,	0	26	25.8,	100.8,	0	27	25.8,	103.5,	0	28	25.8,	103.0,	0	29	25.8,	99.4,	0	30	25.8,	92.8,	0
31	25.8,	83.3,	0	32	25.8,	71.3,	0	33	25.8,	68.7,	0	34	25.8,	81.1,	0	35	25.8,	91.1,	0	36	25.8,	98.3,	0

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

(	470500.0,	3459000.0,	0.0, 0.0);	(	391000.0,	3417000.0,	0.0, 0.0);
(	390000.0,	3410000.0,	0.0, 0.0);	(	392000.0,	3400000.0,	0.0, 0.0);
(	390000.0,	3395000.0,	0.0, 0.0);	(	391000.0,	3390000.0,	0.0, 0.0);
(	390000.0,	3384000.0,	0.0, 0.0);	(	383000.0,	3382000.0,	0.0, 0.0);
(	378000.0,	3382000.0,	0.0, 0.0);	(	374000.0,	3383000.0,	0.0, 0.0);
(	370000.0,	3383000.0,	0.0, 0.0);				

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

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

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

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

1.50, 3.10, 5.10, 8.20, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

FILE: S:\MET\GNSPRL85.BIN
FORMAT: UNFORM
SURFACE STATION NO.: 12816 UPPER AIR STATION NO.: 13861
NAME: JACKSONVILLE NAME: WAYCROSS
YEAR: 1985 YEAR: 1985

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-O (M)	IPCODE	PRATE (mm/HR)
85	1	1	1	351.0	4.12	292.0	5	1628.0	231.0	0.0000	0.0	0.0000	0	0.00
85	1	1	2	338.0	3.09	292.0	5	1655.5	231.0	0.0000	0.0	0.0000	0	0.00
85	1	1	3	344.0	2.57	292.0	4	1683.0	1683.0	0.0000	0.0	0.0000	0	0.00
85	1	1	4	343.0	3.09	291.5	4	1710.4	1710.4	0.0000	0.0	0.0000	0	0.00
85	1	1	5	353.0	2.57	290.9	5	1737.9	231.0	0.0000	0.0	0.0000	0	0.00
85	1	1	6	352.0	1.00	289.3	6	1765.3	231.0	0.0000	0.0	0.0000	0	0.00
85	1	1	7	305.0	2.06	288.7	6	1792.8	231.0	0.0000	0.0	0.0000	0	0.00
85	1	1	8	313.0	2.06	289.3	5	158.1	370.7	0.0000	0.0	0.0000	0	0.00
85	1	1	9	307.0	2.57	292.0	4	462.6	639.7	0.0000	0.0	0.0000	0	0.00
85	1	1	10	351.0	4.63	295.4	3	767.0	908.8	0.0000	0.0	0.0000	0	0.00
85	1	1	11	344.0	7.20	297.6	4	1071.5	1177.8	0.0000	0.0	0.0000	0	0.00
85	1	1	12	336.0	3.60	297.6	4	1376.0	1446.9	0.0000	0.0	0.0000	0	0.00
85	1	1	13	343.0	5.14	298.7	4	1680.5	1715.9	0.0000	0.0	0.0000	0	0.00
85	1	1	14	59.0	2.57	298.7	4	1985.0	1985.0	0.0000	0.0	0.0000	0	0.00
85	1	1	15	342.0	4.12	299.3	3	1985.0	1985.0	0.0000	0.0	0.0000	0	0.00
85	1	1	16	324.0	4.12	299.3	3	1985.0	1985.0	0.0000	0.0	0.0000	0	0.00
85	1	1	17	321.0	4.12	298.7	4	1985.0	1985.0	0.0000	0.0	0.0000	0	0.00
85	1	1	18	307.0	1.54	295.9	5	1969.9	1892.9	0.0000	0.0	0.0000	0	0.00
85	1	1	19	314.0	1.00	293.2	6	1931.7	1659.4	0.0000	0.0	0.0000	0	0.00
85	1	1	20	297.0	2.57	293.2	6	1893.5	1425.9	0.0000	0.0	0.0000	0	0.00
85	1	1	21	320.0	4.63	293.2	5	1855.3	1192.4	0.0000	0.0	0.0000	0	0.00
85	1	1	22	332.0	3.60	292.6	5	1817.1	959.0	0.0000	0.0	0.0000	0	0.00
85	1	1	23	330.0	1.00	291.5	6	1778.9	725.5	0.0000	0.0	0.0000	0	0.00
85	1	1	24	330.0	1.00	290.9	7	1740.8	492.0	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.

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
470500.00	3459000.00	0.00187	391000.00	3417000.00	0.00320
390000.00	3410000.00	0.00332	392000.00	3400000.00	0.00379
390000.00	3395000.00	0.00408	391000.00	3390000.00	0.00427
390000.00	3384000.00	0.00456	383000.00	3382000.00	0.00569
378000.00	3382000.00	0.00504	374000.00	3383000.00	0.00474
370000.00	3383000.00	0.00458			

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.05777c	(85071224)	391000.00	3417000.00	0.15952c	(85022424)
390000.00	3410000.00	0.09697c	(85052024)	392000.00	3400000.00	0.12644c	(85052024)
390000.00	3395000.00	0.14552c	(85052024)	391000.00	3390000.00	0.14159c	(85052024)
390000.00	3384000.00	0.19352c	(85082124)	383000.00	3382000.00	0.11382c	(85062924)
378000.00	3382000.00	0.16565c	(85112924)	374000.00	3383000.00	0.14389c	(85112924)
370000.00	3383000.00	0.09919c	(85080824)				

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.14305c	(85052016)	391000.00	3417000.00	0.44140c	(85022408)
390000.00	3410000.00	0.26321c	(85052016)	392000.00	3400000.00	0.35319c	(85080108)
390000.00	3395000.00	0.39497c	(85052016)	391000.00	3390000.00	0.38430c	(85052016)
390000.00	3384000.00	0.40869c	(85082124)	383000.00	3382000.00	0.34145c	(85062908)
378000.00	3382000.00	0.39392c	(85112908)	374000.00	3383000.00	0.36076c	(85020108)
370000.00	3383000.00	0.34718c	(85080808)				

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.33660	(85071224)	391000.00	3417000.00	0.88280	(85022403)
390000.00	3410000.00	0.61413	(85052009)	392000.00	3400000.00	0.82412	(85080106)
390000.00	3395000.00	0.92161	(85052009)	391000.00	3390000.00	0.89671	(85052009)
390000.00	3384000.00	0.89242	(85103109)	383000.00	3382000.00	0.79671	(85062903)
378000.00	3382000.00	0.85874c	(85112903)	374000.00	3383000.00	0.72152	(85020109)
370000.00	3383000.00	0.69425	(85080803)				

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	1.00981	(85071223)	391000.00	3417000.00	1.64699	(85022403)
390000.00	3410000.00	1.84240	(85052009)	392000.00	3400000.00	2.47236	(85080104)
390000.00	3395000.00	2.76482	(85052009)	391000.00	3390000.00	2.69013	(85052009)
390000.00	3384000.00	2.45211	(85082123)	383000.00	3382000.00	2.39014	(85062903)
378000.00	3382000.00	2.39906	(85080106)	374000.00	3383000.00	2.01333	(85020107)
370000.00	3383000.00	1.92758	(85080801)				

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00569 AT (	383000.00,	3382000.00,	0.00,	0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.00504 AT (	378000.00,	3382000.00,	0.00,	0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.00474 AT (	374000.00,	3383000.00,	0.00,	0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.00458 AT (	370000.00,	3383000.00,	0.00,	0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.00456 AT (	390000.00,	3384000.00,	0.00,	0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.00427 AT (	391000.00,	3390000.00,	0.00,	0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.00408 AT (	390000.00,	3395000.00,	0.00,	0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.00379 AT (	392000.00,	3400000.00,	0.00,	0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.00332 AT (	390000.00,	3410000.00,	0.00,	0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.00320 AT (	391000.00,	3417000.00,	0.00,	0.00)	DC	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.19352c	ON 85082124: AT (390000.00, 3384000.00, 0.00, 0.00)	DC	NA

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

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.44140c	ON 85022408: AT (391000.00, 3417000.00, 0.00, 0.00)	DC	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

OUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
L HIGH 1ST HIGH VALUE IS	0.92161	ON 85052009:	AT (390000.00, 3395000.00, 0.00, 0.00)	DC	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 2.76482	ON 85052009:	AT (390000.00, 3395000.00, 0.00, 0.00)	DC	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** Message Summary : ISCST3 Model Execution ***

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

Total of 0 Fatal Error Message(s)
Total of 0 Warning Message(s)
A Total of 1822 Informational Message(s)

Total of 1822 Calm Hours Identified

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

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

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

```
CO STARTING
CO TITLEONE 1986 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK          12/11/98
CO TITLETWO MAXIMUM FUTURE CO EMISSION RATE, PSD CLASS I RECEPTORS
CO MODELOPT DFAULT CONC RURAL NOCMPL
CO AVERTIME  PERIOD 24 8 3 1
CO POLLUTID CO
CO DCAYCOEF    .000000
CO RUNORNOT RUN
CO FINISHED


SO STARTING

** Source Location Cards:
**          SRCID SRCTYP        XS            YS            ZS
** TRS INCINERATOR STACK IS ORIGIN ONLY
** BLEACH PLANT BYPASS STACK
SO LOCATION   BLCHSCRB POINT    434000     3283400         .0

** Source Parameter Cards:
** POINT:   SRCID       QS        HS         TS          VS         DS
** VOLUME:  SRCID       QS        HS       SYINIT      SZINIT
** AREA:    SRCID       QS        HS        XINIT

SO SRCPARAM   BLCHSCRB    8.0         36.0      338.7        9.30       1.22


SO BUILDHGT BLCHSCRB        25.76   25.76   25.76   18.95   21.64   21.64
SO BUILDHGT BLCHSCRB        21.64   25.76   25.76   25.76   25.76   25.76
SO BUILDHGT BLCHSCRB        25.76   25.76   25.76   25.76   25.76   25.76
SO BUILDHGT BLCHSCRB        25.76   25.76   25.76   18.95   21.64   21.49
SO BUILDHGT BLCHSCRB        22.25   25.76   25.76   25.76   25.76   25.76
SO BUILDHGT BLCHSCRB        25.76   25.76   25.76   25.76   25.76   25.76
SO BUILDWID BLCHSCRB       102.55  103.66  101.63   29.38   36.02   35.44
SO BUILDWID BLCHSCRB        37.92  100.84  103.51  103.03   99.42   92.78
SO BUILDWID BLCHSCRB        83.33   71.35   68.68   81.13   91.11   98.33
SO BUILDWID BLCHSCRB       102.55  103.66  101.63   29.38  178.89   97.90
SO BUILDWID BLCHSCRB        90.32  100.84  103.51  103.03   99.42   92.78
SO BUILDWID BLCHSCRB        83.33   71.35   68.68   81.13   91.11   98.33


SO EMISUNIT    .100000E+07 (GRAMS/SEC)          (MICROGRAMS/CUBIC-METER)
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE DISCCART 470500   3459000
RE DISCCART 391000   3417000
RE DISCCART 390000   3410000
RE DISCCART 392000   3400000
RE DISCCART 390000   3395000
RE DISCCART 391000   3390000
RE DISCCART 390000   3384000
RE DISCCART 383000   3382000
RE DISCCART 378000   3382000
RE DISCCART 374000   3383000
RE DISCCART 370000   3383000
RE FINISHED
```

```
E STARTING
ME INPUTFIL S:\MET\GNSPRL86.BIN                    UNFORM
E ANEMHGHT    22.00 FEET
E SURFDATA  12816  1986            JACKSONVILLE
ME UAIRDATA  13861  1986            WAYCROSS
ME WINDCATS    1.50    3.10    5.10    8.20   10.80
E FINISHED

U STARTING
U RECTABLE ALLAVE FIRST
OU FINISHED

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

**MODELOPTs: CONC   RURAL FLAT   DFAULT   NOCMPL

*** MODEL SETUP OPTIONS SUMMARY ***

- -

**Simple Terrain Model 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 4 Short Term Average(s) of: 24-HR 8-HR 3-HR 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 11 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 PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE 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) = 6.71 ; Decay Coef. = 0.0000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/SEC) ; Emission Rate Unit Factor = 0.10000E+07
Output Units = (MICROGRAMS/CUBIC-METER)

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

**Input Runstream File: COCL1.I86
**Output Print File: COCL1.O86

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
BLCHSCRB	0	0.80000E+01	434000.0	3283400.0	0.0	36.00	338.70	9.30	1.22	YES	

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	BLCHSCRB,

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: BLCHSCRB

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	25.8,	102.6,	0	2	25.8,	103.7,	0	3	25.8,	101.6,	0	4	19.0,	29.4,	0	5	21.6,	36.0,	0	6	21.6,	35.4,	0
7	21.6,	37.9,	0	8	25.8,	100.8,	0	9	25.8,	103.5,	0	10	25.8,	103.0,	0	11	25.8,	99.4,	0	12	25.8,	92.8,	0
13	25.8,	83.3,	0	14	25.8,	71.3,	0	15	25.8,	68.7,	0	16	25.8,	81.1,	0	17	25.8,	91.1,	0	18	25.8,	98.3,	0
19	25.8,	102.6,	0	20	25.8,	103.7,	0	21	25.8,	101.6,	0	22	19.0,	29.4,	0	23	21.6,	178.9,	0	24	21.5,	97.9,	0
25	22.3,	90.3,	0	26	25.8,	100.8,	0	27	25.8,	103.5,	0	28	25.8,	103.0,	0	29	25.8,	99.4,	0	30	25.8,	92.8,	0
31	25.8,	83.3,	0	32	25.8,	71.3,	0	33	25.8,	68.7,	0	34	25.8,	81.1,	0	35	25.8,	91.1,	0	36	25.8,	98.3,	0

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

(	470500.0,	3459000.0,	0.0, 0.0);	(	391000.0,	3417000.0,	0.0, 0.0);
(	390000.0,	3410000.0,	0.0, 0.0);	(	392000.0,	3400000.0,	0.0, 0.0);
(	390000.0,	3395000.0,	0.0, 0.0);	(	391000.0,	3390000.0,	0.0, 0.0);
(	390000.0,	3384000.0,	0.0, 0.0);	(	383000.0,	3382000.0,	0.0, 0.0);
(	378000.0,	3382000.0,	0.0, 0.0);	(	374000.0,	3383000.0,	0.0, 0.0);
(	370000.0,	3383000.0,	0.0, 0.0);				

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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.50, 3.10, 5.10, 8.20, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

FILE: S:\MET\GNSPRL86.BIN
FORMAT: UNFORM
SURFACE STATION NO.: 12816 UPPER AIR STATION NO.: 13861
NAME: JACKSONVILLE NAME: WAYCROSS
YEAR: 1986 YEAR: 1986

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-O (M)	IPCODE	PRATE (mm/HR)
	1	1	1	331.0	4.12	287.0	4	1367.4	1367.4	0.0000	0.0	0.0000	0	0.00
86	1	1	2	38.0	3.60	287.6	4	1328.9	1328.9	0.0000	0.0	0.0000	0	0.00
	1	1	3	14.0	5.14	287.6	4	1290.4	1290.4	0.0000	0.0	0.0000	0	0.00
	1	1	4	43.0	2.57	287.6	4	1251.9	1251.9	0.0000	0.0	0.0000	0	0.00
86	1	1	5	43.0	1.00	287.6	4	1213.4	1213.4	0.0000	0.0	0.0000	0	0.00
86	1	1	6	52.0	2.06	288.2	4	1174.9	1174.9	0.0000	0.0	0.0000	0	0.00
	1	1	7	55.0	1.00	288.2	4	1136.4	1136.4	0.0000	0.0	0.0000	0	0.00
86	1	1	8	93.0	3.60	288.2	4	1097.9	1097.9	0.0000	0.0	0.0000	0	0.00
86	1	1	9	117.0	1.54	288.2	4	1059.5	1059.5	0.0000	0.0	0.0000	0	0.00
	1	1	10	121.0	1.00	288.7	4	1021.0	1021.0	0.0000	0.0	0.0000	0	0.00
	1	1	11	254.0	2.06	289.3	4	982.5	982.5	0.0000	0.0	0.0000	0	0.00
86	1	1	12	266.0	2.06	289.8	4	944.0	944.0	0.0000	0.0	0.0000	0	0.00
	1	1	13	273.0	1.00	290.4	4	905.5	905.5	0.0000	0.0	0.0000	0	0.00
	1	1	14	189.0	3.60	290.4	4	867.0	867.0	0.0000	0.0	0.0000	0	0.00
86	1	1	15	252.0	3.09	290.4	4	867.0	867.0	0.0000	0.0	0.0000	0	0.00
86	1	1	16	274.0	2.57	290.4	4	867.0	867.0	0.0000	0.0	0.0000	0	0.00
	1	1	17	271.0	2.57	290.9	4	867.0	867.0	0.0000	0.0	0.0000	0	0.00
86	1	1	18	247.0	2.57	290.4	5	864.3	832.8	0.0000	0.0	0.0000	0	0.00
86	1	1	19	244.0	2.06	289.8	4	857.6	857.6	0.0000	0.0	0.0000	0	0.00
	1	1	20	237.0	1.00	289.8	4	850.8	850.8	0.0000	0.0	0.0000	0	0.00
	1	1	21	310.0	2.06	289.3	5	844.0	572.9	0.0000	0.0	0.0000	0	0.00
86	1	1	22	302.0	2.57	288.7	4	837.3	837.3	0.0000	0.0	0.0000	0	0.00
86	1	1	23	270.0	2.57	288.7	4	830.5	830.5	0.0000	0.0	0.0000	0	0.00
	1	1	24	270.0	3.60	288.2	4	823.7	823.7	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 NOCMPL

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
470500.00	3459000.00	0.00287	391000.00	3417000.00	0.00396
390000.00	3410000.00	0.00493	392000.00	3400000.00	0.00532
390000.00	3395000.00	0.00543	391000.00	3390000.00	0.00608
390000.00	3384000.00	0.00725	383000.00	3382000.00	0.00492
378000.00	3382000.00	0.00617	374000.00	3383000.00	0.00640
370000.00	3383000.00	0.00552			

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.09233c	(86032424)	391000.00	3417000.00	0.15382c	(86051924)
390000.00	3410000.00	0.14804c	(86051924)	392000.00	3400000.00	0.14072c	(86051924)
390000.00	3395000.00	0.10065	(86081324)	391000.00	3390000.00	0.12133	(86081324)
390000.00	3384000.00	0.17155	(86081324)	383000.00	3382000.00	0.12615	(86113024)
378000.00	3382000.00	0.15115c	(86112424)	374000.00	3383000.00	0.15840c	(86061424)
370000.00	3383000.00	0.12832c	(86031224)				

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.27699c	(86032424)	391000.00	3417000.00	0.43994	(86051908)
390000.00	3410000.00	0.41930	(86051908)	392000.00	3400000.00	0.39474	(86051908)
390000.00	3395000.00	0.29904	(86081308)	391000.00	3390000.00	0.36222	(86081308)
390000.00	3384000.00	0.51449	(86081308)	383000.00	3382000.00	0.33688c	(86121208)
378000.00	3382000.00	0.45626c	(86121808)	374000.00	3383000.00	0.33640c	(86061408)
370000.00	3383000.00	0.33690c	(86080324)				

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.55398c	(86032424)	391000.00	3417000.00	0.99405	(86051906)
390000.00	3410000.00	0.96188	(86051906)	392000.00	3400000.00	0.90649	(86051906)
390000.00	3395000.00	0.60818	(86081309)	391000.00	3390000.00	0.76711	(86081309)
390000.00	3384000.00	1.16205	(86081309)	383000.00	3382000.00	0.67376c	(86121203)
378000.00	3382000.00	0.91252	(86121803)	374000.00	3383000.00	0.67302	(86081206)
370000.00	3383000.00	0.67847	(86031224)				

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	1.66194	(86032423)	391000.00	3417000.00	2.91635	(86051906)
390000.00	3410000.00	2.65357	(86051906)	392000.00	3400000.00	2.35804	(86051906)
390000.00	3395000.00	1.80128	(86081307)	391000.00	3390000.00	2.28723	(86081307)
390000.00	3384000.00	3.48476	(86081307)	383000.00	3382000.00	2.02129	(86121203)
378000.00	3382000.00	2.39795	(86112424)	374000.00	3383000.00	2.01907	(86081204)
370000.00	3383000.00	1.92856	(86080321)				

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00725 AT	(390000.00,	3384000.00,	0.00,	0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.00640 AT	(374000.00,	3383000.00,	0.00,	0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.00617 AT	(378000.00,	3382000.00,	0.00,	0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.00608 AT	(391000.00,	3390000.00,	0.00,	0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.00552 AT	(370000.00,	3383000.00,	0.00,	0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.00543 AT	(390000.00,	3395000.00,	0.00,	0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.00532 AT	(392000.00,	3400000.00,	0.00,	0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.00493 AT	(390000.00,	3410000.00,	0.00,	0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.00492 AT	(383000.00,	3382000.00,	0.00,	0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.00396 AT	(391000.00,	3417000.00,	0.00,	0.00)	DC	NA

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

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL HIGH 1ST HIGH VALUE IS	0.17155	ON 86081324:	AT (390000.00, 3384000.00, 0.00, 0.00)	DC	NA

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

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
LL HIGH 1ST HIGH VALUE IS	0.51449	ON 86081308:	AT (390000.00, 3384000.00, 0.00, 0.00)	DC	NA

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

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
L HIGH 1ST HIGH VALUE IS	1.16205	ON 86081309:	AT (390000.00, 3384000.00, 0.00, 0.00)	DC	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 3.48476	ON 86081307:	AT (390000.00, 3384000.00, 0.00, 0.00)	DC	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** 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 1812 Informational Message(s)

A Total of 1812 Calm Hours Identified

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

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

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

```
CO STARTING
CO TITLEONE 1987 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK          12/11/98
CO TITLETWO MAXIMUM FUTURE CO EMISSION RATE, PSD CLASS I RECEPTORS
CO MODELOPT DFAULT CONC RURAL NOCMPL
CO AVERTIME  PERIOD  24 8 3 1
CO POLLUTID CO
CO DCAYCOEF    .000000
CO RUNORNOT RUN
CO FINISHED


SO STARTING

** Source Location Cards:
**          SRCID SRCTYP        XS            YS            ZS
** TRS INCINERATOR STACK IS ORIGIN ONLY
** BLEACH PLANT BYPASS STACK
SO LOCATION   BLCHSCRB POINT    434000     3283400         .0

** Source Parameter Cards:
** POINT:   SRCID       QS        HS         TS          VS         DS
** VOLUME:  SRCID       QS        HS       SYINIT      SZINIT
** AREA:    SRCID       QS        HS        XINIT

SO SRCPARAM   BLCHSCRB    8.0         36.0       338.7        9.30        1.22


SO BUILDHGT BLCHSCRB        25.76   25.76   25.76   18.95   21.64   21.64
SO BUILDHGT BLCHSCRB        21.64   25.76   25.76   25.76   25.76   25.76
SO BUILDHGT BLCHSCRB        25.76   25.76   25.76   25.76   25.76   25.76
SO BUILDHGT BLCHSCRB        25.76   25.76   25.76   18.95   21.64   21.49
SO BUILDHGT BLCHSCRB        22.25   25.76   25.76   25.76   25.76   25.76
SO BUILDHGT BLCHSCRB        25.76   25.76   25.76   25.76   25.76   25.76
SO BUILDWID BLCHSCRB       102.55  103.66  101.63   29.38   36.02   35.44
SO BUILDWID BLCHSCRB        37.92  100.84  103.51  103.03   99.42   92.78
SO BUILDWID BLCHSCRB        83.33   71.35   68.68   81.13   91.11   98.33
SO BUILDWID BLCHSCRB       102.55  103.66  101.63   29.38  178.89   97.90
SO BUILDWID BLCHSCRB        90.32  100.84  103.51  103.03   99.42   92.78
SO BUILDWID BLCHSCRB        83.33   71.35   68.68   81.13   91.11   98.33


SO EMISUNIT    .100000E+07 (GRAMS/SEC)          (MICROGRAMS/CUBIC-METER)
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE DISCCART 470500   3459000
RE DISCCART 391000   3417000
RE DISCCART 390000   3410000
RE DISCCART 392000   3400000
RE DISCCART 390000   3395000
RE DISCCART 391000   3390000
RE DISCCART 390000   3384000
RE DISCCART 383000   3382000
RE DISCCART 378000   3382000
RE DISCCART 374000   3383000
RE DISCCART 370000   3383000
RE FINISHED
```

```
E STARTING
ME INPUTFIL S:\MET\GNSPRL87.BIN                    UNFORM
E ANEMHGHT    22.00 FEET
E SURFDATA  12816  1987            JACKSONVILLE
ME UAIRDATA  13861  1987            WAYCROSS
ME WINDCATS    1.50    3.10    5.10    8.20   10.80
E FINISHED

U STARTING
U RECTABLE ALLAVE FIRST
OU FINISHED

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

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** MODEL SETUP OPTIONS SUMMARY ***

*Simple Terrain Model 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 4 Short Term Average(s) of: 24-HR 8-HR 3-HR 1-HR
and Calculates PERIOD Averages

*This Run Includes: 1 Source(s); 1 Source Group(s); and 11 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 PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE 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) = 6.71 ; Decay Coef. = 0.0000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/SEC) ; Emission Rate Unit Factor = 0.10000E+07
Output Units = (MICROGRAMS/CUBIC-METER)

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

*Input Runstream File: COCL1.I87
**Output Print File: COCL1.O87

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
BLCHSCRB	0	0.80000E+01	434000.0	3283400.0	0.0	36.00	338.70	9.30	1.22	YES	

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	BLCHSCRB,

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: BLCHSCRB

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	25.8,	102.6,	0	2	25.8,	103.7,	0	3	25.8,	101.6,	0	4	19.0,	29.4,	0	5	21.6,	36.0,	0	6	21.6,	35.4,	0
7	21.6,	37.9,	0	8	25.8,	100.8,	0	9	25.8,	103.5,	0	10	25.8,	103.0,	0	11	25.8,	99.4,	0	12	25.8,	92.8,	0
13	25.8,	83.3,	0	14	25.8,	71.3,	0	15	25.8,	68.7,	0	16	25.8,	81.1,	0	17	25.8,	91.1,	0	18	25.8,	98.3,	0
19	25.8,	102.6,	0	20	25.8,	103.7,	0	21	25.8,	101.6,	0	22	19.0,	29.4,	0	23	21.6,	178.9,	0	24	21.5,	97.9,	0
25	22.3,	90.3,	0	26	25.8,	100.8,	0	27	25.8,	103.5,	0	28	25.8,	103.0,	0	29	25.8,	99.4,	0	30	25.8,	92.8,	0
31	25.8,	83.3,	0	32	25.8,	71.3,	0	33	25.8,	68.7,	0	34	25.8,	81.1,	0	35	25.8,	91.1,	0	36	25.8,	98.3,	0

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

(	470500.0,	3459000.0,	0.0, 0.0);	(	391000.0,	3417000.0,	0.0, 0.0);
(	390000.0,	3410000.0,	0.0, 0.0);	(	392000.0,	3400000.0,	0.0, 0.0);
(	390000.0,	3395000.0,	0.0, 0.0);	(	391000.0,	3390000.0,	0.0, 0.0);
(	390000.0,	3384000.0,	0.0, 0.0);	(	383000.0,	3382000.0,	0.0, 0.0);
(	378000.0,	3382000.0,	0.0, 0.0);	(	374000.0,	3383000.0,	0.0, 0.0);
(	370000.0,	3383000.0,	0.0, 0.0);				

MODELOPTs: CONC   RURAL FLAT   DFAULT   NOCMPL

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

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

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

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

1.50, 3.10, 5.10, 8.20, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

FILE: S:\MET\GNSPRL87.BIN
FORMAT: UNFORM
SURFACE STATION NO.: 12816 UPPER AIR STATION NO.: 13861
NAME: JACKSONVILLE NAME: WAYCROSS
YEAR: 1987 YEAR: 1987

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)
87	1	1	1	311.0	4.63	292.0	4	356.7	356.7	0.0000	0.0	0.0000	0	0.00
87	1	1	2	348.0	5.14	292.6	4	351.8	351.8	0.0000	0.0	0.0000	0	0.00
87	1	1	3	344.0	6.17	292.6	4	346.9	346.9	0.0000	0.0	0.0000	0	0.00
87	1	1	4	33.0	3.60	293.2	4	342.0	342.0	0.0000	0.0	0.0000	0	0.00
87	1	1	5	33.0	4.12	292.0	4	337.1	337.1	0.0000	0.0	0.0000	0	0.00
87	1	1	6	142.0	4.12	285.4	4	332.2	332.2	0.0000	0.0	0.0000	0	0.00
87	1	1	7	125.0	7.72	283.2	4	327.3	327.3	0.0000	0.0	0.0000	0	0.00
87	1	1	8	123.0	5.14	282.0	4	322.4	322.4	0.0000	0.0	0.0000	0	0.00
87	1	1	9	107.0	6.17	281.5	4	317.5	317.5	0.0000	0.0	0.0000	0	0.00
87	1	1	10	101.0	6.17	281.5	4	312.6	312.6	0.0000	0.0	0.0000	0	0.00
87	1	1	11	114.0	7.20	282.0	4	307.7	307.7	0.0000	0.0	0.0000	0	0.00
87	1	1	12	126.0	6.17	282.6	4	302.8	302.8	0.0000	0.0	0.0000	0	0.00
87	1	1	13	153.0	5.14	282.6	4	297.9	297.9	0.0000	0.0	0.0000	0	0.00
87	1	1	14	139.0	6.17	282.6	4	293.0	293.0	0.0000	0.0	0.0000	0	0.00
87	1	1	15	132.0	7.20	284.3	4	293.0	293.0	0.0000	0.0	0.0000	0	0.00
87	1	1	16	134.0	6.17	284.8	4	293.0	293.0	0.0000	0.0	0.0000	0	0.00
87	1	1	17	121.0	4.12	285.4	4	293.0	293.0	0.0000	0.0	0.0000	0	0.00
87	1	1	18	127.0	2.57	284.3	5	310.1	302.5	0.0000	0.0	0.0000	0	0.00
87	1	1	19	104.0	2.57	281.5	6	353.3	326.6	0.0000	0.0	0.0000	0	0.00
87	1	1	20	117.0	2.57	282.6	6	396.6	350.7	0.0000	0.0	0.0000	0	0.00
87	1	1	21	140.0	7.20	283.7	5	439.8	374.8	0.0000	0.0	0.0000	0	0.00
87	1	1	22	142.0	2.57	282.0	6	483.1	398.8	0.0000	0.0	0.0000	0	0.00
87	1	1	23	140.0	1.00	279.8	7	526.3	422.9	0.0000	0.0	0.0000	0	0.00
87	1	1	24	110.0	2.06	278.7	6	569.5	447.0	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 NOCMPL

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
470500.00	3459000.00	0.00208	391000.00	3417000.00	0.00380
390000.00	3410000.00	0.00414	392000.00	3400000.00	0.00439
390000.00	3395000.00	0.00455	391000.00	3390000.00	0.00497
390000.00	3384000.00	0.00521	383000.00	3382000.00	0.00426
378000.00	3382000.00	0.00424	374000.00	3383000.00	0.00456
370000.00	3383000.00	0.00473			

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.08621c	(87031924)	391000.00	3417000.00	0.08910c	(87020124)
390000.00	3410000.00	0.09824c	(87061524)	392000.00	3400000.00	0.12362c	(87072824)
390000.00	3395000.00	0.11843c	(87090724)	391000.00	3390000.00	0.16889c	(87122524)
390000.00	3384000.00	0.21600c	(87122524)	383000.00	3382000.00	0.11035c	(87041424)
378000.00	3382000.00	0.12536c	(87032624)	374000.00	3383000.00	0.14898c	(87081624)
370000.00	3383000.00	0.15100c	(87112824)				

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.24785	(87031908)	391000.00	3417000.00	0.26303c	(87020124)
390000.00	3410000.00	0.29473c	(87061508)	392000.00	3400000.00	0.41206c	(87072808)
390000.00	3395000.00	0.33844c	(87083008)	391000.00	3390000.00	0.45260c	(87122524)
390000.00	3384000.00	0.61661c	(87122524)	383000.00	3382000.00	0.22619	(87082824)
378000.00	3382000.00	0.28931c	(87112816)	374000.00	3383000.00	0.44693c	(87081608)
370000.00	3383000.00	0.45300c	(87112816)				

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.66095	(87031909)	391000.00	3417000.00	0.50193	(87020203)
390000.00	3410000.00	0.58261c	(87072803)	392000.00	3400000.00	0.82412c	(87072803)
390000.00	3395000.00	0.78969	(87083006)	391000.00	3390000.00	0.90521c	(87122524)
390000.00	3384000.00	1.23322c	(87122524)	383000.00	3382000.00	0.60316	(87082824)
378000.00	3382000.00	0.57863c	(87112815)	374000.00	3383000.00	0.78760c	(87112815)
370000.00	3383000.00	0.90600c	(87112815)				

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	1.94369	(87031907)	391000.00	3417000.00	1.32092	(87020124)
390000.00	3410000.00	1.74784	(87072803)	392000.00	3400000.00	2.47236	(87072803)
390000.00	3395000.00	2.36907	(87083006)	391000.00	3390000.00	2.70891	(87083006)
390000.00	3384000.00	2.03316	(87052024)	383000.00	3382000.00	1.80949	(87082822)
378000.00	3382000.00	1.73588	(87112814)	374000.00	3383000.00	2.36280	(87112814)
370000.00	3383000.00	2.71799	(87112814)				

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00521 AT	390000.00,	3384000.00,	0.00,	0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.00497 AT	391000.00,	3390000.00,	0.00,	0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.00473 AT	370000.00,	3383000.00,	0.00,	0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.00456 AT	374000.00,	3383000.00,	0.00,	0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.00455 AT	390000.00,	3395000.00,	0.00,	0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.00439 AT	392000.00,	3400000.00,	0.00,	0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.00426 AT	383000.00,	3382000.00,	0.00,	0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.00424 AT	378000.00,	3382000.00,	0.00,	0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.00414 AT	390000.00,	3410000.00,	0.00,	0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.00380 AT	391000.00,	3417000.00,	0.00,	0.00)	DC	NA

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

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.21600c	ON 87122524: AT (390000.00, 3384000.00, 0.00, 0.00)	DC	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.61661c	ON 87122524: AT (390000.00, 3384000.00, 0.00, 0.00)	DC	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	1.23322c	ON 87122524: AT (390000.00, 3384000.00, 0.00, 0.00)	DC	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	2.71799	ON 87112814: AT (370000.00, 3383000.00, 0.00, 0.00)	DC	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** Message Summary : ISCST3 Model Execution ***

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

Total of 0 Fatal Error Message(s)
Total of 0 Warning Message(s)
A Total of 2099 Informational Message(s)

Total of 2099 Calm Hours Identified

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

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

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

```
CO STARTING
CO TITLEONE 1988 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK          12/11/98
CO TITLETWO MAXIMUM FUTURE CO EMISSION RATE, PSD CLASS I RECEPTORS
CO MODELOPT DFAULT CONC RURAL NOCMPL
CO AVERTIME  PERIOD  24 8 3 1
CO POLLUTID CO
CO DCAYCOEF    .000000
CO RUNORNOT RUN
CO FINISHED

SO STARTING

SO Source Location Cards:
**          SRCID SRCTYP       XS            YS            ZS
** TRS INCINERATOR STACK IS ORIGIN ONLY
SO BLEACH PLANT BYPASS STACK
SO LOCATION   BLCHSCRB POINT    434000     3283400         .0

SO Source Parameter Cards:
SO POINT:   SRCID       QS        HS         TS          VS         DS
** VOLUME:  SRCID       QS        HS       SYINIT      SZINIT
** AREA:    SRCID       QS        HS        XINIT

SO SRCPARAM   BLCHSCRB    8.0         36.0       338.7        9.30       1.22

SO BUILDHGT BLCHSCRB       25.76   25.76   25.76   18.95   21.64   21.64
SO BUILDHGT BLCHSCRB       21.64   25.76   25.76   25.76   25.76   25.76
SO BUILDHGT BLCHSCRB       25.76   25.76   25.76   25.76   25.76   25.76
SO BUILDHGT BLCHSCRB       25.76   25.76   25.76   18.95   21.64   21.49
SO BUILDHGT BLCHSCRB       22.25   25.76   25.76   25.76   25.76   25.76
SO BUILDHGT BLCHSCRB       25.76   25.76   25.76   25.76   25.76   25.76
SO BUILDWID BLCHSCRB      102.55  103.66  101.63   29.38   36.02   35.44
SO BUILDWID BLCHSCRB       37.92  100.84  103.51  103.03   99.42   92.78
SO BUILDWID BLCHSCRB       83.33   71.35   68.68   81.13   91.11   98.33
SO BUILDWID BLCHSCRB      102.55  103.66  101.63   29.38  178.89   97.90
SO BUILDWID BLCHSCRB       90.32  100.84  103.51  103.03   99.42   92.78
SO BUILDWID BLCHSCRB       83.33   71.35   68.68   81.13   91.11   98.33

SO EMISUNIT    .100000E+07 (GRAMS/SEC)          (MICROGRAMS/CUBIC-METER)
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE DISCCART 470500   3459000
RE DISCCART 391000   3417000
RE DISCCART 390000   3410000
RE DISCCART 392000   3400000
RE DISCCART 390000   3395000
RE DISCCART 391000   3390000
RE DISCCART 390000   3384000
RE DISCCART 383000   3382000
RE DISCCART 378000   3382000
RE DISCCART 374000   3383000
RE DISCCART 370000   3383000
RE FINISHED
```

```
E STARTING
ME INPUTFIL S:\MET\GNSPRL88.BIN                    UNFORM
E ANEMHGHT    22.00 FEET
E SURFDATA  12816  1988            JACKSONVILLE
ME UAIRDATA  13861  1988            WAYCROSS
ME WINDCATS    1.50    3.10    5.10    8.20   10.80
E FINISHED

U STARTING
U RECTABLE ALLAVE FIRST
OU FINISHED

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** MODEL SETUP OPTIONS SUMMARY ***

- -

**Simple Terrain Model 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 4 Short Term Average(s) of: 24-HR 8-HR 3-HR 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 11 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 PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE 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) = 6.71 ; Decay Coef. = 0.0000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/SEC) ; Emission Rate Unit Factor = 0.10000E+07
Output Units = (MICROGRAMS/CUBIC-METER)

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

**Input Runstream File: COCL1.I88
**Output Print File: COCL1.O88

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
BLCHSCRB	0	0.80000E+01	434000.0	3283400.0	0.0	36.00	338.70	9.30	1.22	YES	

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	BLCHSCRB,

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: BLCHSCRB

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	25.8,	102.6,	0	2	25.8,	103.7,	0	3	25.8,	101.6,	0	4	19.0,	29.4,	0	5	21.6,	36.0,	0	6	21.6,	35.4,	0
7	21.6,	37.9,	0	8	25.8,	100.8,	0	9	25.8,	103.5,	0	10	25.8,	103.0,	0	11	25.8,	99.4,	0	12	25.8,	92.8,	0
13	25.8,	83.3,	0	14	25.8,	71.3,	0	15	25.8,	68.7,	0	16	25.8,	81.1,	0	17	25.8,	91.1,	0	18	25.8,	98.3,	0
19	25.8,	102.6,	0	20	25.8,	103.7,	0	21	25.8,	101.6,	0	22	19.0,	29.4,	0	23	21.6,	178.9,	0	24	21.5,	97.9,	0
25	22.3,	90.3,	0	26	25.8,	100.8,	0	27	25.8,	103.5,	0	28	25.8,	103.0,	0	29	25.8,	99.4,	0	30	25.8,	92.8,	0
31	25.8,	83.3,	0	32	25.8,	71.3,	0	33	25.8,	68.7,	0	34	25.8,	81.1,	0	35	25.8,	91.1,	0	36	25.8,	98.3,	0

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

(470500.0,	3459000.0,	0.0,	0.0);	(391000.0,	3417000.0,	0.0,	0.0);
(390000.0,	3410000.0,	0.0,	0.0);	(392000.0,	3400000.0,	0.0,	0.0);
(390000.0,	3395000.0,	0.0,	0.0);	(391000.0,	3390000.0,	0.0,	0.0);
(390000.0,	3384000.0,	0.0,	0.0);	(383000.0,	3382000.0,	0.0,	0.0);
(378000.0,	3382000.0,	0.0,	0.0);	(374000.0,	3383000.0,	0.0,	0.0);
(370000.0,	3383000.0,	0.0,	0.0);				

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

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

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

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

1.50, 3.10, 5.10, 8.20, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

FILE: S:\MET\GNSPRL88.BIN
FORMAT: UNFORM
SURFACE STATION NO.: 12816 UPPER AIR STATION NO.: 13861
NAME: JACKSONVILLE NAME: WAYCROSS
YEAR: 1988 YEAR: 1988

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-O (M)	IPCODE	PRATE (mm/HR)
	1	1	1	321.0	3.09	285.9	6	989.1	128.0	0.0000	0.0	0.0000	0	0.00
88	1	1	2	278.0	2.57	284.8	6	1002.6	128.0	0.0000	0.0	0.0000	0	0.00
	1	1	3	284.0	1.00	284.3	7	1016.1	128.0	0.0000	0.0	0.0000	0	0.00
	1	1	4	283.0	1.00	282.6	7	1029.7	128.0	0.0000	0.0	0.0000	0	0.00
88	1	1	5	283.0	1.00	282.0	7	1043.2	128.0	0.0000	0.0	0.0000	0	0.00
88	1	1	6	282.0	1.00	281.5	7	1056.7	128.0	0.0000	0.0	0.0000	0	0.00
	1	1	7	285.0	1.00	282.6	7	1070.3	128.0	0.0000	0.0	0.0000	0	0.00
88	1	1	8	283.0	1.00	282.6	6	92.8	210.6	0.0000	0.0	0.0000	0	0.00
88	1	1	9	277.0	1.00	285.4	5	271.5	369.6	0.0000	0.0	0.0000	0	0.00
	1	1	10	341.0	3.09	288.7	4	450.2	528.7	0.0000	0.0	0.0000	0	0.00
	1	1	11	344.0	2.57	292.0	3	628.9	687.8	0.0000	0.0	0.0000	0	0.00
88	1	1	12	316.0	5.14	294.3	3	807.6	846.9	0.0000	0.0	0.0000	0	0.00
	1	1	13	343.0	3.60	294.8	2	986.3	1005.9	0.0000	0.0	0.0000	0	0.00
	1	1	14	9.0	3.60	295.9	3	1165.0	1165.0	0.0000	0.0	0.0000	0	0.00
88	1	1	15	42.0	2.57	296.5	3	1165.0	1165.0	0.0000	0.0	0.0000	0	0.00
88	1	1	16	334.0	2.57	296.5	3	1165.0	1165.0	0.0000	0.0	0.0000	0	0.00
	1	1	17	301.0	2.57	295.4	4	1165.0	1165.0	0.0000	0.0	0.0000	0	0.00
88	1	1	18	137.0	1.54	292.6	5	1143.9	1125.6	0.0000	0.0	0.0000	0	0.00
88	1	1	19	144.0	1.00	290.4	6	1090.5	1025.6	0.0000	0.0	0.0000	0	0.00
	1	1	20	137.0	1.00	288.7	6	1037.1	925.7	0.0000	0.0	0.0000	0	0.00
	1	1	21	140.0	1.00	287.6	7	983.7	825.8	0.0000	0.0	0.0000	0	0.00
88	1	1	22	142.0	1.00	286.5	7	930.3	725.9	0.0000	0.0	0.0000	0	0.00
	1	1	23	140.0	1.00	286.5	7	876.9	625.9	0.0000	0.0	0.0000	0	0.00
	1	1	24	140.0	1.00	285.9	7	823.6	526.0	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.

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
470500.00	3459000.00	0.00138	391000.00	3417000.00	0.00255
390000.00	3410000.00	0.00270	392000.00	3400000.00	0.00289
390000.00	3395000.00	0.00268	391000.00	3390000.00	0.00287
390000.00	3384000.00	0.00373	383000.00	3382000.00	0.00442
378000.00	3382000.00	0.00452	374000.00	3383000.00	0.00513
370000.00	3383000.00	0.00583			

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.04215c	(88030424)	391000.00	3417000.00	0.06712c	(88062624)
390000.00	3410000.00	0.12046c	(88062624)	392000.00	3400000.00	0.10371c	(88071524)
390000.00	3395000.00	0.06503c	(88030324)	391000.00	3390000.00	0.07712c	(88030324)
390000.00	3384000.00	0.09778c	(88071724)	383000.00	3382000.00	0.12233c	(88100324)
378000.00	3382000.00	0.26250c	(88100324)	374000.00	3383000.00	0.29872c	(88100324)
370000.00	3383000.00	0.24261c	(88100324)				

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.11655c	(88082024)	391000.00	3417000.00	0.21255c	(88062608)
390000.00	3410000.00	0.38145c	(88062608)	392000.00	3400000.00	0.32300c	(88062608)
390000.00	3395000.00	0.14632	(88030316)	391000.00	3390000.00	0.17351	(88030316)
390000.00	3384000.00	0.23222	(88071724)	383000.00	3382000.00	0.30105c	(88061808)
378000.00	3382000.00	0.72418c	(88100308)	374000.00	3383000.00	0.85544c	(88100308)
370000.00	3383000.00	0.63252c	(88100308)				

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.27195	(88082024)	391000.00	3417000.00	0.42511c	(88062603)
390000.00	3410000.00	0.76290c	(88062603)	392000.00	3400000.00	0.64599c	(88062603)
390000.00	3395000.00	0.33512c	(88030309)	391000.00	3390000.00	0.38837c	(88030309)
390000.00	3384000.00	0.61926	(88071724)	383000.00	3382000.00	0.60210c	(88061803)
378000.00	3382000.00	1.45875	(88100309)	374000.00	3383000.00	1.76069	(88100309)
370000.00	3383000.00	1.44674	(88100309)				

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
470500.00	3459000.00	0.81586	(88082024)	391000.00	3417000.00	1.27532	(88062601)
390000.00	3410000.00	2.28870	(88062601)	392000.00	3400000.00	1.93798	(88062601)
390000.00	3395000.00	1.00535	(88030309)	391000.00	3390000.00	1.16512	(88030309)
390000.00	3384000.00	1.29314	(88030309)	383000.00	3382000.00	1.80629	(88061801)
378000.00	3382000.00	4.34510	(88100308)	374000.00	3383000.00	5.13266	(88100308)
370000.00	3383000.00	3.79514	(88100308)				

*** THE SUMMARY OF MAXIMUM PERIOD (8784 HRS) RESULTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00583 AT (	370000.00,	3383000.00,	0.00,	0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.00513 AT (	374000.00,	3383000.00,	0.00,	0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.00452 AT (	378000.00,	3382000.00,	0.00,	0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.00442 AT (	383000.00,	3382000.00,	0.00,	0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.00373 AT (	390000.00,	3384000.00,	0.00,	0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.00289 AT (	392000.00,	3400000.00,	0.00,	0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.00287 AT (	391000.00,	3390000.00,	0.00,	0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.00270 AT (	390000.00,	3410000.00,	0.00,	0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.00268 AT (	390000.00,	3395000.00,	0.00,	0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.00255 AT (	391000.00,	3417000.00,	0.00,	0.00)	DC	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.29872c	ON 88100324: AT (374000.00, 3383000.00, 0.00, 0.00)	DC	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.85544c	ON 88100308: AT (374000.00, 3383000.00, 0.00, 0.00)	DC	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 1.76069	ON 88100309:	AT (374000.00, 3383000.00, 0.00, 0.00)	DC	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
HIGH 1ST HIGH VALUE IS	5.13266	ON 88100308:	AT (374000.00, 3383000.00, 0.00, 0.00)	DC	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** Message Summary : ISCST3 Model Execution ***

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

Total of 0 Fatal Error Message(s)
Total of 0 Warning Message(s)
A Total of 1844 Informational Message(s)

Total of 1844 Calm Hours Identified

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

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

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

CLASS II AREA
MODELING RUNS

ISCST3 OUTPUT FILE NUMBER 1 :COCL2.084
ISCST3 OUTPUT FILE NUMBER 2 :COCL2.085
ISCST3 OUTPUT FILE NUMBER 3 :COCL2.086
ISCST3 OUTPUT FILE NUMBER 4 :COCL2.087
ISCST3 OUTPUT FILE NUMBER 5 :COCL2.088
First title for last output file is: 1984 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK 12/11/98
Second title for last output file is: MAXIMUM FUTURE CO EMISSION RATE

AVERAGING TIME	YEAR	CONC (ug/m3)	DIR (deg) or X (m)	DIST (m) or Y (m)	PERIOD ENDING (YYMMDDHH)
SOURCE GROUP ID: ALL					
Annual					
	1984	6.738	100.	533.	84123124
	1985	6.828	100.	533.	85123124
	1986	6.369	100.	533.	86123124
	1987	7.167	120.	457.	87123124
	1988	7.782	100.	533.	88123124
HIGH 24-Hour					
	1984	79.821	110.	457.	84111224
	1985	69.070	110.	457.	85040224
	1986	59.717	130.	457.	86122024
	1987	78.812	110.	457.	87011324
	1988	106.513	100.	533.	88121724
HIGH 8-Hour					
	1984	118.835	100.	533.	84090108
	1985	116.316	110.	457.	85053108
	1986	182.216	140.	457.	86110308
	1987	149.893	130.	457.	87081008
	1988	150.503	110.	457.	88112324
HIGH 3-Hour					
	1984	181.370	110.	457.	84082803
	1985	171.537	100.	533.	85012306
	1986	181.853	80.	838.	86010306
	1987	209.522	100.	533.	87093021
	1988	220.062	100.	533.	88121321
HIGH 1-Hour					
	1984	272.434	110.	457.	84082802
	1985	367.398	180.	610.	85101707
	1986	297.660	110.	457.	86062621
	1987	291.293	110.	457.	87061715
	1988	320.543	160.	488.	88101307

All receptor computations reported with respect to a user-specified origin
GRID 0.00 0.00
DISCRETE 0.00 0.00

```
CO STARTING
CO TITLEONE 1984 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK          12/11/98
CO TITLETWO MAXIMUM FUTURE CO EMISSION RATE
CO MODELOPT DFAULT CONC RURAL NOCMPL
CO AVERTIME  PERIOD 24 8 3 1
CO POLLUTID CO
CO DCAYCOEF    .000000
CO RUNORNOT RUN
CO FINISHED

SO STARTING

SO Source Location Cards:
**          SRCID SRCTYP        XS            YS            ZS
** TRS INCINERATOR STACK IS ORIGIN ONLY
SO BLEACH PLANT BYPASS STACK
SO LOCATION   BLCHSCRB POINT       109.3         141.5           .0
SO LOCATION   TRS      POINT         0.0           0.0           .0

SO Source Parameter Cards:
** POINT:   SRCID       QS        HS         TS          VS         DS
** VOLUME:  SRCID       QS        HS       SYINIT      SZINIT
** AREA:    SRCID       QS        HS        XINIT

SO SRCPARAM   BLCHSCRB    8.0         36.0       338.7        9.30        1.22
SO SRCPARAM   TRS         0.00        76.2       533.2       32.03        0.94


SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  18.95  21.64  21.64
SO BUILDHGT BLCHSCRB        21.64  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  18.95  21.64  21.49
SO BUILDHGT BLCHSCRB        22.25  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  25.76  25.76  25.76
SO BUILDWID BLCHSCRB       102.55 103.66 101.63  29.38  36.02  35.44
SO BUILDWID BLCHSCRB        37.92 100.84 103.51 103.03  99.42  92.78
SO BUILDWID BLCHSCRB        83.33  71.35  68.68  81.13  91.11  98.33
SO BUILDWID BLCHSCRB       102.55 103.66 101.63  29.38 178.89  97.90
SO BUILDWID BLCHSCRB        90.32 100.84 103.51 103.03  99.42  92.78
SO BUILDWID BLCHSCRB        83.33  71.35  68.68  81.13  91.11  98.33


SO EMISUNIT    .100000E+07 (GRAMS/SEC)          (MICROGRAMS/CUBIC-METER)
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
** RECEPTOR ORIGIN IS TRS INCINERATOR STACK
RE DISCPOLR TRS    5000.00      10.00
RE DISCPOLR TRS    4500.00      20.00
RE DISCPOLR TRS    5000.00      20.00
RE DISCPOLR TRS    2500.00      30.00
RE DISCPOLR TRS    3000.00      30.00
RE DISCPOLR TRS    3500.00      30.00
RE DISCPOLR TRS    4000.00      30.00
RE DISCPOLR TRS    4500.00      30.00
RE DISCPOLR TRS    5000.00      30.00
RE DISCPOLR TRS    2500.00      40.00
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[redacted] DISCPOLR TRS 3000.00 40.00
[redacted] DISCPOLR TRS 3500.00 40.00
RE DISCPOLR TRS 4000.00 40.00
[redacted] DISCPOLR TRS 4500.00 40.00
[redacted] DISCPOLR TRS 5000.00 40.00
RE DISCPOLR TRS 1500.00 50.00
[redacted] DISCPOLR TRS 2000.00 50.00
[redacted] DISCPOLR TRS 2500.00 50.00
[redacted] DISCPOLR TRS 3000.00 50.00
RE DISCPOLR TRS 3500.00 50.00
[redacted] DISCPOLR TRS 4000.00 50.00
[redacted] DISCPOLR TRS 4500.00 50.00
RE DISCPOLR TRS 5000.00 50.00
[redacted] DISCPOLR TRS 1500.00 60.00
[redacted] DISCPOLR TRS 2000.00 60.00
[redacted] DISCPOLR TRS 2500.00 60.00
[redacted] DISCPOLR TRS 3000.00 60.00
[redacted] DISCPOLR TRS 3500.00 60.00
[redacted] DISCPOLR TRS 4000.00 60.00
RE DISCPOLR TRS 4500.00 60.00
[redacted] DISCPOLR TRS 5000.00 60.00
[redacted] DISCPOLR TRS 1500.00 70.00
RE DISCPOLR TRS 2000.00 70.00
[redacted] DISCPOLR TRS 2500.00 70.00
[redacted] DISCPOLR TRS 3000.00 70.00
[redacted] DISCPOLR TRS 3500.00 70.00
RE DISCPOLR TRS 4000.00 70.00
[redacted] DISCPOLR TRS 4500.00 70.00
[redacted] DISCPOLR TRS 5000.00 70.00
RE DISCPOLR TRS 838.00 80.00
[redacted] DISCPOLR TRS 1100.00 80.00
[redacted] DISCPOLR TRS 1500.00 80.00
RE DISCPOLR TRS 2000.00 80.00
[redacted] DISCPOLR TRS 2500.00 80.00
[redacted] DISCPOLR TRS 3000.00 80.00
[redacted] DISCPOLR TRS 3500.00 80.00
RE DISCPOLR TRS 4000.00 80.00
[redacted] DISCPOLR TRS 4500.00 80.00
[redacted] DISCPOLR TRS 5000.00 80.00
RE DISCPOLR TRS 686.00 90.00
[redacted] DISCPOLR TRS 1100.00 90.00
[redacted] DISCPOLR TRS 1500.00 90.00
[redacted] DISCPOLR TRS 2000.00 90.00
[redacted] DISCPOLR TRS 2500.00 90.00
[redacted] DISCPOLR TRS 3000.00 90.00
[redacted] DISCPOLR TRS 3500.00 90.00
RE DISCPOLR TRS 4000.00 90.00
[redacted] DISCPOLR TRS 4500.00 90.00
[redacted] DISCPOLR TRS 5000.00 90.00
[redacted] DISCPOLR TRS 533.00 100.00
[redacted] DISCPOLR TRS 700.00 100.00
[redacted] DISCPOLR TRS 1100.00 100.00
[redacted] DISCPOLR TRS 1500.00 100.00
RE DISCPOLR TRS 2000.00 100.00
[redacted] DISCPOLR TRS 2500.00 100.00
[redacted] DISCPOLR TRS 3000.00 100.00
RE DISCPOLR TRS 3500.00 100.00
[redacted] DISCPOLR TRS 4000.00 100.00
[redacted] DISCPOLR TRS 4500.00 100.00
RE DISCPOLR TRS 5000.00 100.00

[redacted]

[redacted]	DISCPOLR TRS	457.00	110.00
[redacted]	DISCPOLR TRS	700.00	110.00
RE	DISCPOLR TRS	1100.00	110.00
[redacted]	DISCPOLR TRS	1500.00	110.00
[redacted]	DISCPOLR TRS	2000.00	110.00
RE	DISCPOLR TRS	2500.00	110.00
RE	DISCPOLR TRS	3000.00	110.00
[redacted]	DISCPOLR TRS	3500.00	110.00
[redacted]	DISCPOLR TRS	4000.00	110.00
RE	DISCPOLR TRS	4500.00	110.00
[redacted]	DISCPOLR TRS	5000.00	110.00
[redacted]	DISCPOLR TRS	457.00	120.00
RE	DISCPOLR TRS	700.00	120.00
[redacted]	DISCPOLR TRS	1100.00	120.00
[redacted]	DISCPOLR TRS	1500.00	120.00
[redacted]	DISCPOLR TRS	2000.00	120.00
RE	DISCPOLR TRS	2500.00	120.00
[redacted]	DISCPOLR TRS	3000.00	120.00
[redacted]	DISCPOLR TRS	3500.00	120.00
RE	DISCPOLR TRS	4000.00	120.00
[redacted]	DISCPOLR TRS	4500.00	120.00
[redacted]	DISCPOLR TRS	5000.00	120.00
RE	DISCPOLR TRS	457.00	130.00
[redacted]	DISCPOLR TRS	700.00	130.00
[redacted]	DISCPOLR TRS	1100.00	130.00
[redacted]	DISCPOLR TRS	1500.00	130.00
RE	DISCPOLR TRS	2000.00	130.00
[redacted]	DISCPOLR TRS	2500.00	130.00
[redacted]	DISCPOLR TRS	3000.00	130.00
RE	DISCPOLR TRS	3500.00	130.00
[redacted]	DISCPOLR TRS	4000.00	130.00
[redacted]	DISCPOLR TRS	4500.00	130.00
RE	DISCPOLR TRS	5000.00	130.00
RE	DISCPOLR TRS	457.00	140.00
[redacted]	DISCPOLR TRS	700.00	140.00
[redacted]	DISCPOLR TRS	1100.00	140.00
RE	DISCPOLR TRS	1500.00	140.00
[redacted]	DISCPOLR TRS	2000.00	140.00
[redacted]	DISCPOLR TRS	2500.00	140.00
RE	DISCPOLR TRS	3000.00	140.00
[redacted]	DISCPOLR TRS	3500.00	140.00
[redacted]	DISCPOLR TRS	4000.00	140.00
RE	DISCPOLR TRS	4500.00	140.00
RE	DISCPOLR TRS	5000.00	140.00
[redacted]	DISCPOLR TRS	457.00	150.00
[redacted]	DISCPOLR TRS	700.00	150.00
RE	DISCPOLR TRS	1100.00	150.00
[redacted]	DISCPOLR TRS	1500.00	150.00
[redacted]	DISCPOLR TRS	2000.00	150.00
RE	DISCPOLR TRS	2500.00	150.00
RE	DISCPOLR TRS	3000.00	150.00
[redacted]	DISCPOLR TRS	3500.00	150.00
RE	DISCPOLR TRS	4000.00	150.00
RE	DISCPOLR TRS	4500.00	150.00
[redacted]	DISCPOLR TRS	5000.00	150.00
[redacted]	DISCPOLR TRS	488.00	160.00
RE	DISCPOLR TRS	700.00	160.00
[redacted]	DISCPOLR TRS	1100.00	160.00
[redacted]	DISCPOLR TRS	1500.00	160.00
RE	DISCPOLR TRS	2000.00	160.00

[redacted]

[redacted]	DISCPOLR	TRS	2500.00	160.00
[redacted]	DISCPOLR	TRS	3000.00	160.00
RE	DISCPOLR	TRS	3500.00	160.00
[redacted]	DISCPOLR	TRS	4000.00	160.00
[redacted]	DISCPOLR	TRS	4500.00	160.00
RE	DISCPOLR	TRS	5000.00	160.00
RE	DISCPOLR	TRS	533.00	170.00
[redacted]	DISCPOLR	TRS	700.00	170.00
RE	DISCPOLR	TRS	1100.00	170.00
RE	DISCPOLR	TRS	1500.00	170.00
[redacted]	DISCPOLR	TRS	2000.00	170.00
[redacted]	DISCPOLR	TRS	2500.00	170.00
RE	DISCPOLR	TRS	3000.00	170.00
RE	DISCPOLR	TRS	3500.00	170.00
[redacted]	DISCPOLR	TRS	4000.00	170.00
RE	DISCPOLR	TRS	4500.00	170.00
RE	DISCPOLR	TRS	5000.00	170.00
[redacted]	DISCPOLR	TRS	610.00	180.00
[redacted]	DISCPOLR	TRS	700.00	180.00
RE	DISCPOLR	TRS	1100.00	180.00
[redacted]	DISCPOLR	TRS	1500.00	180.00
[redacted]	DISCPOLR	TRS	2000.00	180.00
RE	DISCPOLR	TRS	2500.00	180.00
RE	DISCPOLR	TRS	3000.00	180.00
[redacted]	DISCPOLR	TRS	3500.00	180.00
RE	DISCPOLR	TRS	4000.00	180.00
RE	DISCPOLR	TRS	4500.00	180.00
[redacted]	DISCPOLR	TRS	5000.00	180.00
[redacted]	DISCPOLR	TRS	750.00	190.00
RE	DISCPOLR	TRS	1100.00	190.00
[redacted]	DISCPOLR	TRS	1500.00	190.00
[redacted]	DISCPOLR	TRS	2000.00	190.00
RE	DISCPOLR	TRS	2500.00	190.00
RE	DISCPOLR	TRS	3000.00	190.00
[redacted]	DISCPOLR	TRS	3500.00	190.00
RE	DISCPOLR	TRS	4000.00	190.00
RE	DISCPOLR	TRS	4500.00	190.00
[redacted]	DISCPOLR	TRS	5000.00	190.00
[redacted]	DISCPOLR	TRS	1829.00	200.00
RE	DISCPOLR	TRS	2000.00	200.00
RE	DISCPOLR	TRS	2500.00	200.00
[redacted]	DISCPOLR	TRS	3000.00	200.00
RE	DISCPOLR	TRS	3500.00	200.00
RE	DISCPOLR	TRS	4000.00	200.00
[redacted]	DISCPOLR	TRS	4500.00	200.00
[redacted]	DISCPOLR	TRS	5000.00	200.00
RE	DISCPOLR	TRS	1829.00	210.00
[redacted]	DISCPOLR	TRS	2000.00	210.00
[redacted]	DISCPOLR	TRS	2500.00	210.00
RE	DISCPOLR	TRS	3000.00	210.00
RE	DISCPOLR	TRS	3500.00	210.00
[redacted]	DISCPOLR	TRS	4000.00	210.00
RE	DISCPOLR	TRS	4500.00	210.00
RE	DISCPOLR	TRS	5000.00	210.00
[redacted]	DISCPOLR	TRS	1981.00	220.00
[redacted]	DISCPOLR	TRS	2000.00	220.00
RE	DISCPOLR	TRS	2500.00	220.00
[redacted]	DISCPOLR	TRS	3000.00	220.00
[redacted]	DISCPOLR	TRS	3500.00	220.00
RE	DISCPOLR	TRS	4000.00	220.00

[redacted]

```
   DISCPOLR TRS    4500.00     220.00
   DISCPOLR TRS    5000.00     220.00
RE DISCPOLR TRS    2134.00     230.00
   DISCPOLR TRS    2500.00     230.00
   DISCPOLR TRS    3000.00     230.00
RE DISCPOLR TRS    3500.00     230.00
   DISCPOLR TRS    4000.00     230.00
   DISCPOLR TRS    4500.00     230.00
RE DISCPOLR TRS    5000.00     230.00
RE DISCPOLR TRS    2438.00     240.00
   DISCPOLR TRS    2500.00     240.00
   DISCPOLR TRS    3000.00     240.00
RE DISCPOLR TRS    3500.00     240.00
   DISCPOLR TRS    4000.00     240.00
   DISCPOLR TRS    4500.00     240.00
RE DISCPOLR TRS    5000.00     240.00
   DISCPOLR TRS    2896.00     250.00
   DISCPOLR TRS    3000.00     250.00
   DISCPOLR TRS    3500.00     250.00
RE DISCPOLR TRS    4000.00     250.00
   DISCPOLR TRS    4500.00     250.00
   DISCPOLR TRS    5000.00     250.00
RE DISCPOLR TRS    3048.00     260.00
   DISCPOLR TRS    3500.00     260.00
   DISCPOLR TRS    4000.00     260.00
RE DISCPOLR TRS    4500.00     260.00
RE DISCPOLR TRS    5000.00     260.00
   DISCPOLR TRS    3658.00     270.00
   DISCPOLR TRS    4000.00     270.00
RE DISCPOLR TRS    4500.00     270.00
   DISCPOLR TRS    5000.00     270.00
   DISCPOLR TRS    3962.00     280.00
RE DISCPOLR TRS    4000.00     280.00
   DISCPOLR TRS    4500.00     280.00
   DISCPOLR TRS    5000.00     280.00
RE DISCPOLR TRS    4572.00     290.00
RE DISCPOLR TRS    5000.00     290.00
   DISCPOLR TRS    5182.00     300.00
   DISCPOLR TRS    4801.00     310.00
RE DISCPOLR TRS    5000.00     310.00
   DISCPOLR TRS    4875.00     320.00
   DISCPOLR TRS    5000.00     320.00
RE DISCPOLR TRS    6000.00     330.00
   DISCPOLR TRS    5500.00     340.00
   DISCPOLR TRS    5250.00     350.00
RE DISCPOLR TRS    5125.00     360.00
RE FINISHED


ME STARTING
   INPUTFIL S:\MET\GNSPRL84.BIN                    UNFORM
   ANEMHGHT    22.00 FEET
ME SURFDATA  12816  1984            JACKSONVILLE
ME UAIRDATA  13861  1984            WAYCROSS
   WINDCATS     1.50     3.10     5.10     8.20    10.80
   FINISHED


   STARTING
OU RECTABLE ALLAVE FIRST


```

FINISHED

** Message Summary For ISC3 Model Setup ***

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

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

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

******** WARNING MESSAGES ********
W320 27 PPARM :Input Parameter May Be Out-of-Range for Parameter QS

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** MODEL SETUP OPTIONS SUMMARY ***

Simple Terrain Model 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 4 Short Term Average(s) of: 24-HR 8-HR 3-HR 1-HR
and Calculates PERIOD Averages

This Run Includes: 2 Source(s); 1 Source Group(s); and 236 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 PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE 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) = 6.71 ; Decay Coef. = 0.0000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/SEC) ; Emission Rate Unit Factor = 0.10000E+07
Output Units = (MICROGRAMS/CUBIC-METER)

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

Input Runstream File: COCL2.184
**Output Print File: COCL2.084

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
BLCHSCRB	0	0.80000E+01	109.3	141.5	0.0	36.00	338.70	9.30	1.22	YES	
TRS	0	0.00000E+00	0.0	0.0	0.0	76.20	533.20	32.03	0.94	NO	

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	BLCHSCRB, TRS ,

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: BLCHSCRB

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	25.8,	102.6,	0	2	25.8,	103.7,	0	3	25.8,	101.6,	0	4	19.0,	29.4,	0	5	21.6,	36.0,	0	6	21.6,	35.4,	0
7	21.6,	37.9,	0	8	25.8,	100.8,	0	9	25.8,	103.5,	0	10	25.8,	103.0,	0	11	25.8,	99.4,	0	12	25.8,	92.8,	0
13	25.8,	83.3,	0	14	25.8,	71.3,	0	15	25.8,	68.7,	0	16	25.8,	81.1,	0	17	25.8,	91.1,	0	18	25.8,	98.3,	0
19	25.8,	102.6,	0	20	25.8,	103.7,	0	21	25.8,	101.6,	0	22	19.0,	29.4,	0	23	21.6,	178.9,	0	24	21.5,	97.9,	0
25	22.3,	90.3,	0	26	25.8,	100.8,	0	27	25.8,	103.5,	0	28	25.8,	103.0,	0	29	25.8,	99.4,	0	30	25.8,	92.8,	0
31	25.8,	83.3,	0	32	25.8,	71.3,	0	33	25.8,	68.7,	0	34	25.8,	81.1,	0	35	25.8,	91.1,	0	36	25.8,	98.3,	0

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	5000.0,	10.0,	0.0,	0.0);	TRS	: (	4500.0,	20.0,	0.0,	0.0);
TRS	: (	5000.0,	20.0,	0.0,	0.0);	TRS	: (	2500.0,	30.0,	0.0,	0.0);
TRS	: (	3000.0,	30.0,	0.0,	0.0);	TRS	: (	3500.0,	30.0,	0.0,	0.0);
TRS	: (	4000.0,	30.0,	0.0,	0.0);	TRS	: (	4500.0,	30.0,	0.0,	0.0);
TRS	: (	5000.0,	30.0,	0.0,	0.0);	TRS	: (	2500.0,	40.0,	0.0,	0.0);
TRS	: (	3000.0,	40.0,	0.0,	0.0);	TRS	: (	3500.0,	40.0,	0.0,	0.0);
TRS	: (	4000.0,	40.0,	0.0,	0.0);	TRS	: (	4500.0,	40.0,	0.0,	0.0);
TRS	: (	5000.0,	40.0,	0.0,	0.0);	TRS	: (	1500.0,	50.0,	0.0,	0.0);
TRS	: (	2000.0,	50.0,	0.0,	0.0);	TRS	: (	2500.0,	50.0,	0.0,	0.0);
TRS	: (	3000.0,	50.0,	0.0,	0.0);	TRS	: (	3500.0,	50.0,	0.0,	0.0);
TRS	: (	4000.0,	50.0,	0.0,	0.0);	TRS	: (	4500.0,	50.0,	0.0,	0.0);
TRS	: (	5000.0,	50.0,	0.0,	0.0);	TRS	: (	1500.0,	60.0,	0.0,	0.0);
TRS	: (	2000.0,	60.0,	0.0,	0.0);	TRS	: (	2500.0,	60.0,	0.0,	0.0);
TRS	: (	3000.0,	60.0,	0.0,	0.0);	TRS	: (	3500.0,	60.0,	0.0,	0.0);
TRS	: (	4000.0,	60.0,	0.0,	0.0);	TRS	: (	4500.0,	60.0,	0.0,	0.0);
TRS	: (	5000.0,	60.0,	0.0,	0.0);	TRS	: (	1500.0,	70.0,	0.0,	0.0);
TRS	: (	2000.0,	70.0,	0.0,	0.0);	TRS	: (	2500.0,	70.0,	0.0,	0.0);
TRS	: (	3000.0,	70.0,	0.0,	0.0);	TRS	: (	3500.0,	70.0,	0.0,	0.0);
TRS	: (	4000.0,	70.0,	0.0,	0.0);	TRS	: (	4500.0,	70.0,	0.0,	0.0);
TRS	: (	5000.0,	70.0,	0.0,	0.0);	TRS	: (	838.0,	80.0,	0.0,	0.0);
TRS	: (	1100.0,	80.0,	0.0,	0.0);	TRS	: (	1500.0,	80.0,	0.0,	0.0);
TRS	: (	2000.0,	80.0,	0.0,	0.0);	TRS	: (	2500.0,	80.0,	0.0,	0.0);
TRS	: (	3000.0,	80.0,	0.0,	0.0);	TRS	: (	3500.0,	80.0,	0.0,	0.0);
TRS	: (	4000.0,	80.0,	0.0,	0.0);	TRS	: (	4500.0,	80.0,	0.0,	0.0);
TRS	: (	5000.0,	80.0,	0.0,	0.0);	TRS	: (	686.0,	90.0,	0.0,	0.0);
TRS	: (	1100.0,	90.0,	0.0,	0.0);	TRS	: (	1500.0,	90.0,	0.0,	0.0);
TRS	: (	2000.0,	90.0,	0.0,	0.0);	TRS	: (	2500.0,	90.0,	0.0,	0.0);
TRS	: (	3000.0,	90.0,	0.0,	0.0);	TRS	: (	3500.0,	90.0,	0.0,	0.0);
TRS	: (	4000.0,	90.0,	0.0,	0.0);	TRS	: (	4500.0,	90.0,	0.0,	0.0);
TRS	: (	5000.0,	90.0,	0.0,	0.0);	TRS	: (	533.0,	100.0,	0.0,	0.0);
TRS	: (	700.0,	100.0,	0.0,	0.0);	TRS	: (	1100.0,	100.0,	0.0,	0.0);
TRS	: (	1500.0,	100.0,	0.0,	0.0);	TRS	: (	2000.0,	100.0,	0.0,	0.0);
TRS	: (	2500.0,	100.0,	0.0,	0.0);	TRS	: (	3000.0,	100.0,	0.0,	0.0);
TRS	: (	3500.0,	100.0,	0.0,	0.0);	TRS	: (	4000.0,	100.0,	0.0,	0.0);
TRS	: (	4500.0,	100.0,	0.0,	0.0);	TRS	: (	5000.0,	100.0,	0.0,	0.0);
TRS	: (	457.0,	110.0,	0.0,	0.0);	TRS	: (	700.0,	110.0,	0.0,	0.0);
TRS	: (	1100.0,	110.0,	0.0,	0.0);	TRS	: (	1500.0,	110.0,	0.0,	0.0);
TRS	: (	2000.0,	110.0,	0.0,	0.0);	TRS	: (	2500.0,	110.0,	0.0,	0.0);
TRS	: (	3000.0,	110.0,	0.0,	0.0);	TRS	: (	3500.0,	110.0,	0.0,	0.0);
TRS	: (	4000.0,	110.0,	0.0,	0.0);	TRS	: (	4500.0,	110.0,	0.0,	0.0);
TRS	: (	5000.0,	110.0,	0.0,	0.0);	TRS	: (	457.0,	120.0,	0.0,	0.0);
TRS	: (	700.0,	120.0,	0.0,	0.0);	TRS	: (	1100.0,	120.0,	0.0,	0.0);
TRS	: (	1500.0,	120.0,	0.0,	0.0);	TRS	: (	2000.0,	120.0,	0.0,	0.0);
TRS	: (	2500.0,	120.0,	0.0,	0.0);	TRS	: (	3000.0,	120.0,	0.0,	0.0);
TRS	: (	3500.0,	120.0,	0.0,	0.0);	TRS	: (	4000.0,	120.0,	0.0,	0.0);

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	4500.0,	120.0,	0.0,	0.0);	TRS	: (	5000.0,	120.0,	0.0,	0.0);
TRS	: (	457.0,	130.0,	0.0,	0.0);	TRS	: (	700.0,	130.0,	0.0,	0.0);
TRS	: (	1100.0,	130.0,	0.0,	0.0);	TRS	: (	1500.0,	130.0,	0.0,	0.0);
TRS	: (	2000.0,	130.0,	0.0,	0.0);	TRS	: (	2500.0,	130.0,	0.0,	0.0);
TRS	: (	3000.0,	130.0,	0.0,	0.0);	TRS	: (	3500.0,	130.0,	0.0,	0.0);
TRS	: (	4000.0,	130.0,	0.0,	0.0);	TRS	: (	4500.0,	130.0,	0.0,	0.0);
TRS	: (	5000.0,	130.0,	0.0,	0.0);	TRS	: (	457.0,	140.0,	0.0,	0.0);
TRS	: (	700.0,	140.0,	0.0,	0.0);	TRS	: (	1100.0,	140.0,	0.0,	0.0);
TRS	: (	1500.0,	140.0,	0.0,	0.0);	TRS	: (	2000.0,	140.0,	0.0,	0.0);
TRS	: (	2500.0,	140.0,	0.0,	0.0);	TRS	: (	3000.0,	140.0,	0.0,	0.0);
TRS	: (	3500.0,	140.0,	0.0,	0.0);	TRS	: (	4000.0,	140.0,	0.0,	0.0);
TRS	: (	4500.0,	140.0,	0.0,	0.0);	TRS	: (	5000.0,	140.0,	0.0,	0.0);
TRS	: (	457.0,	150.0,	0.0,	0.0);	TRS	: (	700.0,	150.0,	0.0,	0.0);
TRS	: (	1100.0,	150.0,	0.0,	0.0);	TRS	: (	1500.0,	150.0,	0.0,	0.0);
TRS	: (	2000.0,	150.0,	0.0,	0.0);	TRS	: (	2500.0,	150.0,	0.0,	0.0);
TRS	: (	3000.0,	150.0,	0.0,	0.0);	TRS	: (	3500.0,	150.0,	0.0,	0.0);
TRS	: (	4000.0,	150.0,	0.0,	0.0);	TRS	: (	4500.0,	150.0,	0.0,	0.0);
TRS	: (	5000.0,	150.0,	0.0,	0.0);	TRS	: (	488.0,	160.0,	0.0,	0.0);
TRS	: (	700.0,	160.0,	0.0,	0.0);	TRS	: (	1100.0,	160.0,	0.0,	0.0);
TRS	: (	1500.0,	160.0,	0.0,	0.0);	TRS	: (	2000.0,	160.0,	0.0,	0.0);
TRS	: (	2500.0,	160.0,	0.0,	0.0);	TRS	: (	3000.0,	160.0,	0.0,	0.0);
TRS	: (	3500.0,	160.0,	0.0,	0.0);	TRS	: (	4000.0,	160.0,	0.0,	0.0);
TRS	: (	4500.0,	160.0,	0.0,	0.0);	TRS	: (	5000.0,	160.0,	0.0,	0.0);
TRS	: (	533.0,	170.0,	0.0,	0.0);	TRS	: (	700.0,	170.0,	0.0,	0.0);
TRS	: (	1100.0,	170.0,	0.0,	0.0);	TRS	: (	1500.0,	170.0,	0.0,	0.0);
TRS	: (	2000.0,	170.0,	0.0,	0.0);	TRS	: (	2500.0,	170.0,	0.0,	0.0);
TRS	: (	3000.0,	170.0,	0.0,	0.0);	TRS	: (	3500.0,	170.0,	0.0,	0.0);
TRS	: (	4000.0,	170.0,	0.0,	0.0);	TRS	: (	4500.0,	170.0,	0.0,	0.0);
TRS	: (	5000.0,	170.0,	0.0,	0.0);	TRS	: (	610.0,	180.0,	0.0,	0.0);
TRS	: (	700.0,	180.0,	0.0,	0.0);	TRS	: (	1100.0,	180.0,	0.0,	0.0);
TRS	: (	1500.0,	180.0,	0.0,	0.0);	TRS	: (	2000.0,	180.0,	0.0,	0.0);
TRS	: (	2500.0,	180.0,	0.0,	0.0);	TRS	: (	3000.0,	180.0,	0.0,	0.0);
TRS	: (	3500.0,	180.0,	0.0,	0.0);	TRS	: (	4000.0,	180.0,	0.0,	0.0);
TRS	: (	4500.0,	180.0,	0.0,	0.0);	TRS	: (	5000.0,	180.0,	0.0,	0.0);
TRS	: (	750.0,	190.0,	0.0,	0.0);	TRS	: (	1100.0,	190.0,	0.0,	0.0);
TRS	: (	1500.0,	190.0,	0.0,	0.0);	TRS	: (	2000.0,	190.0,	0.0,	0.0);
TRS	: (	2500.0,	190.0,	0.0,	0.0);	TRS	: (	3000.0,	190.0,	0.0,	0.0);
TRS	: (	3500.0,	190.0,	0.0,	0.0);	TRS	: (	4000.0,	190.0,	0.0,	0.0);
TRS	: (	4500.0,	190.0,	0.0,	0.0);	TRS	: (	5000.0,	190.0,	0.0,	0.0);
TRS	: (	1829.0,	200.0,	0.0,	0.0);	TRS	: (	2000.0,	200.0,	0.0,	0.0);
TRS	: (	2500.0,	200.0,	0.0,	0.0);	TRS	: (	3000.0,	200.0,	0.0,	0.0);
TRS	: (	3500.0,	200.0,	0.0,	0.0);	TRS	: (	4000.0,	200.0,	0.0,	0.0);
TRS	: (	4500.0,	200.0,	0.0,	0.0);	TRS	: (	5000.0,	200.0,	0.0,	0.0);
TRS	: (	1829.0,	210.0,	0.0,	0.0);	TRS	: (	2000.0,	210.0,	0.0,	0.0);
TRS	: (	2500.0,	210.0,	0.0,	0.0);	TRS	: (	3000.0,	210.0,	0.0,	0.0);

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	3500.0,	210.0,	0.0,	0.0);	TRS	: (	4000.0,	210.0,	0.0, 0.0);
TRS	: (	4500.0,	210.0,	0.0,	0.0);	TRS	: (	5000.0,	210.0,	0.0, 0.0);
TRS	: (	1981.0,	220.0,	0.0,	0.0);	TRS	: (	2000.0,	220.0,	0.0, 0.0);
TRS	: (	2500.0,	220.0,	0.0,	0.0);	TRS	: (	3000.0,	220.0,	0.0, 0.0);
TRS	: (	3500.0,	220.0,	0.0,	0.0);	TRS	: (	4000.0,	220.0,	0.0, 0.0);
TRS	: (	4500.0,	220.0,	0.0,	0.0);	TRS	: (	5000.0,	220.0,	0.0, 0.0);
TRS	: (	2134.0,	230.0,	0.0,	0.0);	TRS	: (	2500.0,	230.0,	0.0, 0.0);
TRS	: (	3000.0,	230.0,	0.0,	0.0);	TRS	: (	3500.0,	230.0,	0.0, 0.0);
TRS	: (	4000.0,	230.0,	0.0,	0.0);	TRS	: (	4500.0,	230.0,	0.0, 0.0);
TRS	: (	5000.0,	230.0,	0.0,	0.0);	TRS	: (	2438.0,	240.0,	0.0, 0.0);
TRS	: (	2500.0,	240.0,	0.0,	0.0);	TRS	: (	3000.0,	240.0,	0.0, 0.0);
TRS	: (	3500.0,	240.0,	0.0,	0.0);	TRS	: (	4000.0,	240.0,	0.0, 0.0);
TRS	: (	4500.0,	240.0,	0.0,	0.0);	TRS	: (	5000.0,	240.0,	0.0, 0.0);
TRS	: (	2896.0,	250.0,	0.0,	0.0);	TRS	: (	3000.0,	250.0,	0.0, 0.0);
TRS	: (	3500.0,	250.0,	0.0,	0.0);	TRS	: (	4000.0,	250.0,	0.0, 0.0);
TRS	: (	4500.0,	250.0,	0.0,	0.0);	TRS	: (	5000.0,	250.0,	0.0, 0.0);
TRS	: (	3048.0,	260.0,	0.0,	0.0);	TRS	: (	3500.0,	260.0,	0.0, 0.0);
TRS	: (	4000.0,	260.0,	0.0,	0.0);	TRS	: (	4500.0,	260.0,	0.0, 0.0);
TRS	: (	5000.0,	260.0,	0.0,	0.0);	TRS	: (	3658.0,	270.0,	0.0, 0.0);
TRS	: (	4000.0,	270.0,	0.0,	0.0);	TRS	: (	4500.0,	270.0,	0.0, 0.0);
TRS	: (	5000.0,	270.0,	0.0,	0.0);	TRS	: (	3962.0,	280.0,	0.0, 0.0);
TRS	: (	4000.0,	280.0,	0.0,	0.0);	TRS	: (	4500.0,	280.0,	0.0, 0.0);
TRS	: (	5000.0,	280.0,	0.0,	0.0);	TRS	: (	4572.0,	290.0,	0.0, 0.0);
TRS	: (	5000.0,	290.0,	0.0,	0.0);	TRS	: (	5182.0,	300.0,	0.0, 0.0);
TRS	: (	4801.0,	310.0,	0.0,	0.0);	TRS	: (	5000.0,	310.0,	0.0, 0.0);
TRS	: (	4875.0,	320.0,	0.0,	0.0);	TRS	: (	5000.0,	320.0,	0.0, 0.0);
TRS	: (	6000.0,	330.0,	0.0,	0.0);	TRS	: (	5500.0,	340.0,	0.0, 0.0);
TRS	: (	5250.0,	350.0,	0.0,	0.0);	TRS	: (	5125.0,	360.0,	0.0, 0.0);

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

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

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

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

1.50, 3.10, 5.10, 8.20, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

FILE: S:\MET\GNSPRL84.BIN
FORMAT: UNFORM
SURFACE STATION NO.: 12816 UPPER AIR STATION NO.: 13861
NAME: JACKSONVILLE NAME: WAYCROSS
YEAR: 1984 YEAR: 1984

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-O (M)	IPCODE	PRATE (mm/HR)
	1	1	1	231.0	2.06	272.0	6	752.0	205.0	0.0000	0.0	0.0000	0	0.00
84	1	1	2	188.0	2.57	272.0	6	752.0	205.0	0.0000	0.0	0.0000	0	0.00
	1	1	3	184.0	2.57	271.5	6	752.0	205.0	0.0000	0.0	0.0000	0	0.00
	1	1	4	203.0	2.57	270.9	6	752.0	205.0	0.0000	0.0	0.0000	0	0.00
84	1	1	5	163.0	2.06	270.4	6	752.0	205.0	0.0000	0.0	0.0000	0	0.00
84	1	1	6	202.0	3.60	270.4	5	752.0	205.0	0.0000	0.0	0.0000	0	0.00
	1	1	7	175.0	2.57	270.4	6	752.0	205.0	0.0000	0.0	0.0000	0	0.00
	1	1	8	193.0	3.60	270.9	5	59.9	248.6	0.0000	0.0	0.0000	0	0.00
84	1	1	9	197.0	3.60	273.7	4	175.2	332.5	0.0000	0.0	0.0000	0	0.00
	1	1	10	211.0	4.12	277.6	3	290.6	416.4	0.0000	0.0	0.0000	0	0.00
	1	1	11	204.0	2.57	280.4	3	405.9	500.3	0.0000	0.0	0.0000	0	0.00
84	1	1	12	206.0	4.12	283.2	3	521.3	584.2	0.0000	0.0	0.0000	0	0.00
	1	1	13	173.0	3.60	284.3	2	636.6	668.1	0.0000	0.0	0.0000	0	0.00
	1	1	14	199.0	3.60	285.9	3	752.0	752.0	0.0000	0.0	0.0000	0	0.00
84	1	1	15	212.0	5.14	285.9	4	752.0	752.0	0.0000	0.0	0.0000	0	0.00
84	1	1	16	234.0	5.66	285.9	4	752.0	752.0	0.0000	0.0	0.0000	0	0.00
	1	1	17	251.0	4.12	284.3	4	752.0	752.0	0.0000	0.0	0.0000	0	0.00
	1	1	18	257.0	3.60	282.0	5	750.9	707.8	0.0000	0.0	0.0000	0	0.00
84	1	1	19	244.0	2.57	279.3	6	748.2	595.6	0.0000	0.0	0.0000	0	0.00
	1	1	20	257.0	2.57	277.6	6	745.4	483.5	0.0000	0.0	0.0000	0	0.00
	1	1	21	240.0	3.60	275.9	5	742.7	371.4	0.0000	0.0	0.0000	0	0.00
84	1	1	22	172.0	2.57	275.9	6	739.9	259.3	0.0000	0.0	0.0000	0	0.00
84	1	1	23	170.0	2.57	275.9	6	737.2	147.1	0.0000	0.0	0.0000	0	0.00
	1	1	24	170.0	2.06	275.9	6	734.4	35.0	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 NOCMPL

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS	5000.00	10.00	0.21768	TRS	4500.00	20.00	0.20169
TRS	5000.00	20.00	0.17160	TRS	2500.00	30.00	0.62538
TRS	3000.00	30.00	0.48350	TRS	3500.00	30.00	0.38940
TRS	4000.00	30.00	0.32287	TRS	4500.00	30.00	0.27370
TRS	5000.00	30.00	0.23608	TRS	2500.00	40.00	0.53555
TRS	3000.00	40.00	0.42447	TRS	3500.00	40.00	0.34858
TRS	4000.00	40.00	0.29369	TRS	4500.00	40.00	0.25240
TRS	5000.00	40.00	0.22034	TRS	1500.00	50.00	0.98386
TRS	2000.00	50.00	0.66331	TRS	2500.00	50.00	0.48847
TRS	3000.00	50.00	0.38059	TRS	3500.00	50.00	0.30800
TRS	4000.00	50.00	0.25634	TRS	4500.00	50.00	0.21797
TRS	5000.00	50.00	0.18847	TRS	1500.00	60.00	1.33293
TRS	2000.00	60.00	0.92740	TRS	2500.00	60.00	0.69207
TRS	3000.00	60.00	0.54242	TRS	3500.00	60.00	0.44003
TRS	4000.00	60.00	0.36642	TRS	4500.00	60.00	0.31141
TRS	5000.00	60.00	0.26895	TRS	1500.00	70.00	1.20098
TRS	2000.00	70.00	0.78739	TRS	2500.00	70.00	0.57552
TRS	3000.00	70.00	0.44779	TRS	3500.00	70.00	0.36268
TRS	4000.00	70.00	0.30220	TRS	4500.00	70.00	0.25723
TRS	5000.00	70.00	0.22259	TRS	838.00	80.00	4.04520
TRS	1100.00	80.00	2.83358	TRS	1500.00	80.00	1.71944
TRS	2000.00	80.00	1.09725	TRS	2500.00	80.00	0.79274
TRS	3000.00	80.00	0.61372	TRS	3500.00	80.00	0.49637
TRS	4000.00	80.00	0.41355	TRS	4500.00	80.00	0.35213
TRS	5000.00	80.00	0.30494	TRS	686.00	90.00	4.73184
TRS	1100.00	90.00	3.20694	TRS	1500.00	90.00	2.18275
TRS	2000.00	90.00	1.42587	TRS	2500.00	90.00	1.01795
TRS	3000.00	90.00	0.77771	TRS	3500.00	90.00	0.62306
TRS	4000.00	90.00	0.51606	TRS	4500.00	90.00	0.43796
TRS	5000.00	90.00	0.37867	TRS	533.00	100.00	6.73836
TRS	700.00	100.00	4.80409	TRS	1100.00	100.00	2.69581
TRS	1500.00	100.00	1.88644	TRS	2000.00	100.00	1.35094
TRS	2500.00	100.00	1.04631	TRS	3000.00	100.00	0.84679
TRS	3500.00	100.00	0.70610	TRS	4000.00	100.00	0.60192
TRS	4500.00	100.00	0.52193	TRS	5000.00	100.00	0.45878
TRS	457.00	110.00	6.66737	TRS	700.00	110.00	5.18835
TRS	1100.00	110.00	3.19265	TRS	1500.00	110.00	2.12105
TRS	2000.00	110.00	1.43370	TRS	2500.00	110.00	1.06613
TRS	3000.00	110.00	0.83766	TRS	3500.00	110.00	0.68189
TRS	4000.00	110.00	0.56961	TRS	4500.00	110.00	0.48553

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS :	5000.00	110.00	0.42069	TRS :	457.00	120.00	5.22930
TRS :	700.00	120.00	4.60656	TRS :	1100.00	120.00	2.93504
TRS :	1500.00	120.00	2.21233	TRS :	2000.00	120.00	1.58175
TRS :	2500.00	120.00	1.20440	TRS :	3000.00	120.00	0.96392
TRS :	3500.00	120.00	0.79796	TRS :	4000.00	120.00	0.67660
TRS :	4500.00	120.00	0.58415	TRS :	5000.00	120.00	0.51158
TRS :	457.00	130.00	4.73927	TRS :	700.00	130.00	3.39272
TRS :	1100.00	130.00	2.55088	TRS :	1500.00	130.00	2.04270
TRS :	2000.00	130.00	1.47328	TRS :	2500.00	130.00	1.10042
TRS :	3000.00	130.00	0.86017	TRS :	3500.00	130.00	0.69688
TRS :	4000.00	130.00	0.58017	TRS :	4500.00	130.00	0.49337
TRS :	5000.00	130.00	0.42674	TRS :	457.00	140.00	5.46960
TRS :	700.00	140.00	3.44158	TRS :	1100.00	140.00	2.01399
TRS :	1500.00	140.00	1.44967	TRS :	2000.00	140.00	1.07664
TRS :	2500.00	140.00	0.85176	TRS :	3000.00	140.00	0.69582
TRS :	3500.00	140.00	0.58161	TRS :	4000.00	140.00	0.49528
TRS :	4500.00	140.00	0.42831	TRS :	5000.00	140.00	0.37522
TRS :	457.00	150.00	5.18402	TRS :	700.00	150.00	3.76810
TRS :	1100.00	150.00	2.49272	TRS :	1500.00	150.00	1.72170
TRS :	2000.00	150.00	1.16495	TRS :	2500.00	150.00	0.86021
TRS :	3000.00	150.00	0.67378	TRS :	3500.00	150.00	0.54896
TRS :	4000.00	150.00	0.45998	TRS :	4500.00	150.00	0.39364
TRS :	5000.00	150.00	0.34245	TRS :	488.00	160.00	4.73847
TRS :	700.00	160.00	3.59029	TRS :	1100.00	160.00	2.45677
TRS :	1500.00	160.00	1.72017	TRS :	2000.00	160.00	1.23212
TRS :	2500.00	160.00	0.95059	TRS :	3000.00	160.00	0.76564
TRS :	3500.00	160.00	0.63481	TRS :	4000.00	160.00	0.53796
TRS :	4500.00	160.00	0.46383	TRS :	5000.00	160.00	0.40560
TRS :	533.00	170.00	4.32616	TRS :	700.00	170.00	3.69801
TRS :	1100.00	170.00	2.50156	TRS :	1500.00	170.00	1.77324
TRS :	2000.00	170.00	1.26886	TRS :	2500.00	170.00	0.97476
TRS :	3000.00	170.00	0.78485	TRS :	3500.00	170.00	0.65265
TRS :	4000.00	170.00	0.55567	TRS :	4500.00	170.00	0.48170
TRS :	5000.00	170.00	0.42356	TRS :	610.00	180.00	3.59181
TRS :	700.00	180.00	3.21596	TRS :	1100.00	180.00	2.16753
TRS :	1500.00	180.00	1.61853	TRS :	2000.00	180.00	1.21151
TRS :	2500.00	180.00	0.95518	TRS :	3000.00	180.00	0.78125
TRS :	3500.00	180.00	0.65599	TRS :	4000.00	180.00	0.56191
TRS :	4500.00	180.00	0.48897	TRS :	5000.00	180.00	0.43096
TRS :	750.00	190.00	2.92263	TRS :	1100.00	190.00	1.98972

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS :	1500.00	190.00	1.43266	TRS :	2000.00	190.00	1.05075
TRS :	2500.00	190.00	0.82233	TRS :	3000.00	190.00	0.67140
TRS :	3500.00	190.00	0.56411	TRS :	4000.00	190.00	0.48411
TRS :	4500.00	190.00	0.42229	TRS :	5000.00	190.00	0.37322
TRS :	1829.00	200.00	1.31161	TRS :	2000.00	200.00	1.18291
TRS :	2500.00	200.00	0.90775	TRS :	3000.00	200.00	0.72797
TRS :	3500.00	200.00	0.60208	TRS :	4000.00	200.00	0.50967
TRS :	4500.00	200.00	0.43935	TRS :	5000.00	200.00	0.38431
TRS :	1829.00	210.00	1.33019	TRS :	2000.00	210.00	1.20378
TRS :	2500.00	210.00	0.92937	TRS :	3000.00	210.00	0.74698
TRS :	3500.00	210.00	0.61794	TRS :	4000.00	210.00	0.52264
TRS :	4500.00	210.00	0.44986	TRS :	5000.00	210.00	0.39275
TRS :	1981.00	220.00	0.96399	TRS :	2000.00	220.00	0.95447
TRS :	2500.00	220.00	0.75199	TRS :	3000.00	220.00	0.61419
TRS :	3500.00	220.00	0.51467	TRS :	4000.00	220.00	0.44013
TRS :	4500.00	220.00	0.38250	TRS :	5000.00	220.00	0.33674
TRS :	2134.00	230.00	0.90728	TRS :	2500.00	230.00	0.76804
TRS :	3000.00	230.00	0.63001	TRS :	3500.00	230.00	0.53022
TRS :	4000.00	230.00	0.45523	TRS :	4500.00	230.00	0.39691
TRS :	5000.00	230.00	0.35043	TRS :	2438.00	240.00	0.78137
TRS :	2500.00	240.00	0.76101	TRS :	3000.00	240.00	0.62525
TRS :	3500.00	240.00	0.52640	TRS :	4000.00	240.00	0.45179
TRS :	4500.00	240.00	0.39366	TRS :	5000.00	240.00	0.34725
TRS :	2896.00	250.00	0.60022	TRS :	3000.00	250.00	0.57587
TRS :	3500.00	250.00	0.47946	TRS :	4000.00	250.00	0.40797
TRS :	4500.00	250.00	0.35300	TRS :	5000.00	250.00	0.30966
TRS :	3048.00	260.00	0.73435	TRS :	3500.00	260.00	0.62781
TRS :	4000.00	260.00	0.53650	TRS :	4500.00	260.00	0.46514
TRS :	5000.00	260.00	0.40825	TRS :	3658.00	270.00	0.71037
TRS :	4000.00	270.00	0.63466	TRS :	4500.00	270.00	0.54618
TRS :	5000.00	270.00	0.47687	TRS :	3962.00	280.00	0.65178
TRS :	4000.00	280.00	0.64378	TRS :	4500.00	280.00	0.55229
TRS :	5000.00	280.00	0.48084	TRS :	4572.00	290.00	0.53621
TRS :	5000.00	290.00	0.47458	TRS :	5182.00	300.00	0.54163
TRS :	4801.00	310.00	0.49503	TRS :	5000.00	310.00	0.46622
TRS :	4875.00	320.00	0.42843	TRS :	5000.00	320.00	0.41270
TRS :	6000.00	330.00	0.25611	TRS :	5500.00	340.00	0.23871
TRS :	5250.00	350.00	0.24963	TRS :	5125.00	360.00	0.26851

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	3.33442	(84062924)	TRS :	4500.00	20.00	3.09465	(84030624)
TRS :	5000.00	20.00	2.64276	(84030624)	TRS :	2500.00	30.00	12.46093	(84062924)
TRS :	3000.00	30.00	10.28012	(84062924)	TRS :	3500.00	30.00	8.68044	(84062924)
TRS :	4000.00	30.00	7.46900	(84062924)	TRS :	4500.00	30.00	6.52271	(84062924)
TRS :	5000.00	30.00	5.76558	(84062924)	TRS :	2500.00	40.00	7.37045c	(84101524)
TRS :	3000.00	40.00	6.37256c	(84101524)	TRS :	3500.00	40.00	5.60632c	(84101524)
TRS :	4000.00	40.00	4.99427c	(84101524)	TRS :	4500.00	40.00	4.49662c	(84101524)
TRS :	5000.00	40.00	4.08291c	(84101524)	TRS :	1500.00	50.00	14.01242	(84042324)
TRS :	2000.00	50.00	10.40736	(84042324)	TRS :	2500.00	50.00	8.03191	(84042324)
TRS :	3000.00	50.00	6.41981	(84042324)	TRS :	3500.00	50.00	5.27372	(84042324)
TRS :	4000.00	50.00	4.42539	(84042324)	TRS :	4500.00	50.00	3.77824	(84042324)
TRS :	5000.00	50.00	3.27210	(84042324)	TRS :	1500.00	60.00	16.41715	(84012524)
TRS :	2000.00	60.00	12.25995	(84012524)	TRS :	2500.00	60.00	9.40839	(84012524)
TRS :	3000.00	60.00	7.45191	(84012524)	TRS :	3500.00	60.00	6.06564	(84012524)
TRS :	4000.00	60.00	5.19469c	(84010624)	TRS :	4500.00	60.00	4.63806c	(84010624)
TRS :	5000.00	60.00	4.17395c	(84010624)	TRS :	1500.00	70.00	12.79192c	(84121024)
TRS :	2000.00	70.00	8.88311c	(84121024)	TRS :	2500.00	70.00	6.43673	(84041824)
TRS :	3000.00	70.00	5.32545	(84041824)	TRS :	3500.00	70.00	4.50972	(84041824)
TRS :	4000.00	70.00	3.88815	(84041824)	TRS :	4500.00	70.00	3.40005	(84041824)
TRS :	5000.00	70.00	3.00768	(84041824)	TRS :	838.00	80.00	32.59026c	(84022324)
TRS :	1100.00	80.00	29.02001	(84041824)	TRS :	1500.00	80.00	19.31196	(84041824)
TRS :	2000.00	80.00	11.67137	(84041824)	TRS :	2500.00	80.00	9.54115c	(84040624)
TRS :	3000.00	80.00	8.08975c	(84040624)	TRS :	3500.00	80.00	6.79470c	(84040624)
TRS :	4000.00	80.00	5.73438c	(84040624)	TRS :	4500.00	80.00	4.88521c	(84040624)
TRS :	5000.00	80.00	4.20578c	(84040624)	TRS :	686.00	90.00	43.23126c	(84050124)
TRS :	1100.00	90.00	32.94385c	(84040724)	TRS :	1500.00	90.00	19.56635c	(84022324)
TRS :	2000.00	90.00	13.17159c	(84022324)	TRS :	2500.00	90.00	9.34621c	(84022324)
TRS :	3000.00	90.00	7.00609c	(84022324)	TRS :	3500.00	90.00	5.66175	(84012824)
TRS :	4000.00	90.00	5.06477	(84012824)	TRS :	4500.00	90.00	4.51399	(84012824)
TRS :	5000.00	90.00	4.02880	(84012824)	TRS :	533.00	100.00	60.81743c	(84091024)
TRS :	700.00	100.00	41.32368	(84022924)	TRS :	1100.00	100.00	27.50439c	(84030224)
TRS :	1500.00	100.00	19.11577c	(84030224)	TRS :	2000.00	100.00	12.24477c	(84030224)
TRS :	2500.00	100.00	10.23978c	(84101524)	TRS :	3000.00	100.00	9.77086c	(84101524)
TRS :	3500.00	100.00	8.53444c	(84101524)	TRS :	4000.00	100.00	7.22858c	(84101524)
TRS :	4500.00	100.00	6.07600c	(84101524)	TRS :	5000.00	100.00	5.11814c	(84101524)
TRS :	457.00	110.00	79.82062c	(84111224)	TRS :	700.00	110.00	61.01451c	(84091024)
TRS :	1100.00	110.00	28.34966c	(84091024)	TRS :	1500.00	110.00	18.33773c	(84010524)
TRS :	2000.00	110.00	12.84751	(84022924)	TRS :	2500.00	110.00	12.30905c	(84031724)
TRS :	3000.00	110.00	11.02228c	(84031724)	TRS :	3500.00	110.00	9.73537c	(84101424)
TRS :	4000.00	110.00	9.14206c	(84101424)	TRS :	4500.00	110.00	8.46712c	(84101424)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	7.79419c	(84101424)	TRS :	457.00	120.00	53.06405c	(84022524)
TRS :	700.00	120.00	50.97360c	(84111224)	TRS :	1100.00	120.00	34.00413c	(84091024)
TRS :	1500.00	120.00	28.31320c	(84091024)	TRS :	2000.00	120.00	19.80745c	(84091024)
TRS :	2500.00	120.00	13.43121c	(84091024)	TRS :	3000.00	120.00	9.74544c	(84081024)
TRS :	3500.00	120.00	8.70376c	(84081024)	TRS :	4000.00	120.00	8.00944c	(84080924)
TRS :	4500.00	120.00	7.41190c	(84080924)	TRS :	5000.00	120.00	6.78594c	(84080924)
TRS :	457.00	130.00	42.37828c	(84112924)	TRS :	700.00	130.00	40.59194c	(84110524)
TRS :	1100.00	130.00	25.24950c	(84022524)	TRS :	1500.00	130.00	22.27195c	(84020124)
TRS :	2000.00	130.00	18.14078c	(84111224)	TRS :	2500.00	130.00	15.95774c	(84111224)
TRS :	3000.00	130.00	13.89763c	(84111224)	TRS :	3500.00	130.00	12.10508c	(84111224)
TRS :	4000.00	130.00	10.58697c	(84111224)	TRS :	4500.00	130.00	9.31251c	(84111224)
TRS :	5000.00	130.00	8.24385c	(84111224)	TRS :	457.00	140.00	53.22352c	(84040124)
TRS :	700.00	140.00	36.28163c	(84062424)	TRS :	1100.00	140.00	19.58394c	(84081724)
TRS :	1500.00	140.00	20.44963c	(84110524)	TRS :	2000.00	140.00	18.49487c	(84110524)
TRS :	2500.00	140.00	14.49086c	(84110524)	TRS :	3000.00	140.00	11.44030c	(84110524)
TRS :	3500.00	140.00	9.35206c	(84110524)	TRS :	4000.00	140.00	7.88407c	(84110524)
TRS :	4500.00	140.00	6.80088c	(84110524)	TRS :	5000.00	140.00	5.96621c	(84110524)
TRS :	457.00	150.00	67.02847c	(84010324)	TRS :	700.00	150.00	35.65871c	(84040124)
TRS :	1100.00	150.00	29.24250c	(84040124)	TRS :	1500.00	150.00	20.50979c	(84040124)
TRS :	2000.00	150.00	15.07362c	(84020724)	TRS :	2500.00	150.00	11.03761c	(84020724)
TRS :	3000.00	150.00	9.61794	(84010724)	TRS :	3500.00	150.00	8.41527	(84010724)
TRS :	4000.00	150.00	7.96206c	(84112924)	TRS :	4500.00	150.00	7.50797c	(84112924)
TRS :	5000.00	150.00	7.00506c	(84112924)	TRS :	488.00	160.00	45.15665	(84053024)
TRS :	700.00	160.00	39.43480c	(84010324)	TRS :	1100.00	160.00	34.10644c	(84010324)
TRS :	1500.00	160.00	21.68968	(84100124)	TRS :	2000.00	160.00	17.08597	(84100124)
TRS :	2500.00	160.00	13.13941	(84100124)	TRS :	3000.00	160.00	10.26925	(84100124)
TRS :	3500.00	160.00	8.59804c	(84040124)	TRS :	4000.00	160.00	7.54709c	(84040124)
TRS :	4500.00	160.00	6.64018c	(84040124)	TRS :	5000.00	160.00	5.87064c	(84040124)
TRS :	533.00	170.00	60.00596	(84053024)	TRS :	700.00	170.00	47.07053	(84053024)
TRS :	1100.00	170.00	25.39741	(84053024)	TRS :	1500.00	170.00	16.76673c	(84110524)
TRS :	2000.00	170.00	14.35662c	(84011624)	TRS :	2500.00	170.00	12.32283c	(84011624)
TRS :	3000.00	170.00	10.46770c	(84011624)	TRS :	3500.00	170.00	8.93527c	(84011624)
TRS :	4000.00	170.00	7.69356c	(84011624)	TRS :	4500.00	170.00	6.68871c	(84011624)
TRS :	5000.00	170.00	5.87000c	(84011624)	TRS :	610.00	180.00	39.00737c	(84053124)
TRS :	700.00	180.00	30.13869c	(84053124)	TRS :	1100.00	180.00	20.38009	(84011424)
TRS :	1500.00	180.00	18.68200	(84053024)	TRS :	2000.00	180.00	16.03618	(84053024)
TRS :	2500.00	180.00	13.34685	(84053024)	TRS :	3000.00	180.00	11.13770	(84053024)
TRS :	3500.00	180.00	9.40008	(84053024)	TRS :	4000.00	180.00	8.03714	(84053024)
TRS :	4500.00	180.00	6.95753	(84053024)	TRS :	5000.00	180.00	6.09124	(84053024)
TRS :	750.00	190.00	31.11892c	(84011324)	TRS :	1100.00	190.00	20.51138c	(84011324)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID		DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID		DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS	:	1500.00	190.00	15.56403c	(84053124)	TRS	:	2000.00	190.00	12.08828c	(84053124)
TRS	:	2500.00	190.00	9.80855c	(84053124)	TRS	:	3000.00	190.00	8.21757c	(84053124)
TRS	:	3500.00	190.00	7.03867c	(84053124)	TRS	:	4000.00	190.00	6.13204c	(84053124)
TRS	:	4500.00	190.00	5.41482c	(84053124)	TRS	:	5000.00	190.00	4.83452c	(84053124)
TRS	:	1829.00	200.00	18.22387c	(84011324)	TRS	:	2000.00	200.00	16.48425c	(84011324)
TRS	:	2500.00	200.00	12.64024c	(84011324)	TRS	:	3000.00	200.00	10.07479c	(84011324)
TRS	:	3500.00	200.00	8.25289c	(84011324)	TRS	:	4000.00	200.00	6.90862c	(84011324)
TRS	:	4500.00	200.00	5.88576c	(84011324)	TRS	:	5000.00	200.00	5.08746c	(84011324)
TRS	:	1829.00	210.00	13.64601	(84102524)	TRS	:	2000.00	210.00	12.95069	(84102524)
TRS	:	2500.00	210.00	11.25159	(84102524)	TRS	:	3000.00	210.00	9.92360	(84102524)
TRS	:	3500.00	210.00	8.85673	(84102524)	TRS	:	4000.00	210.00	7.98075	(84102524)
TRS	:	4500.00	210.00	7.24881	(84102524)	TRS	:	5000.00	210.00	6.62842	(84102524)
TRS	:	1981.00	220.00	11.25692c	(84121524)	TRS	:	2000.00	220.00	11.16915c	(84121524)
TRS	:	2500.00	220.00	9.19451c	(84121524)	TRS	:	3000.00	220.00	7.72680c	(84121524)
TRS	:	3500.00	220.00	6.59829c	(84121524)	TRS	:	4000.00	220.00	5.71692c	(84121524)
TRS	:	4500.00	220.00	5.01372c	(84121524)	TRS	:	5000.00	220.00	4.44240c	(84121524)
TRS	:	2134.00	230.00	11.21928	(84122724)	TRS	:	2500.00	230.00	9.45899	(84122724)
TRS	:	3000.00	230.00	7.68729	(84122724)	TRS	:	3500.00	230.00	6.39524	(84122724)
TRS	:	4000.00	230.00	5.42174	(84122724)	TRS	:	4500.00	230.00	4.69865	(84092424)
TRS	:	5000.00	230.00	4.21308	(84092424)	TRS	:	2438.00	240.00	9.73881	(84122724)
TRS	:	2500.00	240.00	9.48153	(84122724)	TRS	:	3000.00	240.00	7.74763	(84122724)
TRS	:	3500.00	240.00	6.46769	(84122724)	TRS	:	4000.00	240.00	5.49432	(84122724)
TRS	:	4500.00	240.00	4.73550	(84122724)	TRS	:	5000.00	240.00	4.13146	(84122724)
TRS	:	2896.00	250.00	7.39446c	(84011724)	TRS	:	3000.00	250.00	7.11049c	(84011724)
TRS	:	3500.00	250.00	5.95378c	(84011724)	TRS	:	4000.00	250.00	5.06548c	(84011724)
TRS	:	4500.00	250.00	4.36917c	(84011724)	TRS	:	5000.00	250.00	3.81316c	(84011724)
TRS	:	3048.00	260.00	7.93553c	(84011724)	TRS	:	3500.00	260.00	6.81442c	(84011724)
TRS	:	4000.00	260.00	5.83072c	(84011724)	TRS	:	4500.00	260.00	5.05014c	(84011724)
TRS	:	5000.00	260.00	4.42192c	(84011724)	TRS	:	3658.00	270.00	7.22551c	(84121424)
TRS	:	4000.00	270.00	6.49143c	(84061124)	TRS	:	4500.00	270.00	5.75323c	(84061124)
TRS	:	5000.00	270.00	5.11934c	(84061124)	TRS	:	3962.00	280.00	8.16396c	(84052824)
TRS	:	4000.00	280.00	8.07662c	(84052824)	TRS	:	4500.00	280.00	7.17782	(84060724)
TRS	:	5000.00	280.00	6.44420	(84060724)	TRS	:	4572.00	290.00	5.69764c	(84060624)
TRS	:	5000.00	290.00	5.27651c	(84060624)	TRS	:	5182.00	300.00	6.43437c	(84073124)
TRS	:	4801.00	310.00	6.42752c	(84021024)	TRS	:	5000.00	310.00	5.98974c	(84021024)
TRS	:	4875.00	320.00	5.26738c	(84052324)	TRS	:	5000.00	320.00	5.11507c	(84052324)
TRS	:	6000.00	330.00	4.38587c	(84082424)	TRS	:	5500.00	340.00	5.39812c	(84071424)
TRS	:	5250.00	350.00	3.98133c	(84070124)	TRS	:	5125.00	360.00	4.69902c	(84080724)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	8.73069c	(84042708)	TRS :	4500.00	20.00	7.44102c	(84042808)
TRS :	5000.00	20.00	6.61758c	(84042808)	TRS :	2500.00	30.00	20.61942c	(84082008)
TRS :	3000.00	30.00	17.77439c	(84082008)	TRS :	3500.00	30.00	15.54172c	(84082008)
TRS :	4000.00	30.00	13.76916c	(84082008)	TRS :	4500.00	30.00	12.32459c	(84082008)
TRS :	5000.00	30.00	11.12700c	(84082008)	TRS :	2500.00	40.00	16.82348c	(84071824)
TRS :	3000.00	40.00	13.80323c	(84071824)	TRS :	3500.00	40.00	11.67277c	(84101524)
TRS :	4000.00	40.00	10.61220c	(84101524)	TRS :	4500.00	40.00	9.70892c	(84101524)
TRS :	5000.00	40.00	8.92971c	(84101524)	TRS :	1500.00	50.00	26.76895	(84042308)
TRS :	2000.00	50.00	20.02056	(84042308)	TRS :	2500.00	50.00	15.49727	(84042308)
TRS :	3000.00	50.00	12.40630	(84042308)	TRS :	3500.00	50.00	10.20120	(84042308)
TRS :	4000.00	50.00	8.56566	(84042308)	TRS :	4500.00	50.00	7.31636	(84042308)
TRS :	5000.00	50.00	6.33835	(84042308)	TRS :	1500.00	60.00	38.43734	(84012508)
TRS :	2000.00	60.00	29.15809	(84012508)	TRS :	2500.00	60.00	22.63203	(84012508)
TRS :	3000.00	60.00	18.07832	(84012508)	TRS :	3500.00	60.00	14.81304	(84012508)
TRS :	4000.00	60.00	12.39231	(84012508)	TRS :	4500.00	60.00	10.54652	(84012508)
TRS :	5000.00	60.00	9.10500	(84012508)	TRS :	1500.00	70.00	32.76302c	(84121024)
TRS :	2000.00	70.00	22.73960c	(84121024)	TRS :	2500.00	70.00	16.06959c	(84121024)
TRS :	3000.00	70.00	11.86851c	(84121024)	TRS :	3500.00	70.00	9.12106c	(84121024)
TRS :	4000.00	70.00	7.61315	(84041808)	TRS :	4500.00	70.00	6.84967	(84041808)
TRS :	5000.00	70.00	6.19596	(84041808)	TRS :	838.00	80.00	57.56250	(84041808)
TRS :	1100.00	80.00	51.98330	(84041808)	TRS :	1500.00	80.00	34.83436	(84041808)
TRS :	2000.00	80.00	27.08991	(84040624)	TRS :	2500.00	80.00	25.01075	(84040624)
TRS :	3000.00	80.00	21.56427	(84040624)	TRS :	3500.00	80.00	18.28250	(84040624)
TRS :	4000.00	80.00	15.52217	(84040624)	TRS :	4500.00	80.00	13.27915	(84040624)
TRS :	5000.00	80.00	11.46816	(84040624)	TRS :	686.00	90.00	71.48714c	(84101508)
TRS :	1100.00	90.00	76.42992c	(84120308)	TRS :	1500.00	90.00	41.94506	(84030824)
TRS :	2000.00	90.00	28.81393	(84022308)	TRS :	2500.00	90.00	21.10089	(84022308)
TRS :	3000.00	90.00	15.95314	(84022308)	TRS :	3500.00	90.00	12.80747c	(84101424)
TRS :	4000.00	90.00	11.27989c	(84101424)	TRS :	4500.00	90.00	9.94526c	(84101424)
TRS :	5000.00	90.00	8.79572c	(84101424)	TRS :	533.00	100.00	118.83541c	(84090108)
TRS :	700.00	100.00	76.14833c	(84101408)	TRS :	1100.00	100.00	50.21237	(84020508)
TRS :	1500.00	100.00	42.73550	(84012808)	TRS :	2000.00	100.00	28.56137	(84033024)
TRS :	2500.00	100.00	30.71934c	(84101508)	TRS :	3000.00	100.00	29.31259c	(84101508)
TRS :	3500.00	100.00	25.60331c	(84101508)	TRS :	4000.00	100.00	21.68575c	(84101508)
TRS :	4500.00	100.00	18.22800c	(84101508)	TRS :	5000.00	100.00	15.35443c	(84101508)
TRS :	457.00	110.00	95.50285c	(84111224)	TRS :	700.00	110.00	80.47753c	(84031708)
TRS :	1100.00	110.00	74.55529c	(84090108)	TRS :	1500.00	110.00	38.73736c	(84022024)
TRS :	2000.00	110.00	28.95554c	(84022024)	TRS :	2500.00	110.00	27.99582c	(84101408)
TRS :	3000.00	110.00	29.31031c	(84101408)	TRS :	3500.00	110.00	28.58850c	(84101408)
TRS :	4000.00	110.00	26.98056c	(84101408)	TRS :	4500.00	110.00	25.06556c	(84101408)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	23.12095c	(84101408)	TRS :	457.00	120.00	79.09338	(84110524)
TRS :	700.00	120.00	69.26022	(84011116)	TRS :	1100.00	120.00	57.12147c	(84080608)
TRS :	1500.00	120.00	41.30149c	(84020624)	TRS :	2000.00	120.00	35.54775c	(84031708)
TRS :	2500.00	120.00	30.33325c	(84031708)	TRS :	3000.00	120.00	25.08213c	(84080608)
TRS :	3500.00	120.00	24.12803c	(84080608)	TRS :	4000.00	120.00	22.95889c	(84080608)
TRS :	4500.00	120.00	21.63071c	(84080608)	TRS :	5000.00	120.00	20.24949c	(84080608)
TRS :	457.00	130.00	105.64596c	(84112908)	TRS :	700.00	130.00	62.84023	(84110524)
TRS :	1100.00	130.00	52.82800c	(84031324)	TRS :	1500.00	130.00	47.77935	(84020108)
TRS :	2000.00	130.00	30.49586	(84100108)	TRS :	2500.00	130.00	24.94470c	(84120824)
TRS :	3000.00	130.00	22.12741c	(84111224)	TRS :	3500.00	130.00	20.22038c	(84111224)
TRS :	4000.00	130.00	18.07619c	(84111224)	TRS :	4500.00	130.00	16.00164c	(84111224)
TRS :	5000.00	130.00	14.13103c	(84111224)	TRS :	457.00	140.00	91.54675c	(84040108)
TRS :	700.00	140.00	69.22210	(84010724)	TRS :	1100.00	140.00	36.66734	(84070908)
TRS :	1500.00	140.00	32.71048	(84110524)	TRS :	2000.00	140.00	29.64980	(84110524)
TRS :	2500.00	140.00	23.04138	(84110524)	TRS :	3000.00	140.00	18.21401	(84110524)
TRS :	3500.00	140.00	15.05180	(84110524)	TRS :	4000.00	140.00	12.89410	(84110524)
TRS :	4500.00	140.00	11.31687	(84110524)	TRS :	5000.00	140.00	10.09450	(84110524)
TRS :	457.00	150.00	98.09992c	(84010316)	TRS :	700.00	150.00	86.14521	(84100124)
TRS :	1100.00	150.00	60.11439c	(84040108)	TRS :	1500.00	150.00	42.25334c	(84040108)
TRS :	2000.00	150.00	29.95893	(84010724)	TRS :	2500.00	150.00	29.12916	(84010724)
TRS :	3000.00	150.00	26.48152	(84010724)	TRS :	3500.00	150.00	24.14144c	(84112908)
TRS :	4000.00	150.00	23.37759c	(84112908)	TRS :	4500.00	150.00	22.13016c	(84112908)
TRS :	5000.00	150.00	20.69903c	(84112908)	TRS :	488.00	160.00	77.55795c	(84110516)
TRS :	700.00	160.00	61.58148	(84011916)	TRS :	1100.00	160.00	55.54637	(84100124)
TRS :	1500.00	160.00	58.26250	(84100124)	TRS :	2000.00	160.00	47.29841	(84100124)
TRS :	2500.00	160.00	36.77619	(84100124)	TRS :	3000.00	160.00	28.85717	(84100124)
TRS :	3500.00	160.00	23.08115	(84100124)	TRS :	4000.00	160.00	18.83100	(84100124)
TRS :	4500.00	160.00	15.64231	(84100124)	TRS :	5000.00	160.00	13.20056	(84100124)
TRS :	533.00	170.00	109.87396c	(84110516)	TRS :	700.00	170.00	92.62189c	(84110516)
TRS :	1100.00	170.00	51.64367c	(84110516)	TRS :	1500.00	170.00	31.85016	(84101108)
TRS :	2000.00	170.00	27.28527c	(84011616)	TRS :	2500.00	170.00	23.82436c	(84011616)
TRS :	3000.00	170.00	20.38955c	(84011616)	TRS :	3500.00	170.00	17.46456c	(84011616)
TRS :	4000.00	170.00	15.05970c	(84011616)	TRS :	4500.00	170.00	13.09883c	(84011616)
TRS :	5000.00	170.00	12.18675	(84010124)	TRS :	610.00	180.00	73.08158c	(84053124)
TRS :	700.00	180.00	58.56334c	(84053124)	TRS :	1100.00	180.00	46.32707c	(84110516)
TRS :	1500.00	180.00	40.08686c	(84110516)	TRS :	2000.00	180.00	35.41912	(84053008)
TRS :	2500.00	180.00	30.45323	(84053008)	TRS :	3000.00	180.00	25.91236	(84053008)
TRS :	3500.00	180.00	22.16598	(84053008)	TRS :	4000.00	180.00	19.14458	(84053008)
TRS :	4500.00	180.00	16.75127c	(84111324)	TRS :	5000.00	180.00	15.62154c	(84111324)
TRS :	750.00	190.00	60.59539	(84101008)	TRS :	1100.00	190.00	47.89532	(84101008)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	33.23013	(84101008)	TRS :	2000.00	190.00	21.95798	(84091808)
TRS :	2500.00	190.00	17.25954	(84091808)	TRS :	3000.00	190.00	14.02294	(84091808)
TRS :	3500.00	190.00	12.26982c	(84053124)	TRS :	4000.00	190.00	11.13490c	(84053124)
TRS :	4500.00	190.00	10.19414	(84020808)	TRS :	5000.00	190.00	9.44708	(84020808)
TRS :	1829.00	200.00	23.92658c	(84082108)	TRS :	2000.00	200.00	21.66345c	(84082108)
TRS :	2500.00	200.00	18.90515	(84020808)	TRS :	3000.00	200.00	17.16574	(84020808)
TRS :	3500.00	200.00	15.58203	(84020808)	TRS :	4000.00	200.00	14.18833	(84020808)
TRS :	4500.00	200.00	12.97379	(84020808)	TRS :	5000.00	200.00	11.91607	(84020808)
TRS :	1829.00	210.00	34.72967c	(84100708)	TRS :	2000.00	210.00	32.74697c	(84100708)
TRS :	2500.00	210.00	27.96688c	(84100708)	TRS :	3000.00	210.00	24.30715c	(84100708)
TRS :	3500.00	210.00	21.43501c	(84100708)	TRS :	4000.00	210.00	19.12853c	(84100708)
TRS :	4500.00	210.00	17.23564c	(84100708)	TRS :	5000.00	210.00	15.65532c	(84100708)
TRS :	1981.00	220.00	24.87514c	(84121508)	TRS :	2000.00	220.00	24.71206c	(84121508)
TRS :	2500.00	220.00	20.92702c	(84121508)	TRS :	3000.00	220.00	17.96739c	(84121508)
TRS :	3500.00	220.00	15.60388c	(84121508)	TRS :	4000.00	220.00	13.71219c	(84121508)
TRS :	4500.00	220.00	12.17220c	(84121508)	TRS :	5000.00	220.00	10.89963c	(84121508)
TRS :	2134.00	230.00	19.48647	(84121524)	TRS :	2500.00	230.00	16.60242	(84121524)
TRS :	3000.00	230.00	13.64195	(84121524)	TRS :	3500.00	230.00	11.44881	(84121524)
TRS :	4000.00	230.00	9.77739	(84121524)	TRS :	4500.00	230.00	8.47040	(84121524)
TRS :	5000.00	230.00	7.42630	(84121524)	TRS :	2438.00	240.00	14.95029	(84122624)
TRS :	2500.00	240.00	14.56223	(84122624)	TRS :	3000.00	240.00	11.92994	(84122624)
TRS :	3500.00	240.00	9.97412	(84122624)	TRS :	4000.00	240.00	8.48333	(84122624)
TRS :	4500.00	240.00	7.32045	(84122624)	TRS :	5000.00	240.00	6.62191c	(84061024)
TRS :	2896.00	250.00	11.53712c	(84072824)	TRS :	3000.00	250.00	11.09375c	(84072824)
TRS :	3500.00	250.00	9.85189c	(84100324)	TRS :	4000.00	250.00	8.83130c	(84100324)
TRS :	4500.00	250.00	7.94762c	(84100324)	TRS :	5000.00	250.00	7.18628c	(84100324)
TRS :	3048.00	260.00	18.44444	(84011724)	TRS :	3500.00	260.00	15.98963	(84011724)
TRS :	4000.00	260.00	13.77778	(84011724)	TRS :	4500.00	260.00	11.99215	(84011724)
TRS :	5000.00	260.00	10.53865	(84011724)	TRS :	3658.00	270.00	20.09515c	(84061108)
TRS :	4000.00	270.00	18.66997c	(84061108)	TRS :	4500.00	270.00	16.70445c	(84061108)
TRS :	5000.00	270.00	14.94926c	(84061108)	TRS :	3962.00	280.00	19.38942	(84052808)
TRS :	4000.00	280.00	19.18197	(84052808)	TRS :	4500.00	280.00	16.78263	(84052808)
TRS :	5000.00	280.00	14.90728	(84060724)	TRS :	4572.00	290.00	16.59955c	(84080308)
TRS :	5000.00	290.00	14.94360c	(84080308)	TRS :	5182.00	300.00	15.78518c	(84073108)
TRS :	4801.00	310.00	12.59580	(84021308)	TRS :	5000.00	310.00	12.02800c	(84072908)
TRS :	4875.00	320.00	15.18632c	(84070408)	TRS :	5000.00	320.00	14.47497c	(84070408)
TRS :	6000.00	330.00	12.71732c	(84082408)	TRS :	5500.00	340.00	7.91294	(84071424)
TRS :	5250.00	350.00	11.86874c	(84070124)	TRS :	5125.00	360.00	12.33492	(84080724)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	16.11542	(84081806)	TRS :	4500.00	20.00	14.72881	(84072521)
TRS :	5000.00	20.00	13.37364	(84063021)	TRS :	2500.00	30.00	42.95775	(84062921)
TRS :	3000.00	30.00	36.22773	(84062921)	TRS :	3500.00	30.00	31.11432	(84062921)
TRS :	4000.00	30.00	27.15509	(84062921)	TRS :	4500.00	30.00	23.99955	(84062921)
TRS :	5000.00	30.00	21.43255	(84062921)	TRS :	2500.00	40.00	33.64695	(84071821)
TRS :	3000.00	40.00	27.60646	(84071821)	TRS :	3500.00	40.00	23.09907	(84071821)
TRS :	4000.00	40.00	19.64971	(84071821)	TRS :	4500.00	40.00	16.95178	(84071821)
TRS :	5000.00	40.00	14.80041	(84071821)	TRS :	1500.00	50.00	48.36207	(84050409)
TRS :	2000.00	50.00	34.51632	(84020406)	TRS :	2500.00	50.00	26.06333	(84020406)
TRS :	3000.00	50.00	20.48137	(84020406)	TRS :	3500.00	50.00	16.59888	(84020406)
TRS :	4000.00	50.00	13.77520	(84020406)	TRS :	4500.00	50.00	12.44799	(84120918)
TRS :	5000.00	50.00	11.44511	(84120918)	TRS :	1500.00	60.00	73.01810	(84012509)
TRS :	2000.00	60.00	52.95144	(84012509)	TRS :	2500.00	60.00	39.88986	(84012509)
TRS :	3000.00	60.00	31.20437	(84012509)	TRS :	3500.00	60.00	25.17081	(84012509)
TRS :	4000.00	60.00	20.80013	(84012509)	TRS :	4500.00	60.00	17.52670	(84012509)
TRS :	5000.00	60.00	15.00658	(84012509)	TRS :	1500.00	70.00	45.78724	(84021403)
TRS :	2000.00	70.00	34.38725	(84021403)	TRS :	2500.00	70.00	26.85409	(84021403)
TRS :	3000.00	70.00	21.75827	(84021403)	TRS :	3500.00	70.00	18.11695	(84021403)
TRS :	4000.00	70.00	15.41091	(84021403)	TRS :	4500.00	70.00	13.76699	(84041806)
TRS :	5000.00	70.00	12.55372	(84041806)	TRS :	838.00	80.00	122.98342	(84041803)
TRS :	1100.00	80.00	98.11331	(84041803)	TRS :	1500.00	80.00	59.08445	(84041803)
TRS :	2000.00	80.00	47.86300	(84040624)	TRS :	2500.00	80.00	47.56581	(84040624)
TRS :	3000.00	80.00	41.96141	(84040624)	TRS :	3500.00	80.00	35.79129	(84040624)
TRS :	4000.00	80.00	30.36432	(84040624)	TRS :	4500.00	80.00	25.88088	(84040624)
TRS :	5000.00	80.00	22.23936	(84040624)	TRS :	686.00	90.00	142.97429	(84101503)
TRS :	1100.00	90.00	107.12261	(84060221)	TRS :	1500.00	90.00	69.89914	(84060221)
TRS :	2000.00	90.00	39.78469c	(84101424)	TRS :	2500.00	90.00	33.20947c	(84101424)
TRS :	3000.00	90.00	30.42292	(84032124)	TRS :	3500.00	90.00	27.26914	(84032124)
TRS :	4000.00	90.00	24.17947	(84032124)	TRS :	4500.00	90.00	21.47455	(84032124)
TRS :	5000.00	90.00	19.18477	(84032124)	TRS :	533.00	100.00	169.29588	(84092906)
TRS :	700.00	100.00	141.32271	(84012512)	TRS :	1100.00	100.00	78.77885	(84030718)
TRS :	1500.00	100.00	74.56956	(84122221)	TRS :	2000.00	100.00	57.81168	(84033024)
TRS :	2500.00	100.00	61.43869	(84101503)	TRS :	3000.00	100.00	58.62517	(84101503)
TRS :	3500.00	100.00	51.20662	(84101503)	TRS :	4000.00	100.00	43.37150	(84101503)
TRS :	4500.00	100.00	36.45599	(84101503)	TRS :	5000.00	100.00	30.70887	(84101503)
TRS :	457.00	110.00	181.36995c	(84082803)	TRS :	700.00	110.00	152.14792	(84092906)
TRS :	1100.00	110.00	124.74789	(84012512)	TRS :	1500.00	110.00	87.96613	(84012512)
TRS :	2000.00	110.00	55.03348	(84012512)	TRS :	2500.00	110.00	42.45963	(84070906)
TRS :	3000.00	110.00	41.20607c	(84031724)	TRS :	3500.00	110.00	37.87793c	(84031724)
TRS :	4000.00	110.00	33.93980c	(84031724)	TRS :	4500.00	110.00	30.09918c	(84031724)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	26.62685c	(84031724)	TRS :	457.00	120.00	179.19592	(84031318)
TRS :	700.00	120.00	126.99837	(84090915)	TRS :	1100.00	120.00	84.97874	(84011909)
TRS :	1500.00	120.00	76.42245	(84082421)	TRS :	2000.00	120.00	56.08868	(84091321)
TRS :	2500.00	120.00	45.17672c	(84081521)	TRS :	3000.00	120.00	38.51636c	(84081521)
TRS :	3500.00	120.00	37.03442	(84081006)	TRS :	4000.00	120.00	35.34978	(84081006)
TRS :	4500.00	120.00	32.93176	(84081006)	TRS :	5000.00	120.00	30.35245	(84081006)
TRS :	457.00	130.00	154.07326	(84081706)	TRS :	700.00	130.00	112.54358	(84081703)
TRS :	1100.00	130.00	87.08292	(84091109)	TRS :	1500.00	130.00	92.77646	(84020106)
TRS :	2000.00	130.00	49.53051	(84020106)	TRS :	2500.00	130.00	48.81795c	(84082803)
TRS :	3000.00	130.00	49.82331c	(84082803)	TRS :	3500.00	130.00	45.31958c	(84082803)
TRS :	4000.00	130.00	39.36217c	(84082803)	TRS :	4500.00	130.00	33.61473c	(84082803)
TRS :	5000.00	130.00	28.60191c	(84082803)	TRS :	457.00	140.00	172.35069	(84040109)
TRS :	700.00	140.00	97.35431c	(84112903)	TRS :	1100.00	140.00	85.17209	(84081706)
TRS :	1500.00	140.00	72.68027	(84033006)	TRS :	2000.00	140.00	51.88116	(84081703)
TRS :	2500.00	140.00	42.99552	(84081703)	TRS :	3000.00	140.00	31.83023	(84081703)
TRS :	3500.00	140.00	23.30277	(84081703)	TRS :	4000.00	140.00	20.35698	(84020103)
TRS :	4500.00	140.00	18.40185	(84081003)	TRS :	5000.00	140.00	16.92079	(84081003)
TRS :	457.00	150.00	139.05019	(84062403)	TRS :	700.00	150.00	105.35155	(84081709)
TRS :	1100.00	150.00	97.00137	(84040109)	TRS :	1500.00	150.00	69.38873	(84030921)
TRS :	2000.00	150.00	52.62355	(84020703)	TRS :	2500.00	150.00	40.87141	(84020703)
TRS :	3000.00	150.00	40.36525c	(84112903)	TRS :	3500.00	150.00	40.56354c	(84112903)
TRS :	4000.00	150.00	38.53696c	(84112903)	TRS :	4500.00	150.00	35.63935c	(84112903)
TRS :	5000.00	150.00	32.54863c	(84112903)	TRS :	488.00	160.00	132.71590	(84101106)
TRS :	700.00	160.00	144.81908	(84010124)	TRS :	1100.00	160.00	80.61933	(84062403)
TRS :	1500.00	160.00	79.14901	(84100121)	TRS :	2000.00	160.00	51.02501	(84100121)
TRS :	2500.00	160.00	44.87951	(84100124)	TRS :	3000.00	160.00	38.33904	(84100124)
TRS :	3500.00	160.00	32.21634	(84100124)	TRS :	4000.00	160.00	27.09808	(84100124)
TRS :	4500.00	160.00	22.96450	(84100124)	TRS :	5000.00	160.00	20.74418	(84031321)
TRS :	533.00	170.00	132.45230	(84053006)	TRS :	700.00	170.00	108.71173	(84053006)
TRS :	1100.00	170.00	93.04195	(84101106)	TRS :	1500.00	170.00	63.37236	(84101106)
TRS :	2000.00	170.00	44.22280	(84121118)	TRS :	2500.00	170.00	36.12401	(84121118)
TRS :	3000.00	170.00	36.43226	(84010124)	TRS :	3500.00	170.00	36.69951	(84010124)
TRS :	4000.00	170.00	35.75600	(84010124)	TRS :	4500.00	170.00	34.24144	(84010124)
TRS :	5000.00	170.00	32.49800	(84010124)	TRS :	610.00	180.00	109.76862c	(84053121)
TRS :	700.00	180.00	88.06930	(84012009)	TRS :	1100.00	180.00	80.07111	(84110512)
TRS :	1500.00	180.00	64.57471	(84110512)	TRS :	2000.00	180.00	47.13600	(84110512)
TRS :	2500.00	180.00	37.45796c	(84111324)	TRS :	3000.00	180.00	37.63545c	(84111324)
TRS :	3500.00	180.00	36.08210c	(84111324)	TRS :	4000.00	180.00	33.86946c	(84111324)
TRS :	4500.00	180.00	31.49796c	(84111324)	TRS :	5000.00	180.00	29.19050c	(84111324)
TRS :	750.00	190.00	107.86416	(84110409)	TRS :	1100.00	190.00	83.96169	(84090609)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	60.39459	(84090609)	TRS :	2000.00	190.00	41.82858	(84100809)
TRS :	2500.00	190.00	34.91280	(84100809)	TRS :	3000.00	190.00	32.82761	(84012203)
TRS :	3500.00	190.00	30.73610	(84012203)	TRS :	4000.00	190.00	28.53662	(84012203)
TRS :	4500.00	190.00	26.42939	(84012203)	TRS :	5000.00	190.00	24.48643	(84012203)
TRS :	1829.00	200.00	47.75935	(84082103)	TRS :	2000.00	200.00	43.25574	(84082103)
TRS :	2500.00	200.00	33.19987	(84082103)	TRS :	3000.00	200.00	28.85690	(84020803)
TRS :	3500.00	200.00	25.94922	(84020803)	TRS :	4000.00	200.00	23.45066	(84020803)
TRS :	4500.00	200.00	21.30960	(84020803)	TRS :	5000.00	200.00	19.46850	(84020803)
TRS :	1829.00	210.00	54.61045	(84102521)	TRS :	2000.00	210.00	52.41208	(84102521)
TRS :	2500.00	210.00	46.67818	(84102521)	TRS :	3000.00	210.00	41.88559	(84102521)
TRS :	3500.00	210.00	37.86364	(84102521)	TRS :	4000.00	210.00	34.45817	(84102521)
TRS :	4500.00	210.00	31.54688	(84102521)	TRS :	5000.00	210.00	29.03525	(84102521)
TRS :	1981.00	220.00	31.93070	(84121509)	TRS :	2000.00	220.00	31.66256	(84121509)
TRS :	2500.00	220.00	25.66314	(84121509)	TRS :	3000.00	220.00	21.27106	(84121509)
TRS :	3500.00	220.00	17.95994	(84121509)	TRS :	4000.00	220.00	15.40074	(84121509)
TRS :	4500.00	220.00	13.37961	(84121509)	TRS :	5000.00	220.00	11.75348	(84121509)
TRS :	2134.00	230.00	33.00948	(84012303)	TRS :	2500.00	230.00	27.91872	(84012303)
TRS :	3000.00	230.00	23.26287	(84092424)	TRS :	3500.00	230.00	20.93140	(84092424)
TRS :	4000.00	230.00	19.02934	(84092424)	TRS :	4500.00	230.00	17.41178	(84092424)
TRS :	5000.00	230.00	16.02004	(84092424)	TRS :	2438.00	240.00	22.46077	(84011403)
TRS :	2500.00	240.00	21.85115	(84011403)	TRS :	3000.00	240.00	17.75955	(84011403)
TRS :	3500.00	240.00	15.09226	(84110306)	TRS :	4000.00	240.00	14.04550	(84110306)
TRS :	4500.00	240.00	13.06316	(84110306)	TRS :	5000.00	240.00	12.16041	(84110306)
TRS :	2896.00	250.00	23.35941	(84102421)	TRS :	3000.00	250.00	22.75477	(84102421)
TRS :	3500.00	250.00	20.16856	(84102421)	TRS :	4000.00	250.00	18.03672	(84102421)
TRS :	4500.00	250.00	16.23804	(84102421)	TRS :	5000.00	250.00	14.72471	(84102421)
TRS :	3048.00	260.00	30.65405	(84011724)	TRS :	3500.00	260.00	26.93445	(84011724)
TRS :	4000.00	260.00	23.47365	(84011724)	TRS :	4500.00	260.00	20.61355	(84011724)
TRS :	5000.00	260.00	18.24516	(84011724)	TRS :	3658.00	270.00	39.17477c	(84061103)
TRS :	4000.00	270.00	36.29370c	(84061103)	TRS :	4500.00	270.00	32.34716c	(84061103)
TRS :	5000.00	270.00	28.84520c	(84061103)	TRS :	3962.00	280.00	38.63018	(84082924)
TRS :	4000.00	280.00	38.25918	(84082924)	TRS :	4500.00	280.00	33.58415	(84082924)
TRS :	5000.00	280.00	29.44171	(84082924)	TRS :	4572.00	290.00	28.89468	(84060824)
TRS :	5000.00	290.00	25.70061	(84060824)	TRS :	5182.00	300.00	19.59396	(84073109)
TRS :	4801.00	310.00	25.11510	(84072903)	TRS :	5000.00	310.00	24.05601	(84072903)
TRS :	4875.00	320.00	21.56027	(84041703)	TRS :	5000.00	320.00	21.13407	(84041703)
TRS :	6000.00	330.00	18.24483c	(84050624)	TRS :	5500.00	340.00	18.22125c	(84072909)
TRS :	5250.00	350.00	18.51488	(84050806)	TRS :	5125.00	360.00	26.73943	(84080724)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	48.34624	(84081805)	TRS :	4500.00	20.00	43.49814	(84063021)
TRS :	5000.00	20.00	40.12091	(84063021)	TRS :	2500.00	30.00	87.60358	(84060419)
TRS :	3000.00	30.00	69.97299	(84081906)	TRS :	3500.00	30.00	59.47627	(84062903)
TRS :	4000.00	30.00	51.90136	(84062903)	TRS :	4500.00	30.00	45.82502	(84062903)
TRS :	5000.00	30.00	40.86213	(84062903)	TRS :	2500.00	40.00	60.24300	(84022222)
TRS :	3000.00	40.00	50.09480	(84022222)	TRS :	3500.00	40.00	42.36555	(84022222)
TRS :	4000.00	40.00	36.36451	(84022222)	TRS :	4500.00	40.00	31.61638	(84022222)
TRS :	5000.00	40.00	29.00213	(84101519)	TRS :	1500.00	50.00	89.05672	(84020405)
TRS :	2000.00	50.00	67.41895	(84020405)	TRS :	2500.00	50.00	53.73982	(84120918)
TRS :	3000.00	50.00	49.20820	(84120918)	TRS :	3500.00	50.00	44.71075	(84120918)
TRS :	4000.00	50.00	40.75670	(84120918)	TRS :	4500.00	50.00	37.31621	(84120918)
TRS :	5000.00	50.00	34.31323	(84120918)	TRS :	1500.00	60.00	110.05464	(84081718)
TRS :	2000.00	60.00	82.85787	(84081718)	TRS :	2500.00	60.00	65.64097	(84071818)
TRS :	3000.00	60.00	54.51656	(84071818)	TRS :	3500.00	60.00	47.27600	(84081807)
TRS :	4000.00	60.00	43.20684	(84081807)	TRS :	4500.00	60.00	39.57544	(84081807)
TRS :	5000.00	60.00	36.36464	(84081807)	TRS :	1500.00	70.00	125.04070	(84072914)
TRS :	2000.00	70.00	91.73226	(84072914)	TRS :	2500.00	70.00	69.16373	(84072914)
TRS :	3000.00	70.00	54.13681	(84072914)	TRS :	3500.00	70.00	43.79881	(84072914)
TRS :	4000.00	70.00	37.41561	(84062121)	TRS :	4500.00	70.00	33.63559	(84062121)
TRS :	5000.00	70.00	30.34027	(84062121)	TRS :	838.00	80.00	243.89932	(84080718)
TRS :	1100.00	80.00	211.12495	(84080718)	TRS :	1500.00	80.00	148.80560	(84041801)
TRS :	2000.00	80.00	106.39895	(84121108)	TRS :	2500.00	80.00	85.75362	(84121108)
TRS :	3000.00	80.00	70.02246	(84121108)	TRS :	3500.00	80.00	58.56011	(84121108)
TRS :	4000.00	80.00	51.03158	(84040623)	TRS :	4500.00	80.00	44.96922	(84040623)
TRS :	5000.00	80.00	41.51201	(84061903)	TRS :	686.00	90.00	256.46841	(84091118)
TRS :	1100.00	90.00	188.51714	(84011821)	TRS :	1500.00	90.00	151.04033	(84012720)
TRS :	2000.00	90.00	90.63889	(84051502)	TRS :	2500.00	90.00	73.56104	(84010507)
TRS :	3000.00	90.00	71.82901	(84101422)	TRS :	3500.00	90.00	68.66413	(84101422)
TRS :	4000.00	90.00	62.95133	(84101422)	TRS :	4500.00	90.00	56.73177	(84101422)
TRS :	5000.00	90.00	50.82899	(84101422)	TRS :	533.00	100.00	254.70728	(84092905)
TRS :	700.00	100.00	251.26266	(84081019)	TRS :	1100.00	100.00	176.84314	(84111623)
TRS :	1500.00	100.00	137.13229	(84091319)	TRS :	2000.00	100.00	127.57687	(84082222)
TRS :	2500.00	100.00	105.39057	(84033024)	TRS :	3000.00	100.00	97.12869	(84101503)
TRS :	3500.00	100.00	85.20465	(84101503)	TRS :	4000.00	100.00	72.41080	(84101503)
TRS :	4500.00	100.00	61.02917	(84101503)	TRS :	5000.00	100.00	58.43167	(84070902)
TRS :	457.00	110.00	272.43423	(84082802)	TRS :	700.00	110.00	246.90364	(84081519)
TRS :	1100.00	110.00	190.74432	(84052417)	TRS :	1500.00	110.00	146.28229	(84081019)
TRS :	2000.00	110.00	127.51997	(84061422)	TRS :	2500.00	110.00	111.25942	(84070904)
TRS :	3000.00	110.00	93.20560	(84042502)	TRS :	3500.00	110.00	84.37504	(84042502)
TRS :	4000.00	110.00	73.11076	(84042502)	TRS :	4500.00	110.00	62.38910	(84042502)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	55.67234	(84082421)	TRS :	457.00	120.00	265.40805	(84081003)
TRS :	700.00	120.00	254.43872	(84081819)	TRS :	1100.00	120.00	182.15593	(84101717)
TRS :	1500.00	120.00	153.30856	(84082420)	TRS :	2000.00	120.00	105.89408	(84091320)
TRS :	2500.00	120.00	107.81224	(84082804)	TRS :	3000.00	120.00	90.10912	(84082804)
TRS :	3500.00	120.00	70.22430	(84082804)	TRS :	4000.00	120.00	63.12679	(84083119)
TRS :	4500.00	120.00	57.07211	(84083119)	TRS :	5000.00	120.00	51.43274	(84083119)
TRS :	457.00	130.00	261.15518	(84101317)	TRS :	700.00	130.00	247.66727	(84062213)
TRS :	1100.00	130.00	173.11613	(84062224)	TRS :	1500.00	130.00	134.23933	(84020105)
TRS :	2000.00	130.00	116.94859	(84120822)	TRS :	2500.00	130.00	94.62702	(84060120)
TRS :	3000.00	130.00	76.17393	(84060120)	TRS :	3500.00	130.00	68.02077	(84082802)
TRS :	4000.00	130.00	59.07635	(84082802)	TRS :	4500.00	130.00	54.09472	(84042504)
TRS :	5000.00	130.00	50.04631	(84042504)	TRS :	457.00	140.00	254.10970	(84012516)
TRS :	700.00	140.00	234.59241	(84073014)	TRS :	1100.00	140.00	172.08716	(84071913)
TRS :	1500.00	140.00	126.04961	(84070907)	TRS :	2000.00	140.00	100.78892	(84031306)
TRS :	2500.00	140.00	87.02851	(84060405)	TRS :	3000.00	140.00	75.73274	(84062324)
TRS :	3500.00	140.00	67.79261	(84062324)	TRS :	4000.00	140.00	59.03508	(84081003)
TRS :	4500.00	140.00	55.20554	(84081003)	TRS :	5000.00	140.00	50.76236	(84081003)
TRS :	457.00	150.00	262.43747	(84031718)	TRS :	700.00	150.00	219.47331	(84042817)
TRS :	1100.00	150.00	175.70822	(84070117)	TRS :	1500.00	150.00	137.91777	(84051106)
TRS :	2000.00	150.00	117.42471	(84081523)	TRS :	2500.00	150.00	105.57922	(84081523)
TRS :	3000.00	150.00	82.77618	(84081523)	TRS :	3500.00	150.00	79.19544	(84070903)
TRS :	4000.00	150.00	75.52454	(84070903)	TRS :	4500.00	150.00	70.05074	(84070903)
TRS :	5000.00	150.00	64.12393	(84070903)	TRS :	488.00	160.00	252.14886	(84081708)
TRS :	700.00	160.00	222.09526	(84082019)	TRS :	1100.00	160.00	174.14307	(84031718)
TRS :	1500.00	160.00	154.50023	(84041011)	TRS :	2000.00	160.00	135.66136	(84041011)
TRS :	2500.00	160.00	111.92713	(84041011)	TRS :	3000.00	160.00	92.21552	(84041011)
TRS :	3500.00	160.00	77.06639	(84041011)	TRS :	4000.00	160.00	65.49780	(84041011)
TRS :	4500.00	160.00	56.54688	(84041011)	TRS :	5000.00	160.00	49.49804	(84070802)
TRS :	533.00	170.00	223.22644	(84081018)	TRS :	700.00	170.00	239.39981	(84081018)
TRS :	1100.00	170.00	165.82965	(84121117)	TRS :	1500.00	170.00	139.81050	(84021719)
TRS :	2000.00	170.00	111.31253	(84021719)	TRS :	2500.00	170.00	85.87168	(84061406)
TRS :	3000.00	170.00	77.66970	(84061406)	TRS :	3500.00	170.00	68.84095	(84061406)
TRS :	4000.00	170.00	60.80108	(84061406)	TRS :	4500.00	170.00	53.84029	(84061406)
TRS :	5000.00	170.00	47.90906	(84061406)	TRS :	610.00	180.00	267.27444	(84012008)
TRS :	700.00	180.00	243.58804	(84012008)	TRS :	1100.00	180.00	172.62593	(84042818)
TRS :	1500.00	180.00	130.77620	(84030319)	TRS :	2000.00	180.00	107.08022	(84030319)
TRS :	2500.00	180.00	102.38663	(84082104)	TRS :	3000.00	180.00	92.76002	(84082104)
TRS :	3500.00	180.00	82.14256	(84082104)	TRS :	4000.00	180.00	72.35629	(84082104)
TRS :	4500.00	180.00	67.34734	(84082024)	TRS :	5000.00	180.00	62.66277	(84082024)
TRS :	750.00	190.00	249.04419	(84050906)	TRS :	1100.00	190.00	169.48763	(84050906)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	151.02010	(84100807)	TRS :	2000.00	190.00	125.48499	(84100807)
TRS :	2500.00	190.00	104.73788	(84100807)	TRS :	3000.00	190.00	88.63831	(84100807)
TRS :	3500.00	190.00	76.21452	(84100807)	TRS :	4000.00	190.00	66.52392	(84100807)
TRS :	4500.00	190.00	58.83654	(84100807)	TRS :	5000.00	190.00	52.63521	(84100807)
TRS :	1829.00	200.00	110.36402	(84020802)	TRS :	2000.00	200.00	107.04328	(84020802)
TRS :	2500.00	200.00	96.52027	(84020802)	TRS :	3000.00	200.00	86.57071	(84020802)
TRS :	3500.00	200.00	77.84766	(84020802)	TRS :	4000.00	200.00	70.35197	(84020802)
TRS :	4500.00	200.00	63.92879	(84020802)	TRS :	5000.00	200.00	58.40551	(84020802)
TRS :	1829.00	210.00	101.31376	(84082310)	TRS :	2000.00	210.00	92.17496	(84082310)
TRS :	2500.00	210.00	80.46072	(84102505)	TRS :	3000.00	210.00	71.45925	(84102505)
TRS :	3500.00	210.00	64.11625	(84102505)	TRS :	4000.00	210.00	58.02443	(84102505)
TRS :	4500.00	210.00	52.89597	(84102505)	TRS :	5000.00	210.00	48.52389	(84102505)
TRS :	1981.00	220.00	60.09977	(84121508)	TRS :	2000.00	220.00	59.61934	(84121508)
TRS :	2500.00	220.00	51.27773	(84011608)	TRS :	3000.00	220.00	45.28666	(84011608)
TRS :	3500.00	220.00	39.86530	(84011608)	TRS :	4000.00	220.00	35.22462	(84011608)
TRS :	4500.00	220.00	31.29713	(84011608)	TRS :	5000.00	220.00	27.97626	(84011608)
TRS :	2134.00	230.00	58.20345	(84011503)	TRS :	2500.00	230.00	50.87510	(84082119)
TRS :	3000.00	230.00	43.04067	(84082119)	TRS :	3500.00	230.00	38.17810	(84092919)
TRS :	4000.00	230.00	34.28339	(84092919)	TRS :	4500.00	230.00	31.00548	(84092919)
TRS :	5000.00	230.00	28.21593	(84092919)	TRS :	2438.00	240.00	58.17993	(84101509)
TRS :	2500.00	240.00	56.73600	(84101509)	TRS :	3000.00	240.00	47.61424	(84122317)
TRS :	3500.00	240.00	41.73103	(84042023)	TRS :	4000.00	240.00	39.21262	(84042023)
TRS :	4500.00	240.00	36.78588	(84042023)	TRS :	5000.00	240.00	34.49257	(84042023)
TRS :	2896.00	250.00	55.98299	(84011702)	TRS :	3000.00	250.00	54.24648	(84011702)
TRS :	3500.00	250.00	46.81616	(84011702)	TRS :	4000.00	250.00	40.73823	(84011702)
TRS :	4500.00	250.00	35.75757	(84011702)	TRS :	5000.00	250.00	31.64692	(84011702)
TRS :	3048.00	260.00	82.37934	(84072604)	TRS :	3500.00	260.00	68.21816	(84072604)
TRS :	4000.00	260.00	59.90318	(84072917)	TRS :	4500.00	260.00	54.32999	(84072917)
TRS :	5000.00	260.00	49.68422	(84072917)	TRS :	3658.00	270.00	64.53754	(84061103)
TRS :	4000.00	270.00	60.29688	(84061103)	TRS :	4500.00	270.00	54.14540	(84061103)
TRS :	5000.00	270.00	48.47752	(84061103)	TRS :	3962.00	280.00	69.77495	(84073105)
TRS :	4000.00	280.00	68.87211	(84073105)	TRS :	4500.00	280.00	58.00871	(84073105)
TRS :	5000.00	280.00	49.79937	(84082924)	TRS :	4572.00	290.00	68.93259	(84060602)
TRS :	5000.00	290.00	64.13499	(84060602)	TRS :	5182.00	300.00	49.33305	(84102219)
TRS :	4801.00	310.00	66.77200	(84060705)	TRS :	5000.00	310.00	64.73159	(84060705)
TRS :	4875.00	320.00	64.68082	(84041703)	TRS :	5000.00	320.00	63.40221	(84041703)
TRS :	6000.00	330.00	54.73449	(84050622)	TRS :	5500.00	340.00	54.66375	(84072909)
TRS :	5250.00	350.00	55.44554	(84050306)	TRS :	5125.00	360.00	59.53683	(84080723)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE SUMMARY OF MAXIMUM PERIOD (8784 HRS) RESULTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	6.73836 AT (	524.90,	-92.55,	0.00,	0.00)	DP	NA
	2ND HIGHEST VALUE IS	6.66737 AT (	429.44,	-156.30,	0.00,	0.00)	DP	NA
	3RD HIGHEST VALUE IS	5.46960 AT (	293.75,	-350.08,	0.00,	0.00)	DP	NA
	4TH HIGHEST VALUE IS	5.22930 AT (	395.77,	-228.50,	0.00,	0.00)	DP	NA
	5TH HIGHEST VALUE IS	5.18835 AT (	657.78,	-239.41,	0.00,	0.00)	DP	NA
	6TH HIGHEST VALUE IS	5.18402 AT (	228.50,	-395.77,	0.00,	0.00)	DP	NA
	7TH HIGHEST VALUE IS	4.80409 AT (	689.37,	-121.55,	0.00,	0.00)	DP	NA
	8TH HIGHEST VALUE IS	4.73927 AT (	350.08,	-293.75,	0.00,	0.00)	DP	NA
	9TH HIGHEST VALUE IS	4.73847 AT (	166.91,	-458.57,	0.00,	0.00)	DP	NA
	10TH HIGHEST VALUE IS	4.73184 AT (	686.00,	0.00,	0.00,	0.00)	DP	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	79.82062c	ON 84111224: AT (429.44, -156.30, 0.00, 0.00)	DP	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	118.83541c	ON 84090108: AT (524.90, -92.55, 0.00, 0.00)	DP	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	181.36995c	ON 84082803: AT (429.44, -156.30, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	272.43423	ON 84082802: AT (429.44, -156.30, 0.00, 0.00)	DP	NA

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

**MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** Message Summary : ISCST3 Model Execution ***

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

Total of 0 Fatal Error Message(s)
Total of 1 Warning Message(s)
A Total of 1992 Informational Message(s)

Total of 1992 Calm Hours Identified

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

******** WARNING MESSAGES ********
SO W320 27 PPARM :Input Parameter May Be Out-of-Range for Parameter QS

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

```
CO STARTING
CO TITLEONE 1985 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK          12/11/98
CO TITLETWO MAXIMUM FUTURE CO EMISSION RATE
CO MODELOPT DFAULT CONC RURAL NOCMPL
CO AVERTIME PERIOD 24 8 3 1
CO POLLUTID CO
CO DCAYCOEF    .000000
CO RUNORNOT RUN
CO FINISHED


SO STARTING

SO Source Location Cards:
**          SRCID SRCTYP        XS            YS            ZS
** TRS INCINERATOR STACK IS ORIGIN ONLY
SO BLEACH PLANT BYPASS STACK
SO LOCATION   BLCHSCRB POINT       109.3         141.5           .0
SO LOCATION   TRS      POINT         0.0           0.0           .0

SO Source Parameter Cards:
** POINT:   SRCID       QS        HS         TS          VS         DS
** VOLUME:  SRCID       QS        HS       SYINIT      SZINIT
** AREA:    SRCID       QS        HS       XINIT

SO SRCPARAM   BLCHSCRB    8.0         36.0       338.7        9.30       1.22
SO SRCPARAM   TRS         0.00        76.2       533.2       32.03       0.94


SO BUILDHGT BLCHSCRB       25.76  25.76  25.76  18.95  21.64  21.64
SO BUILDHGT BLCHSCRB       21.64  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB       25.76  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB       25.76  25.76  25.76  18.95  21.64  21.49
SO BUILDHGT BLCHSCRB       22.25  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB       25.76  25.76  25.76  25.76  25.76  25.76
SO BUILDWID BLCHSCRB      102.55 103.66 101.63  29.38  36.02  35.44
SO BUILDWID BLCHSCRB       37.92 100.84 103.51 103.03  99.42  92.78
SO BUILDWID BLCHSCRB       83.33  71.35  68.68  81.13  91.11  98.33
SO BUILDWID BLCHSCRB      102.55 103.66 101.63  29.38 178.89  97.90
SO BUILDWID BLCHSCRB       90.32 100.84 103.51 103.03  99.42  92.78
SO BUILDWID BLCHSCRB       83.33  71.35  68.68  81.13  91.11  98.33


SO EMISUNIT    .100000E+07 (GRAMS/SEC)          (MICROGRAMS/CUBIC-METER)
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
** RECEPTOR ORIGIN IS TRS INCINERATOR STACK
RE DISCPOLR TRS    5000.00      10.00
RE DISCPOLR TRS    4500.00      20.00
RE DISCPOLR TRS    5000.00      20.00
RE DISCPOLR TRS    2500.00      30.00
RE DISCPOLR TRS    3000.00      30.00
RE DISCPOLR TRS    3500.00      30.00
RE DISCPOLR TRS    4000.00      30.00
RE DISCPOLR TRS    4500.00      30.00
RE DISCPOLR TRS    5000.00      30.00
RE DISCPOLR TRS    2500.00      40.00
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[redacted]	DISCPOLR	TRS	3000.00	40.00
[redacted]	DISCPOLR	TRS	3500.00	40.00
RE	DISCPOLR	TRS	4000.00	40.00
[redacted]	DISCPOLR	TRS	4500.00	40.00
[redacted]	DISCPOLR	TRS	5000.00	40.00
RE	DISCPOLR	TRS	1500.00	50.00
[redacted]	DISCPOLR	TRS	2000.00	50.00
[redacted]	DISCPOLR	TRS	2500.00	50.00
[redacted]	DISCPOLR	TRS	3000.00	50.00
RE	DISCPOLR	TRS	3500.00	50.00
[redacted]	DISCPOLR	TRS	4000.00	50.00
[redacted]	DISCPOLR	TRS	4500.00	50.00
RE	DISCPOLR	TRS	5000.00	50.00
[redacted]	DISCPOLR	TRS	1500.00	60.00
[redacted]	DISCPOLR	TRS	2000.00	60.00
RE	DISCPOLR	TRS	2500.00	60.00
[redacted]	DISCPOLR	TRS	3000.00	60.00
[redacted]	DISCPOLR	TRS	3500.00	60.00
[redacted]	DISCPOLR	TRS	4000.00	60.00
RE	DISCPOLR	TRS	4500.00	60.00
[redacted]	DISCPOLR	TRS	5000.00	60.00
[redacted]	DISCPOLR	TRS	1500.00	70.00
RE	DISCPOLR	TRS	2000.00	70.00
[redacted]	DISCPOLR	TRS	2500.00	70.00
[redacted]	DISCPOLR	TRS	3000.00	70.00
RE	DISCPOLR	TRS	3500.00	70.00
RE	DISCPOLR	TRS	4000.00	70.00
[redacted]	DISCPOLR	TRS	4500.00	70.00
[redacted]	DISCPOLR	TRS	5000.00	70.00
RE	DISCPOLR	TRS	838.00	80.00
[redacted]	DISCPOLR	TRS	1100.00	80.00
[redacted]	DISCPOLR	TRS	1500.00	80.00
RE	DISCPOLR	TRS	2000.00	80.00
[redacted]	DISCPOLR	TRS	2500.00	80.00
[redacted]	DISCPOLR	TRS	3000.00	80.00
RE	DISCPOLR	TRS	3500.00	80.00
RE	DISCPOLR	TRS	4000.00	80.00
[redacted]	DISCPOLR	TRS	4500.00	80.00
[redacted]	DISCPOLR	TRS	5000.00	80.00
RE	DISCPOLR	TRS	686.00	90.00
[redacted]	DISCPOLR	TRS	1100.00	90.00
[redacted]	DISCPOLR	TRS	1500.00	90.00
RE	DISCPOLR	TRS	2000.00	90.00
RE	DISCPOLR	TRS	2500.00	90.00
[redacted]	DISCPOLR	TRS	3000.00	90.00
[redacted]	DISCPOLR	TRS	3500.00	90.00
RE	DISCPOLR	TRS	4000.00	90.00
[redacted]	DISCPOLR	TRS	4500.00	90.00
[redacted]	DISCPOLR	TRS	5000.00	90.00
RE	DISCPOLR	TRS	533.00	100.00
[redacted]	DISCPOLR	TRS	700.00	100.00
[redacted]	DISCPOLR	TRS	1100.00	100.00
RE	DISCPOLR	TRS	1500.00	100.00
RE	DISCPOLR	TRS	2000.00	100.00
[redacted]	DISCPOLR	TRS	2500.00	100.00
[redacted]	DISCPOLR	TRS	3000.00	100.00
RE	DISCPOLR	TRS	3500.00	100.00
[redacted]	DISCPOLR	TRS	4000.00	100.00
[redacted]	DISCPOLR	TRS	4500.00	100.00
RE	DISCPOLR	TRS	5000.00	100.00

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[redacted] DISCPOLR TRS 457.00 110.00
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RE DISCPOLR TRS 4000.00 280.00
RE DISCPOLR TRS 4500.00 280.00
[redacted] DISCPOLR TRS 5000.00 280.00
[redacted] DISCPOLR TRS 4572.00 290.00
RE DISCPOLR TRS 5000.00 290.00
[redacted] DISCPOLR TRS 5182.00 300.00
[redacted] DISCPOLR TRS 4801.00 310.00
RE DISCPOLR TRS 5000.00 310.00
RE DISCPOLR TRS 4875.00 320.00
[redacted] DISCPOLR TRS 5000.00 320.00
RE DISCPOLR TRS 6000.00 330.00
RE DISCPOLR TRS 5500.00 340.00
[redacted] DISCPOLR TRS 5250.00 350.00
[redacted] DISCPOLR TRS 5125.00 360.00
RE FINISHED

[redacted]

ME STARTING
ME INPUTFIL S:\MET\GNSPRL85.BIN UNFORM
[redacted] ANEMHGHT 22.00 FEET
ME SURFDATA 12816 1985 JACKSONVILLE
ME UAIRDATA 13861 1985 WAYCROSS
[redacted] WINDCATS 1.50 3.10 5.10 8.20 10.80
[redacted] FINISHED

[redacted] STARTING
OU RECTABLE ALLAVE FIRST

[redacted]

FINISHED

** Message Summary For ISC3 Model Setup ***

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

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

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

******** WARNING MESSAGES ********
W320 27 PPARM :Input Parameter May Be Out-of-Range for Parameter QS

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** MODEL SETUP OPTIONS SUMMARY ***

**Simple Terrain Model 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 4 Short Term Average(s) of: 24-HR 8-HR 3-HR 1-HR
and Calculates PERIOD Averages

This Run Includes: 2 Source(s); 1 Source Group(s); and 236 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 PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE 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) = 6.71 ; Decay Coef. = 0.0000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/SEC) ; Emission Rate Unit Factor = 0.10000E+07
Output Units = (MICROGRAMS/CUBIC-METER)

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

Input Runstream File: COCL2.I85
**Output Print File: COCL2.O85

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
BLCHSCRB	0	0.80000E+01	109.3	141.5	0.0	36.00	338.70	9.30	1.22	YES	
TRS	0	0.00000E+00	0.0	0.0	0.0	76.20	533.20	32.03	0.94	NO	

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	BLCHSCRB, TRS ,

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: BLCHSCRB

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	25.8,	102.6,	0	2	25.8,	103.7,	0	3	25.8,	101.6,	0	4	19.0,	29.4,	0	5	21.6,	36.0,	0	6	21.6,	35.4,	0
7	21.6,	37.9,	0	8	25.8,	100.8,	0	9	25.8,	103.5,	0	10	25.8,	103.0,	0	11	25.8,	99.4,	0	12	25.8,	92.8,	0
13	25.8,	83.3,	0	14	25.8,	71.3,	0	15	25.8,	68.7,	0	16	25.8,	81.1,	0	17	25.8,	91.1,	0	18	25.8,	98.3,	0
19	25.8,	102.6,	0	20	25.8,	103.7,	0	21	25.8,	101.6,	0	22	19.0,	29.4,	0	23	21.6,	178.9,	0	24	21.5,	97.9,	0
25	22.3,	90.3,	0	26	25.8,	100.8,	0	27	25.8,	103.5,	0	28	25.8,	103.0,	0	29	25.8,	99.4,	0	30	25.8,	92.8,	0
31	25.8,	83.3,	0	32	25.8,	71.3,	0	33	25.8,	68.7,	0	34	25.8,	81.1,	0	35	25.8,	91.1,	0	36	25.8,	98.3,	0

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	5000.0,	10.0,	0.0,	0.0);	TRS	: (	4500.0,	20.0,	0.0,	0.0);
TRS	: (	5000.0,	20.0,	0.0,	0.0);	TRS	: (	2500.0,	30.0,	0.0,	0.0);
TRS	: (	3000.0,	30.0,	0.0,	0.0);	TRS	: (	3500.0,	30.0,	0.0,	0.0);
TRS	: (	4000.0,	30.0,	0.0,	0.0);	TRS	: (	4500.0,	30.0,	0.0,	0.0);
TRS	: (	5000.0,	30.0,	0.0,	0.0);	TRS	: (	2500.0,	40.0,	0.0,	0.0);
TRS	: (	3000.0,	40.0,	0.0,	0.0);	TRS	: (	3500.0,	40.0,	0.0,	0.0);
TRS	: (	4000.0,	40.0,	0.0,	0.0);	TRS	: (	4500.0,	40.0,	0.0,	0.0);
TRS	: (	5000.0,	40.0,	0.0,	0.0);	TRS	: (	1500.0,	50.0,	0.0,	0.0);
TRS	: (	2000.0,	50.0,	0.0,	0.0);	TRS	: (	2500.0,	50.0,	0.0,	0.0);
TRS	: (	3000.0,	50.0,	0.0,	0.0);	TRS	: (	3500.0,	50.0,	0.0,	0.0);
TRS	: (	4000.0,	50.0,	0.0,	0.0);	TRS	: (	4500.0,	50.0,	0.0,	0.0);
TRS	: (	5000.0,	50.0,	0.0,	0.0);	TRS	: (	1500.0,	60.0,	0.0,	0.0);
TRS	: (	2000.0,	60.0,	0.0,	0.0);	TRS	: (	2500.0,	60.0,	0.0,	0.0);
TRS	: (	3000.0,	60.0,	0.0,	0.0);	TRS	: (	3500.0,	60.0,	0.0,	0.0);
TRS	: (	4000.0,	60.0,	0.0,	0.0);	TRS	: (	4500.0,	60.0,	0.0,	0.0);
TRS	: (	5000.0,	60.0,	0.0,	0.0);	TRS	: (	1500.0,	70.0,	0.0,	0.0);
TRS	: (	2000.0,	70.0,	0.0,	0.0);	TRS	: (	2500.0,	70.0,	0.0,	0.0);
TRS	: (	3000.0,	70.0,	0.0,	0.0);	TRS	: (	3500.0,	70.0,	0.0,	0.0);
TRS	: (	4000.0,	70.0,	0.0,	0.0);	TRS	: (	4500.0,	70.0,	0.0,	0.0);
TRS	: (	5000.0,	70.0,	0.0,	0.0);	TRS	: (	838.0,	80.0,	0.0,	0.0);
TRS	: (	1100.0,	80.0,	0.0,	0.0);	TRS	: (	1500.0,	80.0,	0.0,	0.0);
TRS	: (	2000.0,	80.0,	0.0,	0.0);	TRS	: (	2500.0,	80.0,	0.0,	0.0);
TRS	: (	3000.0,	80.0,	0.0,	0.0);	TRS	: (	3500.0,	80.0,	0.0,	0.0);
TRS	: (	4000.0,	80.0,	0.0,	0.0);	TRS	: (	4500.0,	80.0,	0.0,	0.0);
TRS	: (	5000.0,	80.0,	0.0,	0.0);	TRS	: (	686.0,	90.0,	0.0,	0.0);
TRS	: (	1100.0,	90.0,	0.0,	0.0);	TRS	: (	1500.0,	90.0,	0.0,	0.0);
TRS	: (	2000.0,	90.0,	0.0,	0.0);	TRS	: (	2500.0,	90.0,	0.0,	0.0);
TRS	: (	3000.0,	90.0,	0.0,	0.0);	TRS	: (	3500.0,	90.0,	0.0,	0.0);
TRS	: (	4000.0,	90.0,	0.0,	0.0);	TRS	: (	4500.0,	90.0,	0.0,	0.0);
TRS	: (	5000.0,	90.0,	0.0,	0.0);	TRS	: (	533.0,	100.0,	0.0,	0.0);
TRS	: (	700.0,	100.0,	0.0,	0.0);	TRS	: (	1100.0,	100.0,	0.0,	0.0);
TRS	: (	1500.0,	100.0,	0.0,	0.0);	TRS	: (	2000.0,	100.0,	0.0,	0.0);
TRS	: (	2500.0,	100.0,	0.0,	0.0);	TRS	: (	3000.0,	100.0,	0.0,	0.0);
TRS	: (	3500.0,	100.0,	0.0,	0.0);	TRS	: (	4000.0,	100.0,	0.0,	0.0);
TRS	: (	4500.0,	100.0,	0.0,	0.0);	TRS	: (	5000.0,	100.0,	0.0,	0.0);
TRS	: (	457.0,	110.0,	0.0,	0.0);	TRS	: (	700.0,	110.0,	0.0,	0.0);
TRS	: (	1100.0,	110.0,	0.0,	0.0);	TRS	: (	1500.0,	110.0,	0.0,	0.0);
TRS	: (	2000.0,	110.0,	0.0,	0.0);	TRS	: (	2500.0,	110.0,	0.0,	0.0);
TRS	: (	3000.0,	110.0,	0.0,	0.0);	TRS	: (	3500.0,	110.0,	0.0,	0.0);
TRS	: (	4000.0,	110.0,	0.0,	0.0);	TRS	: (	4500.0,	110.0,	0.0,	0.0);
TRS	: (	5000.0,	110.0,	0.0,	0.0);	TRS	: (	457.0,	120.0,	0.0,	0.0);
TRS	: (	700.0,	120.0,	0.0,	0.0);	TRS	: (	1100.0,	120.0,	0.0,	0.0);
TRS	: (	1500.0,	120.0,	0.0,	0.0);	TRS	: (	2000.0,	120.0,	0.0,	0.0);
TRS	: (	2500.0,	120.0,	0.0,	0.0);	TRS	: (	3000.0,	120.0,	0.0,	0.0);
TRS	: (	3500.0,	120.0,	0.0,	0.0);	TRS	: (	4000.0,	120.0,	0.0,	0.0);

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	4500.0,	120.0,	0.0,	0.0);	TRS	: (	5000.0,	120.0,	0.0,	0.0);
TRS	: (	457.0,	130.0,	0.0,	0.0);	TRS	: (	700.0,	130.0,	0.0,	0.0);
TRS	: (	1100.0,	130.0,	0.0,	0.0);	TRS	: (	1500.0,	130.0,	0.0,	0.0);
TRS	: (	2000.0,	130.0,	0.0,	0.0);	TRS	: (	2500.0,	130.0,	0.0,	0.0);
TRS	: (	3000.0,	130.0,	0.0,	0.0);	TRS	: (	3500.0,	130.0,	0.0,	0.0);
TRS	: (	4000.0,	130.0,	0.0,	0.0);	TRS	: (	4500.0,	130.0,	0.0,	0.0);
TRS	: (	5000.0,	130.0,	0.0,	0.0);	TRS	: (	457.0,	140.0,	0.0,	0.0);
TRS	: (	700.0,	140.0,	0.0,	0.0);	TRS	: (	1100.0,	140.0,	0.0,	0.0);
TRS	: (	1500.0,	140.0,	0.0,	0.0);	TRS	: (	2000.0,	140.0,	0.0,	0.0);
TRS	: (	2500.0,	140.0,	0.0,	0.0);	TRS	: (	3000.0,	140.0,	0.0,	0.0);
TRS	: (	3500.0,	140.0,	0.0,	0.0);	TRS	: (	4000.0,	140.0,	0.0,	0.0);
TRS	: (	4500.0,	140.0,	0.0,	0.0);	TRS	: (	5000.0,	140.0,	0.0,	0.0);
TRS	: (	457.0,	150.0,	0.0,	0.0);	TRS	: (	700.0,	150.0,	0.0,	0.0);
TRS	: (	1100.0,	150.0,	0.0,	0.0);	TRS	: (	1500.0,	150.0,	0.0,	0.0);
TRS	: (	2000.0,	150.0,	0.0,	0.0);	TRS	: (	2500.0,	150.0,	0.0,	0.0);
TRS	: (	3000.0,	150.0,	0.0,	0.0);	TRS	: (	3500.0,	150.0,	0.0,	0.0);
TRS	: (	4000.0,	150.0,	0.0,	0.0);	TRS	: (	4500.0,	150.0,	0.0,	0.0);
TRS	: (	5000.0,	150.0,	0.0,	0.0);	TRS	: (	488.0,	160.0,	0.0,	0.0);
TRS	: (	700.0,	160.0,	0.0,	0.0);	TRS	: (	1100.0,	160.0,	0.0,	0.0);
TRS	: (	1500.0,	160.0,	0.0,	0.0);	TRS	: (	2000.0,	160.0,	0.0,	0.0);
TRS	: (	2500.0,	160.0,	0.0,	0.0);	TRS	: (	3000.0,	160.0,	0.0,	0.0);
TRS	: (	3500.0,	160.0,	0.0,	0.0);	TRS	: (	4000.0,	160.0,	0.0,	0.0);
TRS	: (	4500.0,	160.0,	0.0,	0.0);	TRS	: (	5000.0,	160.0,	0.0,	0.0);
TRS	: (	533.0,	170.0,	0.0,	0.0);	TRS	: (	700.0,	170.0,	0.0,	0.0);
TRS	: (	1100.0,	170.0,	0.0,	0.0);	TRS	: (	1500.0,	170.0,	0.0,	0.0);
TRS	: (	2000.0,	170.0,	0.0,	0.0);	TRS	: (	2500.0,	170.0,	0.0,	0.0);
TRS	: (	3000.0,	170.0,	0.0,	0.0);	TRS	: (	3500.0,	170.0,	0.0,	0.0);
TRS	: (	4000.0,	170.0,	0.0,	0.0);	TRS	: (	4500.0,	170.0,	0.0,	0.0);
TRS	: (	5000.0,	170.0,	0.0,	0.0);	TRS	: (	610.0,	180.0,	0.0,	0.0);
TRS	: (	700.0,	180.0,	0.0,	0.0);	TRS	: (	1100.0,	180.0,	0.0,	0.0);
TRS	: (	1500.0,	180.0,	0.0,	0.0);	TRS	: (	2000.0,	180.0,	0.0,	0.0);
TRS	: (	2500.0,	180.0,	0.0,	0.0);	TRS	: (	3000.0,	180.0,	0.0,	0.0);
TRS	: (	3500.0,	180.0,	0.0,	0.0);	TRS	: (	4000.0,	180.0,	0.0,	0.0);
TRS	: (	4500.0,	180.0,	0.0,	0.0);	TRS	: (	5000.0,	180.0,	0.0,	0.0);
TRS	: (	750.0,	190.0,	0.0,	0.0);	TRS	: (	1100.0,	190.0,	0.0,	0.0);
TRS	: (	1500.0,	190.0,	0.0,	0.0);	TRS	: (	2000.0,	190.0,	0.0,	0.0);
TRS	: (	2500.0,	190.0,	0.0,	0.0);	TRS	: (	3000.0,	190.0,	0.0,	0.0);
TRS	: (	3500.0,	190.0,	0.0,	0.0);	TRS	: (	4000.0,	190.0,	0.0,	0.0);
TRS	: (	4500.0,	190.0,	0.0,	0.0);	TRS	: (	5000.0,	190.0,	0.0,	0.0);
TRS	: (	1829.0,	200.0,	0.0,	0.0);	TRS	: (	2000.0,	200.0,	0.0,	0.0);
TRS	: (	2500.0,	200.0,	0.0,	0.0);	TRS	: (	3000.0,	200.0,	0.0,	0.0);
TRS	: (	3500.0,	200.0,	0.0,	0.0);	TRS	: (	4000.0,	200.0,	0.0,	0.0);
TRS	: (	4500.0,	200.0,	0.0,	0.0);	TRS	: (	5000.0,	200.0,	0.0,	0.0);
TRS	: (	1829.0,	210.0,	0.0,	0.0);	TRS	: (	2000.0,	210.0,	0.0,	0.0);
TRS	: (	2500.0,	210.0,	0.0,	0.0);	TRS	: (	3000.0,	210.0,	0.0,	0.0);

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	3500.0,	210.0,	0.0,	0.0);	TRS	: (	4000.0,	210.0,	0.0,	0.0);
TRS	: (	4500.0,	210.0,	0.0,	0.0);	TRS	: (	5000.0,	210.0,	0.0,	0.0);
TRS	: (	1981.0,	220.0,	0.0,	0.0);	TRS	: (	2000.0,	220.0,	0.0,	0.0);
TRS	: (	2500.0,	220.0,	0.0,	0.0);	TRS	: (	3000.0,	220.0,	0.0,	0.0);
TRS	: (	3500.0,	220.0,	0.0,	0.0);	TRS	: (	4000.0,	220.0,	0.0,	0.0);
TRS	: (	4500.0,	220.0,	0.0,	0.0);	TRS	: (	5000.0,	220.0,	0.0,	0.0);
TRS	: (	2134.0,	230.0,	0.0,	0.0);	TRS	: (	2500.0,	230.0,	0.0,	0.0);
TRS	: (	3000.0,	230.0,	0.0,	0.0);	TRS	: (	3500.0,	230.0,	0.0,	0.0);
TRS	: (	4000.0,	230.0,	0.0,	0.0);	TRS	: (	4500.0,	230.0,	0.0,	0.0);
TRS	: (	5000.0,	230.0,	0.0,	0.0);	TRS	: (	2438.0,	240.0,	0.0,	0.0);
TRS	: (	2500.0,	240.0,	0.0,	0.0);	TRS	: (	3000.0,	240.0,	0.0,	0.0);
TRS	: (	3500.0,	240.0,	0.0,	0.0);	TRS	: (	4000.0,	240.0,	0.0,	0.0);
TRS	: (	4500.0,	240.0,	0.0,	0.0);	TRS	: (	5000.0,	240.0,	0.0,	0.0);
TRS	: (	2896.0,	250.0,	0.0,	0.0);	TRS	: (	3000.0,	250.0,	0.0,	0.0);
TRS	: (	3500.0,	250.0,	0.0,	0.0);	TRS	: (	4000.0,	250.0,	0.0,	0.0);
TRS	: (	4500.0,	250.0,	0.0,	0.0);	TRS	: (	5000.0,	250.0,	0.0,	0.0);
TRS	: (	3048.0,	260.0,	0.0,	0.0);	TRS	: (	3500.0,	260.0,	0.0,	0.0);
TRS	: (	4000.0,	260.0,	0.0,	0.0);	TRS	: (	4500.0,	260.0,	0.0,	0.0);
TRS	: (	5000.0,	260.0,	0.0,	0.0);	TRS	: (	3658.0,	270.0,	0.0,	0.0);
TRS	: (	4000.0,	270.0,	0.0,	0.0);	TRS	: (	4500.0,	270.0,	0.0,	0.0);
TRS	: (	5000.0,	270.0,	0.0,	0.0);	TRS	: (	3962.0,	280.0,	0.0,	0.0);
TRS	: (	4000.0,	280.0,	0.0,	0.0);	TRS	: (	4500.0,	280.0,	0.0,	0.0);
TRS	: (	5000.0,	280.0,	0.0,	0.0);	TRS	: (	4572.0,	290.0,	0.0,	0.0);
TRS	: (	5000.0,	290.0,	0.0,	0.0);	TRS	: (	5182.0,	300.0,	0.0,	0.0);
TRS	: (	4801.0,	310.0,	0.0,	0.0);	TRS	: (	5000.0,	310.0,	0.0,	0.0);
TRS	: (	4875.0,	320.0,	0.0,	0.0);	TRS	: (	5000.0,	320.0,	0.0,	0.0);
TRS	: (	6000.0,	330.0,	0.0,	0.0);	TRS	: (	5500.0,	340.0,	0.0,	0.0);
TRS	: (	5250.0,	350.0,	0.0,	0.0);	TRS	: (	5125.0,	360.0,	0.0,	0.0);

MODELOPTs: CONC   RURAL FLAT   DFAULT   NOCMPL

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

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1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
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1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.50, 3.10, 5.10, 8.20, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

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

FILE: S:\MET\GNSPRL85.BIN
FORMAT: UNFORM
SURFACE STATION NO.: 12816 UPPER AIR STATION NO.: 13861
NAME: JACKSONVILLE NAME: WAYCROSS
YEAR: 1985 YEAR: 1985

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-O (M)	IPCODE	PRATE (mm/HR)
	1	1	1	351.0	4.12	292.0	5	1628.0	231.0	0.0000	0.0	0.0000	0	0.00
85	1	1	2	338.0	3.09	292.0	5	1655.5	231.0	0.0000	0.0	0.0000	0	0.00
	1	1	3	344.0	2.57	292.0	4	1683.0	1683.0	0.0000	0.0	0.0000	0	0.00
	1	1	4	343.0	3.09	291.5	4	1710.4	1710.4	0.0000	0.0	0.0000	0	0.00
85	1	1	5	353.0	2.57	290.9	5	1737.9	231.0	0.0000	0.0	0.0000	0	0.00
85	1	1	6	352.0	1.00	289.3	6	1765.3	231.0	0.0000	0.0	0.0000	0	0.00
	1	1	7	305.0	2.06	288.7	6	1792.8	231.0	0.0000	0.0	0.0000	0	0.00
	1	1	8	313.0	2.06	289.3	5	158.1	370.7	0.0000	0.0	0.0000	0	0.00
85	1	1	9	307.0	2.57	292.0	4	462.6	639.7	0.0000	0.0	0.0000	0	0.00
	1	1	10	351.0	4.63	295.4	3	767.0	908.8	0.0000	0.0	0.0000	0	0.00
	1	1	11	344.0	7.20	297.6	4	1071.5	1177.8	0.0000	0.0	0.0000	0	0.00
85	1	1	12	336.0	3.60	297.6	4	1376.0	1446.9	0.0000	0.0	0.0000	0	0.00
	1	1	13	343.0	5.14	298.7	4	1680.5	1715.9	0.0000	0.0	0.0000	0	0.00
	1	1	14	59.0	2.57	298.7	4	1985.0	1985.0	0.0000	0.0	0.0000	0	0.00
85	1	1	15	342.0	4.12	299.3	3	1985.0	1985.0	0.0000	0.0	0.0000	0	0.00
85	1	1	16	324.0	4.12	299.3	3	1985.0	1985.0	0.0000	0.0	0.0000	0	0.00
	1	1	17	321.0	4.12	298.7	4	1985.0	1985.0	0.0000	0.0	0.0000	0	0.00
	1	1	18	307.0	1.54	295.9	5	1969.9	1892.9	0.0000	0.0	0.0000	0	0.00
85	1	1	19	314.0	1.00	293.2	6	1931.7	1659.4	0.0000	0.0	0.0000	0	0.00
	1	1	20	297.0	2.57	293.2	6	1893.5	1425.9	0.0000	0.0	0.0000	0	0.00
	1	1	21	320.0	4.63	293.2	5	1855.3	1192.4	0.0000	0.0	0.0000	0	0.00
85	1	1	22	332.0	3.60	292.6	5	1817.1	959.0	0.0000	0.0	0.0000	0	0.00
85	1	1	23	330.0	1.00	291.5	6	1778.9	725.5	0.0000	0.0	0.0000	0	0.00
	1	1	24	330.0	1.00	290.9	7	1740.8	492.0	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.

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS :	5000.00	10.00	0.25015	TRS :	4500.00	20.00	0.31802
TRS :	5000.00	20.00	0.27310	TRS :	2500.00	30.00	0.71685
TRS :	3000.00	30.00	0.54765	TRS :	3500.00	30.00	0.43632
TRS :	4000.00	30.00	0.35825	TRS :	4500.00	30.00	0.30101
TRS :	5000.00	30.00	0.25758	TRS :	2500.00	40.00	0.57252
TRS :	3000.00	40.00	0.44674	TRS :	3500.00	40.00	0.36178
TRS :	4000.00	40.00	0.30107	TRS :	4500.00	40.00	0.25594
TRS :	5000.00	40.00	0.22129	TRS :	1500.00	50.00	1.02229
TRS :	2000.00	50.00	0.69817	TRS :	2500.00	50.00	0.51873
TRS :	3000.00	50.00	0.40703	TRS :	3500.00	50.00	0.33149
TRS :	4000.00	50.00	0.27753	TRS :	4500.00	50.00	0.23733
TRS :	5000.00	50.00	0.20632	TRS :	1500.00	60.00	1.16395
TRS :	2000.00	60.00	0.77236	TRS :	2500.00	60.00	0.56102
TRS :	3000.00	60.00	0.43226	TRS :	3500.00	60.00	0.34672
TRS :	4000.00	60.00	0.28646	TRS :	4500.00	60.00	0.24209
TRS :	5000.00	60.00	0.20823	TRS :	1500.00	70.00	1.40904
TRS :	2000.00	70.00	0.90780	TRS :	2500.00	70.00	0.65320
TRS :	3000.00	70.00	0.50184	TRS :	3500.00	70.00	0.40239
TRS :	4000.00	70.00	0.33260	TRS :	4500.00	70.00	0.28127
TRS :	5000.00	70.00	0.24210	TRS :	838.00	80.00	4.71351
TRS :	1100.00	80.00	3.33398	TRS :	1500.00	80.00	2.07584
TRS :	2000.00	80.00	1.32030	TRS :	2500.00	80.00	0.93732
TRS :	3000.00	80.00	0.71222	TRS :	3500.00	80.00	0.56661
TRS :	4000.00	80.00	0.46542	TRS :	4500.00	80.00	0.39148
TRS :	5000.00	80.00	0.33544	TRS :	686.00	90.00	6.01346
TRS :	1100.00	90.00	3.70452	TRS :	1500.00	90.00	2.50658
TRS :	2000.00	90.00	1.68532	TRS :	2500.00	90.00	1.23508
TRS :	3000.00	90.00	0.95987	TRS :	3500.00	90.00	0.77732
TRS :	4000.00	90.00	0.64819	TRS :	4500.00	90.00	0.55246
TRS :	5000.00	90.00	0.47894	TRS :	533.00	100.00	6.82810
TRS :	700.00	100.00	5.44181	TRS :	1100.00	100.00	3.56899
TRS :	1500.00	100.00	2.51317	TRS :	2000.00	100.00	1.72013
TRS :	2500.00	100.00	1.25536	TRS :	3000.00	100.00	0.96935
TRS :	3500.00	100.00	0.78181	TRS :	4000.00	100.00	0.65088
TRS :	4500.00	100.00	0.55473	TRS :	5000.00	100.00	0.48134
TRS :	457.00	110.00	6.00759	TRS :	700.00	110.00	4.70319
TRS :	1100.00	110.00	3.24999	TRS :	1500.00	110.00	2.32526
TRS :	2000.00	110.00	1.66335	TRS :	2500.00	110.00	1.25999
TRS :	3000.00	110.00	0.99563	TRS :	3500.00	110.00	0.81398
TRS :	4000.00	110.00	0.68340	TRS :	4500.00	110.00	0.58575

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS :	5000.00	110.00	0.51035	TRS :	457.00	120.00	4.71764
TRS :	700.00	120.00	3.90279	TRS :	1100.00	120.00	2.99973
TRS :	1500.00	120.00	2.16646	TRS :	2000.00	120.00	1.45085
TRS :	2500.00	120.00	1.07299	TRS :	3000.00	120.00	0.85955
TRS :	3500.00	120.00	0.72178	TRS :	4000.00	120.00	0.62314
TRS :	4500.00	120.00	0.54768	TRS :	5000.00	120.00	0.48757
TRS :	457.00	130.00	4.79182	TRS :	700.00	130.00	3.16677
TRS :	1100.00	130.00	2.18074	TRS :	1500.00	130.00	1.63948
TRS :	2000.00	130.00	1.22392	TRS :	2500.00	130.00	0.96549
TRS :	3000.00	130.00	0.79204	TRS :	3500.00	130.00	0.66807
TRS :	4000.00	130.00	0.57516	TRS :	4500.00	130.00	0.50307
TRS :	5000.00	130.00	0.44559	TRS :	457.00	140.00	4.72430
TRS :	700.00	140.00	3.43207	TRS :	1100.00	140.00	2.13187
TRS :	1500.00	140.00	1.44270	TRS :	2000.00	140.00	0.98369
TRS :	2500.00	140.00	0.74220	TRS :	3000.00	140.00	0.59607
TRS :	3500.00	140.00	0.49724	TRS :	4000.00	140.00	0.42527
TRS :	4500.00	140.00	0.37024	TRS :	5000.00	140.00	0.32674
TRS :	457.00	150.00	4.89260	TRS :	700.00	150.00	3.31672
TRS :	1100.00	150.00	2.21434	TRS :	1500.00	150.00	1.63541
TRS :	2000.00	150.00	1.17596	TRS :	2500.00	150.00	0.88573
TRS :	3000.00	150.00	0.69597	TRS :	3500.00	150.00	0.56589
TRS :	4000.00	150.00	0.47265	TRS :	4500.00	150.00	0.40318
TRS :	5000.00	150.00	0.34975	TRS :	488.00	160.00	4.24134
TRS :	700.00	160.00	3.36403	TRS :	1100.00	160.00	2.31916
TRS :	1500.00	160.00	1.63648	TRS :	2000.00	160.00	1.16028
TRS :	2500.00	160.00	0.88191	TRS :	3000.00	160.00	0.70352
TRS :	3500.00	160.00	0.58050	TRS :	4000.00	160.00	0.49102
TRS :	4500.00	160.00	0.42329	TRS :	5000.00	160.00	0.37043
TRS :	533.00	170.00	3.71080	TRS :	700.00	170.00	3.16988
TRS :	1100.00	170.00	2.16464	TRS :	1500.00	170.00	1.53756
TRS :	2000.00	170.00	1.09357	TRS :	2500.00	170.00	0.84187
TRS :	3000.00	170.00	0.68374	TRS :	3500.00	170.00	0.57506
TRS :	4000.00	170.00	0.49545	TRS :	4500.00	170.00	0.43442
TRS :	5000.00	170.00	0.38604	TRS :	610.00	180.00	2.75963
TRS :	700.00	180.00	2.48954	TRS :	1100.00	180.00	1.75013
TRS :	1500.00	180.00	1.36069	TRS :	2000.00	180.00	1.05284
TRS :	2500.00	180.00	0.84646	TRS :	3000.00	180.00	0.70075
TRS :	3500.00	180.00	0.59326	TRS :	4000.00	180.00	0.51131
TRS :	4500.00	180.00	0.44708	TRS :	5000.00	180.00	0.39558
TRS :	750.00	190.00	2.34361	TRS :	1100.00	190.00	1.65636

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS :	1500.00	190.00	1.19996	TRS :	2000.00	190.00	0.87439
TRS :	2500.00	190.00	0.67883	TRS :	3000.00	190.00	0.55045
TRS :	3500.00	190.00	0.46014	TRS :	4000.00	190.00	0.39343
TRS :	4500.00	190.00	0.34227	TRS :	5000.00	190.00	0.30190
TRS :	1829.00	200.00	0.96077	TRS :	2000.00	200.00	0.86561
TRS :	2500.00	200.00	0.66297	TRS :	3000.00	200.00	0.53084
TRS :	3500.00	200.00	0.43867	TRS :	4000.00	200.00	0.37120
TRS :	4500.00	200.00	0.31993	TRS :	5000.00	200.00	0.27982
TRS :	1829.00	210.00	1.14033	TRS :	2000.00	210.00	1.03572
TRS :	2500.00	210.00	0.80784	TRS :	3000.00	210.00	0.65504
TRS :	3500.00	210.00	0.54631	TRS :	4000.00	210.00	0.46549
TRS :	4500.00	210.00	0.40336	TRS :	5000.00	210.00	0.35431
TRS :	1981.00	220.00	0.92227	TRS :	2000.00	220.00	0.91354
TRS :	2500.00	220.00	0.72798	TRS :	3000.00	220.00	0.60131
TRS :	3500.00	220.00	0.50950	TRS :	4000.00	220.00	0.44038
TRS :	4500.00	220.00	0.38662	TRS :	5000.00	220.00	0.34362
TRS :	2134.00	230.00	0.93250	TRS :	2500.00	230.00	0.78918
TRS :	3000.00	230.00	0.64738	TRS :	3500.00	230.00	0.54510
TRS :	4000.00	230.00	0.46836	TRS :	4500.00	230.00	0.40876
TRS :	5000.00	230.00	0.36128	TRS :	2438.00	240.00	0.87003
TRS :	2500.00	240.00	0.84669	TRS :	3000.00	240.00	0.69231
TRS :	3500.00	240.00	0.58130	TRS :	4000.00	240.00	0.49826
TRS :	4500.00	240.00	0.43397	TRS :	5000.00	240.00	0.38285
TRS :	2896.00	250.00	0.76205	TRS :	3000.00	250.00	0.73246
TRS :	3500.00	250.00	0.61403	TRS :	4000.00	250.00	0.52494
TRS :	4500.00	250.00	0.45573	TRS :	5000.00	250.00	0.40077
TRS :	3048.00	260.00	0.94616	TRS :	3500.00	260.00	0.80853
TRS :	4000.00	260.00	0.69139	TRS :	4500.00	260.00	0.60017
TRS :	5000.00	260.00	0.52756	TRS :	3658.00	270.00	1.02546
TRS :	4000.00	270.00	0.92645	TRS :	4500.00	270.00	0.80797
TRS :	5000.00	270.00	0.71293	TRS :	3962.00	280.00	0.68284
TRS :	4000.00	280.00	0.67365	TRS :	4500.00	280.00	0.57002
TRS :	5000.00	280.00	0.49094	TRS :	4572.00	290.00	0.48482
TRS :	5000.00	290.00	0.43165	TRS :	5182.00	300.00	0.40914
TRS :	4801.00	310.00	0.36419	TRS :	5000.00	310.00	0.34268
TRS :	4875.00	320.00	0.30694	TRS :	5000.00	320.00	0.29619
TRS :	6000.00	330.00	0.21734	TRS :	5500.00	340.00	0.21524
TRS :	5250.00	350.00	0.32815	TRS :	5125.00	360.00	0.32166

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	3.70316c	(85061324)	TRS :	4500.00	20.00	6.82475	(85061224)
TRS :	5000.00	20.00	5.93213	(85061224)	TRS :	2500.00	30.00	10.25372c	(85081724)
TRS :	3000.00	30.00	8.17293c	(85081724)	TRS :	3500.00	30.00	6.73349c	(85081724)
TRS :	4000.00	30.00	5.68515c	(85081724)	TRS :	4500.00	30.00	4.88965c	(85081724)
TRS :	5000.00	30.00	4.26764c	(85081724)	TRS :	2500.00	40.00	11.72953c	(85070124)
TRS :	3000.00	40.00	9.22131c	(85070124)	TRS :	3500.00	40.00	7.48957c	(85070124)
TRS :	4000.00	40.00	6.23257c	(85070124)	TRS :	4500.00	40.00	5.28795c	(85070124)
TRS :	5000.00	40.00	4.55719c	(85070124)	TRS :	1500.00	50.00	14.00129c	(85033124)
TRS :	2000.00	50.00	9.77198c	(85033124)	TRS :	2500.00	50.00	7.25149c	(85033124)
TRS :	3000.00	50.00	5.63664c	(85033124)	TRS :	3500.00	50.00	4.53285c	(85033124)
TRS :	4000.00	50.00	3.73943c	(85033124)	TRS :	4500.00	50.00	3.20324c	(85040524)
TRS :	5000.00	50.00	2.92385c	(85040524)	TRS :	1500.00	60.00	12.62351	(85121324)
TRS :	2000.00	60.00	9.08729	(85121324)	TRS :	2500.00	60.00	6.82849	(85121324)
TRS :	3000.00	60.00	5.34009	(85121324)	TRS :	3500.00	60.00	4.30877	(85121324)
TRS :	4000.00	60.00	3.56212	(85121324)	TRS :	4500.00	60.00	3.00302	(85121324)
TRS :	5000.00	60.00	2.70149c	(85120224)	TRS :	1500.00	70.00	18.96105c	(85052124)
TRS :	2000.00	70.00	11.86436c	(85052124)	TRS :	2500.00	70.00	8.21844c	(85052124)
TRS :	3000.00	70.00	6.11373c	(85052124)	TRS :	3500.00	70.00	4.77799c	(85052124)
TRS :	4000.00	70.00	3.86702c	(85052124)	TRS :	4500.00	70.00	3.21280c	(85052124)
TRS :	5000.00	70.00	2.72412c	(85052124)	TRS :	838.00	80.00	54.58214c	(85101124)
TRS :	1100.00	80.00	28.19685	(85041624)	TRS :	1500.00	80.00	21.88722c	(85061924)
TRS :	2000.00	80.00	15.31306c	(85061924)	TRS :	2500.00	80.00	10.44339c	(85061924)
TRS :	3000.00	80.00	7.45917c	(85061924)	TRS :	3500.00	80.00	5.60511c	(85061924)
TRS :	4000.00	80.00	4.39387c	(85061924)	TRS :	4500.00	80.00	3.56347c	(85061924)
TRS :	5000.00	80.00	2.96929c	(85061924)	TRS :	686.00	90.00	43.67144c	(85032324)
TRS :	1100.00	90.00	40.98520c	(85101124)	TRS :	1500.00	90.00	33.58329c	(85101124)
TRS :	2000.00	90.00	23.12306c	(85101124)	TRS :	2500.00	90.00	16.61244c	(85101124)
TRS :	3000.00	90.00	12.66469c	(85101124)	TRS :	3500.00	90.00	10.14842c	(85101124)
TRS :	4000.00	90.00	8.42659c	(85101124)	TRS :	4500.00	90.00	7.23520c	(85080224)
TRS :	5000.00	90.00	6.65712c	(85080224)	TRS :	533.00	100.00	57.49535c	(85012324)
TRS :	700.00	100.00	54.79420c	(85110624)	TRS :	1100.00	100.00	36.72070	(85011824)
TRS :	1500.00	100.00	31.49588c	(85032324)	TRS :	2000.00	100.00	20.19368c	(85032324)
TRS :	2500.00	100.00	11.59702c	(85032324)	TRS :	3000.00	100.00	7.77049c	(85110224)
TRS :	3500.00	100.00	6.58028c	(85110624)	TRS :	4000.00	100.00	6.32551c	(85110624)
TRS :	4500.00	100.00	6.01615c	(85110624)	TRS :	5000.00	100.00	5.68591c	(85110624)
TRS :	457.00	110.00	69.06979c	(85040224)	TRS :	700.00	110.00	46.59351	(85010524)
TRS :	1100.00	110.00	32.53508c	(85012324)	TRS :	1500.00	110.00	21.73407c	(85042724)
TRS :	2000.00	110.00	20.99695c	(85110624)	TRS :	2500.00	110.00	16.26246c	(85110624)
TRS :	3000.00	110.00	11.89314c	(85110624)	TRS :	3500.00	110.00	8.74527c	(85110624)
TRS :	4000.00	110.00	6.79000	(85011824)	TRS :	4500.00	110.00	6.16470	(85011824)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	5.61328	(85011824)	TRS :	457.00	120.00	46.48241c	(85070824)
TRS :	700.00	120.00	51.05872c	(85040224)	TRS :	1100.00	120.00	32.93383c	(85122024)
TRS :	1500.00	120.00	25.98122	(85010524)	TRS :	2000.00	120.00	18.63477	(85010524)
TRS :	2500.00	120.00	13.05837	(85010524)	TRS :	3000.00	120.00	9.67769	(85010524)
TRS :	3500.00	120.00	7.52656	(85010524)	TRS :	4000.00	120.00	6.73086c	(85122624)
TRS :	4500.00	120.00	6.32738c	(85122624)	TRS :	5000.00	120.00	5.86855c	(85122624)
TRS :	457.00	130.00	51.88305c	(85121624)	TRS :	700.00	130.00	31.40134c	(85021724)
TRS :	1100.00	130.00	23.24555c	(85011524)	TRS :	1500.00	130.00	22.43008c	(85040224)
TRS :	2000.00	130.00	19.98453c	(85040224)	TRS :	2500.00	130.00	16.59118c	(85040224)
TRS :	3000.00	130.00	13.53163c	(85040224)	TRS :	3500.00	130.00	11.07208c	(85040224)
TRS :	4000.00	130.00	9.15794c	(85040224)	TRS :	4500.00	130.00	8.06349c	(85122024)
TRS :	5000.00	130.00	7.61919c	(85122024)	TRS :	457.00	140.00	55.98775	(85020724)
TRS :	700.00	140.00	45.43899c	(85121624)	TRS :	1100.00	140.00	21.85767c	(85121624)
TRS :	1500.00	140.00	13.22424c	(85120524)	TRS :	2000.00	140.00	12.74729c	(85021724)
TRS :	2500.00	140.00	11.69422c	(85021724)	TRS :	3000.00	140.00	9.77309c	(85021724)
TRS :	3500.00	140.00	8.02355c	(85021724)	TRS :	4000.00	140.00	6.62070c	(85021724)
TRS :	4500.00	140.00	5.52668c	(85021724)	TRS :	5000.00	140.00	4.67262c	(85021724)
TRS :	457.00	150.00	45.72214c	(85040824)	TRS :	700.00	150.00	43.82654	(85020724)
TRS :	1100.00	150.00	29.46004c	(85121624)	TRS :	1500.00	150.00	23.67308c	(85121624)
TRS :	2000.00	150.00	18.06111c	(85121624)	TRS :	2500.00	150.00	13.61950c	(85121624)
TRS :	3000.00	150.00	10.36784c	(85121624)	TRS :	3500.00	150.00	8.10305c	(85121624)
TRS :	4000.00	150.00	6.52042c	(85121624)	TRS :	4500.00	150.00	5.38749c	(85121624)
TRS :	5000.00	150.00	4.55207c	(85121624)	TRS :	488.00	160.00	37.65700	(85121524)
TRS :	700.00	160.00	41.87783	(85121524)	TRS :	1100.00	160.00	21.99264c	(85040824)
TRS :	1500.00	160.00	16.33234	(85020724)	TRS :	2000.00	160.00	13.35049	(85020724)
TRS :	2500.00	160.00	10.76358	(85020724)	TRS :	3000.00	160.00	9.33019c	(85092624)
TRS :	3500.00	160.00	8.08465c	(85092624)	TRS :	4000.00	160.00	7.04358c	(85092624)
TRS :	4500.00	160.00	6.18840c	(85092624)	TRS :	5000.00	160.00	5.48483c	(85092624)
TRS :	533.00	170.00	44.26122c	(85100624)	TRS :	700.00	170.00	34.13587c	(85100624)
TRS :	1100.00	170.00	24.13563c	(85121924)	TRS :	1500.00	170.00	16.23620	(85020724)
TRS :	2000.00	170.00	12.60702	(85121524)	TRS :	2500.00	170.00	10.62523	(85121524)
TRS :	3000.00	170.00	9.18591	(85121524)	TRS :	3500.00	170.00	8.11757	(85121524)
TRS :	4000.00	170.00	7.28679	(85121524)	TRS :	4500.00	170.00	6.61459	(85121524)
TRS :	5000.00	170.00	6.05454	(85121524)	TRS :	610.00	180.00	34.96674c	(85022824)
TRS :	700.00	180.00	27.91131c	(85022824)	TRS :	1100.00	180.00	21.56164c	(85120724)
TRS :	1500.00	180.00	20.11257	(85120324)	TRS :	2000.00	180.00	16.95129c	(85040924)
TRS :	2500.00	180.00	14.21573c	(85040924)	TRS :	3000.00	180.00	11.94929c	(85040924)
TRS :	3500.00	180.00	10.87762c	(85100624)	TRS :	4000.00	180.00	9.95354c	(85100624)
TRS :	4500.00	180.00	9.09459c	(85100624)	TRS :	5000.00	180.00	8.32206c	(85100624)
TRS :	750.00	190.00	24.60899c	(85102524)	TRS :	1100.00	190.00	18.49437c	(85112324)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID		DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID		DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS	:	1500.00	190.00	13.50163c	(85112324)	TRS	:	2000.00	190.00	10.16108c	(85121924)
TRS	:	2500.00	190.00	8.54906c	(85121924)	TRS	:	3000.00	190.00	7.59628c	(85022824)
TRS	:	3500.00	190.00	6.84550c	(85022824)	TRS	:	4000.00	190.00	6.18658c	(85022824)
TRS	:	4500.00	190.00	5.61504c	(85022824)	TRS	:	5000.00	190.00	5.12050c	(85022824)
TRS	:	1829.00	200.00	15.24268c	(85102524)	TRS	:	2000.00	200.00	13.93193c	(85102524)
TRS	:	2500.00	200.00	10.99380c	(85102524)	TRS	:	3000.00	200.00	8.97132c	(85102524)
TRS	:	3500.00	200.00	7.50509c	(85102524)	TRS	:	4000.00	200.00	6.40122c	(85102524)
TRS	:	4500.00	200.00	5.54486c	(85102524)	TRS	:	5000.00	200.00	4.86460c	(85102524)
TRS	:	1829.00	210.00	14.72341c	(85112424)	TRS	:	2000.00	210.00	13.51624c	(85112424)
TRS	:	2500.00	210.00	10.76986c	(85112424)	TRS	:	3000.00	210.00	8.85108c	(85112424)
TRS	:	3500.00	210.00	7.44206c	(85112424)	TRS	:	4000.00	210.00	6.37127c	(85112424)
TRS	:	4500.00	210.00	5.53472c	(85112424)	TRS	:	5000.00	210.00	4.86634c	(85112424)
TRS	:	1981.00	220.00	8.97175	(85111124)	TRS	:	2000.00	220.00	8.89614	(85111124)
TRS	:	2500.00	220.00	7.26457	(85050424)	TRS	:	3000.00	220.00	6.16772	(85050424)
TRS	:	3500.00	220.00	5.32931	(85050424)	TRS	:	4000.00	220.00	4.67422	(85050424)
TRS	:	4500.00	220.00	4.14906	(85050424)	TRS	:	5000.00	220.00	3.71833	(85050424)
TRS	:	2134.00	230.00	10.07367c	(85091724)	TRS	:	2500.00	230.00	8.61821c	(85091724)
TRS	:	3000.00	230.00	7.15707c	(85091724)	TRS	:	3500.00	230.00	6.09145c	(85091724)
TRS	:	4000.00	230.00	5.28398c	(85091724)	TRS	:	4500.00	230.00	4.65039c	(85091724)
TRS	:	5000.00	230.00	4.14009c	(85091724)	TRS	:	2438.00	240.00	8.08002	(85020424)
TRS	:	2500.00	240.00	7.85706	(85020424)	TRS	:	3000.00	240.00	6.58111	(85091424)
TRS	:	3500.00	240.00	5.62770	(85091424)	TRS	:	4000.00	240.00	4.88129	(85091424)
TRS	:	4500.00	240.00	4.28554	(85091424)	TRS	:	5000.00	240.00	3.80171	(85091424)
TRS	:	2896.00	250.00	8.05758c	(85081224)	TRS	:	3000.00	250.00	7.75422c	(85081224)
TRS	:	3500.00	250.00	6.50801c	(85081224)	TRS	:	4000.00	250.00	5.54581c	(85081224)
TRS	:	4500.00	250.00	4.79125c	(85081224)	TRS	:	5000.00	250.00	4.19136c	(85081224)
TRS	:	3048.00	260.00	13.99076c	(85081524)	TRS	:	3500.00	260.00	11.75013c	(85081524)
TRS	:	4000.00	260.00	9.76486c	(85081524)	TRS	:	4500.00	260.00	8.20880c	(85081524)
TRS	:	5000.00	260.00	6.98301c	(85081524)	TRS	:	3658.00	270.00	10.44186c	(85102324)
TRS	:	4000.00	270.00	9.53296c	(85102324)	TRS	:	4500.00	270.00	8.41396c	(85102324)
TRS	:	5000.00	270.00	7.49508c	(85102324)	TRS	:	3962.00	280.00	8.93005	(85041224)
TRS	:	4000.00	280.00	8.80733	(85041224)	TRS	:	4500.00	280.00	7.41582	(85041224)
TRS	:	5000.00	280.00	6.34785	(85041224)	TRS	:	4572.00	290.00	5.50790c	(85112524)
TRS	:	5000.00	290.00	4.76002c	(85112524)	TRS	:	5182.00	300.00	4.35955c	(85032124)
TRS	:	4801.00	310.00	4.67892c	(85010124)	TRS	:	5000.00	310.00	4.39127c	(85010124)
TRS	:	4875.00	320.00	4.92402c	(85062924)	TRS	:	5000.00	320.00	4.81797c	(85062924)
TRS	:	6000.00	330.00	4.14245c	(85112924)	TRS	:	5500.00	340.00	3.63899c	(85082124)
TRS	:	5250.00	350.00	5.65913c	(85112824)	TRS	:	5125.00	360.00	4.52816c	(85052024)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID		DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID		DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS	:	5000.00	10.00	11.10948c	(85061308)	TRS	:	4500.00	20.00	13.71280	(85063024)
TRS	:	5000.00	20.00	12.05763	(85063024)	TRS	:	2500.00	30.00	17.21766c	(85082124)
TRS	:	3000.00	30.00	13.37708c	(85082124)	TRS	:	3500.00	30.00	10.78351c	(85082124)
TRS	:	4000.00	30.00	8.92048c	(85082124)	TRS	:	4500.00	30.00	7.53177c	(85082124)
TRS	:	5000.00	30.00	6.46535c	(85082124)	TRS	:	2500.00	40.00	15.51375	(85070116)
TRS	:	3000.00	40.00	14.17882c	(85012008)	TRS	:	3500.00	40.00	12.94051c	(85012008)
TRS	:	4000.00	40.00	11.73796c	(85012008)	TRS	:	4500.00	40.00	10.66353c	(85012008)
TRS	:	5000.00	40.00	9.72901c	(85012008)	TRS	:	1500.00	50.00	20.45738	(85123124)
TRS	:	2000.00	50.00	15.33473	(85123124)	TRS	:	2500.00	50.00	12.08241	(85123124)
TRS	:	3000.00	50.00	10.04325c	(85100408)	TRS	:	3500.00	50.00	9.18261c	(85100408)
TRS	:	4000.00	50.00	8.47538c	(85100408)	TRS	:	4500.00	50.00	7.87767c	(85100408)
TRS	:	5000.00	50.00	7.33975c	(85100408)	TRS	:	1500.00	60.00	37.37098	(85121324)
TRS	:	2000.00	60.00	27.07244	(85121324)	TRS	:	2500.00	60.00	20.38971	(85121324)
TRS	:	3000.00	60.00	15.96293	(85121324)	TRS	:	3500.00	60.00	12.88817	(85121324)
TRS	:	4000.00	60.00	10.65919	(85121324)	TRS	:	4500.00	60.00	8.98877	(85121324)
TRS	:	5000.00	60.00	7.76678	(85120208)	TRS	:	1500.00	70.00	30.00391c	(85091024)
TRS	:	2000.00	70.00	17.24714	(85052124)	TRS	:	2500.00	70.00	12.41545	(85052124)
TRS	:	3000.00	70.00	10.40456c	(85071424)	TRS	:	3500.00	70.00	9.04202c	(85071424)
TRS	:	4000.00	70.00	7.89643c	(85071424)	TRS	:	4500.00	70.00	6.94513c	(85071424)
TRS	:	5000.00	70.00	6.15465c	(85071424)	TRS	:	838.00	80.00	79.88954	(85101108)
TRS	:	1100.00	80.00	56.30132	(85041608)	TRS	:	1500.00	80.00	35.77539	(85041608)
TRS	:	2000.00	80.00	23.42709	(85110724)	TRS	:	2500.00	80.00	17.61140	(85110724)
TRS	:	3000.00	80.00	13.34238c	(85031324)	TRS	:	3500.00	80.00	10.96105c	(85031324)
TRS	:	4000.00	80.00	9.24181c	(85081724)	TRS	:	4500.00	80.00	8.12222c	(85081724)
TRS	:	5000.00	80.00	7.15742c	(85081724)	TRS	:	686.00	90.00	65.12014c	(85122216)
TRS	:	1100.00	90.00	65.96156c	(85042424)	TRS	:	1500.00	90.00	53.47013	(85101108)
TRS	:	2000.00	90.00	41.35288	(85101108)	TRS	:	2500.00	90.00	31.06154	(85101108)
TRS	:	3000.00	90.00	26.19003c	(85080208)	TRS	:	3500.00	90.00	24.88778c	(85080208)
TRS	:	4000.00	90.00	23.18426c	(85080208)	TRS	:	4500.00	90.00	21.42172c	(85080208)
TRS	:	5000.00	90.00	19.74177c	(85080208)	TRS	:	533.00	100.00	108.43034	(85012308)
TRS	:	700.00	100.00	76.03069c	(85110608)	TRS	:	1100.00	100.00	69.69537	(85042908)
TRS	:	1500.00	100.00	66.49362	(85032308)	TRS	:	2000.00	100.00	40.90643	(85032308)
TRS	:	2500.00	100.00	24.30543c	(85110208)	TRS	:	3000.00	100.00	22.31006c	(85110208)
TRS	:	3500.00	100.00	19.40832c	(85110208)	TRS	:	4000.00	100.00	16.63936c	(85110208)
TRS	:	4500.00	100.00	14.26429c	(85110208)	TRS	:	5000.00	100.00	12.29542c	(85110208)
TRS	:	457.00	110.00	116.31580c	(85053108)	TRS	:	700.00	110.00	71.23415	(85060208)
TRS	:	1100.00	110.00	64.20600	(85012308)	TRS	:	1500.00	110.00	47.81593	(85042724)
TRS	:	2000.00	110.00	31.60824c	(85110608)	TRS	:	2500.00	110.00	26.87926c	(85110608)
TRS	:	3000.00	110.00	25.08472c	(85070208)	TRS	:	3500.00	110.00	24.05637c	(85070208)
TRS	:	4000.00	110.00	22.36358c	(85070208)	TRS	:	4500.00	110.00	20.51446c	(85070208)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	18.72645c	(85070208)	TRS :	457.00	120.00	84.21854c	(85021708)
TRS :	700.00	120.00	89.33839c	(85040224)	TRS :	1100.00	120.00	54.14702c	(85041708)
TRS :	1500.00	120.00	36.75977	(85010524)	TRS :	2000.00	120.00	26.67745	(85060208)
TRS :	2500.00	120.00	21.00304	(85060208)	TRS :	3000.00	120.00	17.96012	(85040724)
TRS :	3500.00	120.00	16.44246	(85040724)	TRS :	4000.00	120.00	14.56688	(85040724)
TRS :	4500.00	120.00	12.74259	(85040724)	TRS :	5000.00	120.00	11.83421	(85012308)
TRS :	457.00	130.00	95.25247	(85020724)	TRS :	700.00	130.00	74.92657c	(85021708)
TRS :	1100.00	130.00	40.27291c	(85051608)	TRS :	1500.00	130.00	38.05436c	(85040224)
TRS :	2000.00	130.00	32.23455c	(85040224)	TRS :	2500.00	130.00	26.92708c	(85053108)
TRS :	3000.00	130.00	26.37954c	(85053108)	TRS :	3500.00	130.00	24.97248c	(85053108)
TRS :	4000.00	130.00	23.03355c	(85053108)	TRS :	4500.00	130.00	20.93125c	(85053108)
TRS :	5000.00	130.00	18.88812c	(85053108)	TRS :	457.00	140.00	101.49857	(85020708)
TRS :	700.00	140.00	70.17644	(85020724)	TRS :	1100.00	140.00	50.14762	(85020724)
TRS :	1500.00	140.00	26.27052	(85020724)	TRS :	2000.00	140.00	34.89825c	(85021708)
TRS :	2500.00	140.00	33.17230c	(85021708)	TRS :	3000.00	140.00	28.10360c	(85021708)
TRS :	3500.00	140.00	23.23601c	(85021708)	TRS :	4000.00	140.00	19.25647c	(85021708)
TRS :	4500.00	140.00	16.12190c	(85021708)	TRS :	5000.00	140.00	13.65986c	(85021708)
TRS :	457.00	150.00	88.31671c	(85062508)	TRS :	700.00	150.00	95.97842	(85020708)
TRS :	1100.00	150.00	45.68607c	(85051624)	TRS :	1500.00	150.00	41.26778c	(85051624)
TRS :	2000.00	150.00	28.38680c	(85051624)	TRS :	2500.00	150.00	21.49929c	(85121624)
TRS :	3000.00	150.00	16.84008c	(85121624)	TRS :	3500.00	150.00	13.73921	(85020724)
TRS :	4000.00	150.00	11.83845	(85020724)	TRS :	4500.00	150.00	10.28364	(85020724)
TRS :	5000.00	150.00	9.01091	(85020724)	TRS :	488.00	160.00	68.69772c	(85121708)
TRS :	700.00	160.00	60.83188c	(85021624)	TRS :	1100.00	160.00	50.88564c	(85062508)
TRS :	1500.00	160.00	38.40097	(85020708)	TRS :	2000.00	160.00	32.17775	(85080508)
TRS :	2500.00	160.00	26.64181	(85080508)	TRS :	3000.00	160.00	22.81524c	(85092608)
TRS :	3500.00	160.00	20.10985c	(85092608)	TRS :	4000.00	160.00	17.75590c	(85092608)
TRS :	4500.00	160.00	15.77206c	(85092608)	TRS :	5000.00	160.00	14.10880c	(85092608)
TRS :	533.00	170.00	79.55732	(85100608)	TRS :	700.00	170.00	70.97337c	(85121924)
TRS :	1100.00	170.00	49.13187c	(85121924)	TRS :	1500.00	170.00	33.19248c	(85121708)
TRS :	2000.00	170.00	25.47920	(85121524)	TRS :	2500.00	170.00	21.54414	(85121524)
TRS :	3000.00	170.00	18.11494	(85121524)	TRS :	3500.00	170.00	15.59353c	(85021624)
TRS :	4000.00	170.00	14.60954c	(85021624)	TRS :	4500.00	170.00	13.58324c	(85021624)
TRS :	5000.00	170.00	12.58933c	(85021624)	TRS :	610.00	180.00	61.25019c	(85101708)
TRS :	700.00	180.00	51.81350c	(85101708)	TRS :	1100.00	180.00	36.47369	(85091508)
TRS :	1500.00	180.00	34.01995	(85120308)	TRS :	2000.00	180.00	27.61981	(85040908)
TRS :	2500.00	180.00	25.33867	(85040908)	TRS :	3000.00	180.00	23.55171	(85100608)
TRS :	3500.00	180.00	21.95316	(85100608)	TRS :	4000.00	180.00	20.22809	(85100608)
TRS :	4500.00	180.00	18.56996	(85100608)	TRS :	5000.00	180.00	17.04891	(85100608)
TRS :	750.00	190.00	56.35389c	(85020824)	TRS :	1100.00	190.00	46.96863c	(85110908)

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	35.54651c	(85101708)	TRS :	2000.00	190.00	28.75784c	(85101708)
TRS :	2500.00	190.00	24.35690c	(85101708)	TRS :	3000.00	190.00	21.20097c	(85101708)
TRS :	3500.00	190.00	18.80326c	(85101708)	TRS :	4000.00	190.00	16.91169c	(85101708)
TRS :	4500.00	190.00	15.37865c	(85101708)	TRS :	5000.00	190.00	14.10996c	(85101708)
TRS :	1829.00	200.00	25.09193c	(85111208)	TRS :	2000.00	200.00	23.05868c	(85111208)
TRS :	2500.00	200.00	18.28468c	(85111208)	TRS :	3000.00	200.00	14.86612c	(85111208)
TRS :	3500.00	200.00	12.35630c	(85111208)	TRS :	4000.00	200.00	11.03650c	(85041108)
TRS :	4500.00	200.00	10.27790c	(85041108)	TRS :	5000.00	200.00	9.58453c	(85041108)
TRS :	1829.00	210.00	30.71874	(85092108)	TRS :	2000.00	210.00	28.68867	(85092108)
TRS :	2500.00	210.00	23.86611	(85092108)	TRS :	3000.00	210.00	20.27641	(85092108)
TRS :	3500.00	210.00	17.52667	(85092108)	TRS :	4000.00	210.00	15.36447	(85092108)
TRS :	4500.00	210.00	13.62321	(85092108)	TRS :	5000.00	210.00	12.19505	(85092108)
TRS :	1981.00	220.00	23.05291	(85041408)	TRS :	2000.00	220.00	22.81343	(85041408)
TRS :	2500.00	220.00	17.68832	(85041408)	TRS :	3000.00	220.00	14.20307	(85041408)
TRS :	3500.00	220.00	11.70276	(85041408)	TRS :	4000.00	220.00	9.85038	(85111108)
TRS :	4500.00	220.00	8.56632	(85111108)	TRS :	5000.00	220.00	7.53331	(85111108)
TRS :	2134.00	230.00	17.83574c	(85030808)	TRS :	2500.00	230.00	15.04742c	(85030808)
TRS :	3000.00	230.00	12.53639	(85031608)	TRS :	3500.00	230.00	10.72963	(85031608)
TRS :	4000.00	230.00	9.32624	(85031608)	TRS :	4500.00	230.00	8.21712	(85031608)
TRS :	5000.00	230.00	7.33141c	(85091708)	TRS :	2438.00	240.00	19.49789c	(85120824)
TRS :	2500.00	240.00	19.13971c	(85120824)	TRS :	3000.00	240.00	16.58543c	(85120824)
TRS :	3500.00	240.00	14.55250c	(85120824)	TRS :	4000.00	240.00	12.92052c	(85120824)
TRS :	4500.00	240.00	11.58314c	(85120824)	TRS :	5000.00	240.00	10.46864c	(85120824)
TRS :	2896.00	250.00	15.72511c	(85081208)	TRS :	3000.00	250.00	15.10021c	(85081208)
TRS :	3500.00	250.00	12.55955c	(85081208)	TRS :	4000.00	250.00	10.62985c	(85081208)
TRS :	4500.00	250.00	9.44569	(85040708)	TRS :	5000.00	250.00	8.48124	(85040708)
TRS :	3048.00	260.00	39.88546c	(85081508)	TRS :	3500.00	260.00	33.31385c	(85081508)
TRS :	4000.00	260.00	27.52903c	(85081508)	TRS :	4500.00	260.00	23.02229c	(85081508)
TRS :	5000.00	260.00	19.49146c	(85081508)	TRS :	3658.00	270.00	22.64429c	(85102324)
TRS :	4000.00	270.00	20.63984c	(85102324)	TRS :	4500.00	270.00	18.19019c	(85102324)
TRS :	5000.00	270.00	16.19198c	(85102324)	TRS :	3962.00	280.00	18.82029c	(85030408)
TRS :	4000.00	280.00	18.54614c	(85030408)	TRS :	4500.00	280.00	15.43479c	(85030408)
TRS :	5000.00	280.00	13.05134c	(85030408)	TRS :	4572.00	290.00	13.32959c	(85072608)
TRS :	5000.00	290.00	12.08553c	(85072608)	TRS :	5182.00	300.00	13.40050c	(85032108)
TRS :	4801.00	310.00	11.57833c	(85112824)	TRS :	5000.00	310.00	11.15034c	(85112824)
TRS :	4875.00	320.00	14.43372c	(85062908)	TRS :	5000.00	320.00	14.12755c	(85062908)
TRS :	6000.00	330.00	9.26130c	(85112908)	TRS :	5500.00	340.00	8.70533c	(85082424)
TRS :	5250.00	350.00	18.80169c	(85112808)	TRS :	5125.00	360.00	11.76742c	(85052024)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	22.21896c	(85061303)	TRS :	4500.00	20.00	30.16976	(85063021)
TRS :	5000.00	20.00	26.80168	(85063021)	TRS :	2500.00	30.00	35.01784	(85080818)
TRS :	3000.00	30.00	27.61624	(85081721)	TRS :	3500.00	30.00	23.07810	(85081721)
TRS :	4000.00	30.00	19.69049	(85081721)	TRS :	4500.00	30.00	17.07006	(85081721)
TRS :	5000.00	30.00	14.99208	(85081721)	TRS :	2500.00	40.00	37.97502	(85012009)
TRS :	3000.00	40.00	34.31228	(85012009)	TRS :	3500.00	40.00	30.65502	(85012009)
TRS :	4000.00	40.00	27.39410	(85012009)	TRS :	4500.00	40.00	24.60583	(85012009)
TRS :	5000.00	40.00	22.24687	(85012009)	TRS :	1500.00	50.00	41.21774	(85022612)
TRS :	2000.00	50.00	29.46723	(85022612)	TRS :	2500.00	50.00	24.77991	(85120118)
TRS :	3000.00	50.00	21.20982	(85120118)	TRS :	3500.00	50.00	18.39253	(85120118)
TRS :	4000.00	50.00	16.95076	(85100403)	TRS :	4500.00	50.00	15.75535	(85100403)
TRS :	5000.00	50.00	14.67950	(85100403)	TRS :	1500.00	60.00	49.45897	(85121318)
TRS :	2000.00	60.00	36.59259	(85121318)	TRS :	2500.00	60.00	27.75201	(85121318)
TRS :	3000.00	60.00	21.78134	(85121318)	TRS :	3500.00	60.00	17.68490	(85120203)
TRS :	4000.00	60.00	15.69231	(85120203)	TRS :	4500.00	60.00	14.03767	(85120203)
TRS :	5000.00	60.00	12.63580	(85120203)	TRS :	1500.00	70.00	46.31343	(85091018)
TRS :	2000.00	70.00	33.80940	(85053121)	TRS :	2500.00	70.00	26.07851	(85053121)
TRS :	3000.00	70.00	20.80912	(85071421)	TRS :	3500.00	70.00	18.08404	(85071421)
TRS :	4000.00	70.00	15.79286	(85071421)	TRS :	4500.00	70.00	13.89025	(85071421)
TRS :	5000.00	70.00	12.30931	(85071421)	TRS :	838.00	80.00	152.63182	(85080203)
TRS :	1100.00	80.00	90.48173c	(85040324)	TRS :	1500.00	80.00	54.73005	(85041606)
TRS :	2000.00	80.00	41.04765	(85041606)	TRS :	2500.00	80.00	32.82692	(85031321)
TRS :	3000.00	80.00	26.68477	(85031321)	TRS :	3500.00	80.00	23.81396c	(85081724)
TRS :	4000.00	80.00	21.12322c	(85081724)	TRS :	4500.00	80.00	18.64016c	(85081724)
TRS :	5000.00	80.00	16.47163c	(85081724)	TRS :	686.00	90.00	129.68172	(85070721)
TRS :	1100.00	90.00	115.90359	(85042421)	TRS :	1500.00	90.00	58.00505	(85042421)
TRS :	2000.00	90.00	46.65062	(85101106)	TRS :	2500.00	90.00	37.02253	(85080203)
TRS :	3000.00	90.00	43.47100	(85080203)	TRS :	3500.00	90.00	45.37477	(85080203)
TRS :	4000.00	90.00	44.80078	(85080203)	TRS :	4500.00	90.00	43.01839	(85080203)
TRS :	5000.00	90.00	40.72184	(85080203)	TRS :	533.00	100.00	171.53687	(85012306)
TRS :	700.00	100.00	125.18298	(85110606)	TRS :	1100.00	100.00	106.21258	(85042906)
TRS :	1500.00	100.00	112.42068	(85032306)	TRS :	2000.00	100.00	61.41675	(85032306)
TRS :	2500.00	100.00	50.59874	(85092624)	TRS :	3000.00	100.00	44.61305	(85110203)
TRS :	3500.00	100.00	38.80270	(85110203)	TRS :	4000.00	100.00	33.25686	(85110203)
TRS :	4500.00	100.00	28.49883	(85110203)	TRS :	5000.00	100.00	24.55389	(85110203)
TRS :	457.00	110.00	166.35834c	(85053103)	TRS :	700.00	110.00	135.33783	(85012506)
TRS :	1100.00	110.00	99.94883	(85012306)	TRS :	1500.00	110.00	63.90667	(85041624)
TRS :	2000.00	110.00	58.66106	(85110606)	TRS :	2500.00	110.00	49.04034	(85110606)
TRS :	3000.00	110.00	37.26075	(85070206)	TRS :	3500.00	110.00	35.43799	(85070206)
TRS :	4000.00	110.00	32.71319	(85070206)	TRS :	4500.00	110.00	29.83237	(85070206)

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	27.09606	(85070206)	TRS :	457.00	120.00	146.01674	(85072409)
TRS :	700.00	120.00	114.40234c	(85010806)	TRS :	1100.00	120.00	105.83197	(85041706)
TRS :	1500.00	120.00	68.79752	(85070906)	TRS :	2000.00	120.00	56.55322	(85012506)
TRS :	2500.00	120.00	48.50803	(85040724)	TRS :	3000.00	120.00	47.89363	(85040724)
TRS :	3500.00	120.00	43.84652	(85040724)	TRS :	4000.00	120.00	38.84497	(85040724)
TRS :	4500.00	120.00	33.98018	(85040724)	TRS :	5000.00	120.00	29.64170	(85040724)
TRS :	457.00	130.00	144.13564	(85120212)	TRS :	700.00	130.00	114.79559	(85072409)
TRS :	1100.00	130.00	79.39026	(85040209)	TRS :	1500.00	130.00	70.52956c	(85122124)
TRS :	2000.00	130.00	56.32592c	(85010806)	TRS :	2500.00	130.00	43.09047	(85040206)
TRS :	3000.00	130.00	41.81466	(85040206)	TRS :	3500.00	130.00	39.65483c	(85053103)
TRS :	4000.00	130.00	38.85519c	(85053103)	TRS :	4500.00	130.00	36.61894c	(85053103)
TRS :	5000.00	130.00	33.84335c	(85053103)	TRS :	457.00	140.00	164.78737	(85010524)
TRS :	700.00	140.00	115.73883	(85120212)	TRS :	1100.00	140.00	87.56188	(85020721)
TRS :	1500.00	140.00	56.45438	(85091306)	TRS :	2000.00	140.00	33.78102	(85122521)
TRS :	2500.00	140.00	33.31313	(85122121)	TRS :	3000.00	140.00	30.22355	(85122121)
TRS :	3500.00	140.00	26.32876	(85122121)	TRS :	4000.00	140.00	24.84544	(85070903)
TRS :	4500.00	140.00	23.36041	(85070903)	TRS :	5000.00	140.00	21.57641	(85070903)
TRS :	457.00	150.00	125.39032	(85011918)	TRS :	700.00	150.00	122.98606	(85031715)
TRS :	1100.00	150.00	82.58314	(85080209)	TRS :	1500.00	150.00	73.54223	(85071924)
TRS :	2000.00	150.00	55.56570	(85071924)	TRS :	2500.00	150.00	38.61664	(85101218)
TRS :	3000.00	150.00	30.70181c	(85032206)	TRS :	3500.00	150.00	27.05055c	(85032206)
TRS :	4000.00	150.00	23.14188c	(85032206)	TRS :	4500.00	150.00	19.63271c	(85032206)
TRS :	5000.00	150.00	16.67092c	(85032206)	TRS :	488.00	160.00	141.46458	(85030918)
TRS :	700.00	160.00	111.86306	(85040809)	TRS :	1100.00	160.00	72.39633	(85011918)
TRS :	1500.00	160.00	62.41739	(85031715)	TRS :	2000.00	160.00	52.38280	(85031715)
TRS :	2500.00	160.00	41.91982	(85031715)	TRS :	3000.00	160.00	35.38717	(85080503)
TRS :	3500.00	160.00	31.74980	(85010524)	TRS :	4000.00	160.00	31.55656	(85010524)
TRS :	4500.00	160.00	30.62808	(85010524)	TRS :	5000.00	160.00	29.34981	(85010524)
TRS :	533.00	170.00	167.14333	(85100606)	TRS :	700.00	170.00	105.72810	(85110806)
TRS :	1100.00	170.00	76.87623c	(85123009)	TRS :	1500.00	170.00	57.95984	(85121521)
TRS :	2000.00	170.00	50.34727	(85121521)	TRS :	2500.00	170.00	38.99908	(85121521)
TRS :	3000.00	170.00	29.85109	(85121521)	TRS :	3500.00	170.00	26.19694	(85121903)
TRS :	4000.00	170.00	23.55705	(85121903)	TRS :	4500.00	170.00	21.28921	(85121903)
TRS :	5000.00	170.00	20.34268	(85091303)	TRS :	610.00	180.00	122.46601	(85101709)
TRS :	700.00	180.00	103.62273	(85101709)	TRS :	1100.00	180.00	70.51099	(85091718)
TRS :	1500.00	180.00	70.18048	(85120324)	TRS :	2000.00	180.00	57.83899	(85120324)
TRS :	2500.00	180.00	50.07704	(85100606)	TRS :	3000.00	180.00	49.05370	(85100606)
TRS :	3500.00	180.00	46.32077	(85100606)	TRS :	4000.00	180.00	43.06720	(85100606)
TRS :	4500.00	180.00	39.80353	(85100606)	TRS :	5000.00	180.00	36.73546	(85100606)
TRS :	750.00	190.00	93.06066	(85121909)	TRS :	1100.00	190.00	73.13081	(85121909)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID		DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID		DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS	:	1500.00	190.00	59.82236	(85101709)	TRS	:	2000.00	190.00	53.09637	(85101709)
TRS	:	2500.00	190.00	46.63261	(85101709)	TRS	:	3000.00	190.00	41.28351	(85101709)
TRS	:	3500.00	190.00	36.94530	(85101709)	TRS	:	4000.00	190.00	33.40375	(85101709)
TRS	:	4500.00	190.00	30.47611	(85101709)	TRS	:	5000.00	190.00	28.02329	(85101709)
TRS	:	1829.00	200.00	54.91560c	(85111206)	TRS	:	2000.00	200.00	50.80165c	(85111206)
TRS	:	2500.00	200.00	40.81610c	(85111206)	TRS	:	3000.00	200.00	33.45546c	(85111206)
TRS	:	3500.00	200.00	27.96071c	(85111206)	TRS	:	4000.00	200.00	23.75483c	(85111206)
TRS	:	4500.00	200.00	20.55581c	(85041103)	TRS	:	5000.00	200.00	19.16905c	(85041103)
TRS	:	1829.00	210.00	40.28018c	(85092506)	TRS	:	2000.00	210.00	37.73259	(85071921)
TRS	:	2500.00	210.00	33.52651	(85071921)	TRS	:	3000.00	210.00	30.05076	(85071921)
TRS	:	3500.00	210.00	27.15263	(85071921)	TRS	:	4000.00	210.00	24.70850	(85071921)
TRS	:	4500.00	210.00	22.62451	(85071921)	TRS	:	5000.00	210.00	20.82983	(85071921)
TRS	:	1981.00	220.00	41.18729	(85111103)	TRS	:	2000.00	220.00	40.86949	(85111103)
TRS	:	2500.00	220.00	33.63471	(85111103)	TRS	:	3000.00	220.00	28.19681	(85111103)
TRS	:	3500.00	220.00	24.02482	(85111103)	TRS	:	4000.00	220.00	20.75719	(85111103)
TRS	:	4500.00	220.00	18.54020	(85092724)	TRS	:	5000.00	220.00	17.32240	(85092724)
TRS	:	2134.00	230.00	32.21735	(85111409)	TRS	:	2500.00	230.00	27.59241	(85111409)
TRS	:	3000.00	230.00	22.77700	(85111409)	TRS	:	3500.00	230.00	19.56386	(85031606)
TRS	:	4000.00	230.00	17.10182	(85031606)	TRS	:	4500.00	230.00	15.14839	(85031606)
TRS	:	5000.00	230.00	13.57584	(85031606)	TRS	:	2438.00	240.00	26.32139	(85020403)
TRS	:	2500.00	240.00	25.56317	(85020403)	TRS	:	3000.00	240.00	20.50780	(85020403)
TRS	:	3500.00	240.00	16.84985	(85020403)	TRS	:	4000.00	240.00	14.11900	(85020403)
TRS	:	4500.00	240.00	12.34118	(85101806)	TRS	:	5000.00	240.00	11.23524	(85101806)
TRS	:	2896.00	250.00	26.43156	(85041721)	TRS	:	3000.00	250.00	26.03079	(85041721)
TRS	:	3500.00	250.00	24.07644	(85041721)	TRS	:	4000.00	250.00	22.20611	(85041721)
TRS	:	4500.00	250.00	20.46737	(85041721)	TRS	:	5000.00	250.00	18.90380	(85041721)
TRS	:	3048.00	260.00	55.02531	(85081503)	TRS	:	3500.00	260.00	45.55941	(85081503)
TRS	:	4000.00	260.00	37.25448	(85081503)	TRS	:	4500.00	260.00	30.82773	(85081503)
TRS	:	5000.00	260.00	25.83325	(85081503)	TRS	:	3658.00	270.00	30.55561	(85052621)
TRS	:	4000.00	270.00	28.68777	(85052621)	TRS	:	4500.00	270.00	25.97321	(85052621)
TRS	:	5000.00	270.00	23.45653	(85052621)	TRS	:	3962.00	280.00	26.23702	(85022409)
TRS	:	4000.00	280.00	25.90379	(85022409)	TRS	:	4500.00	280.00	22.04529	(85022409)
TRS	:	5000.00	280.00	19.00610	(85022409)	TRS	:	4572.00	290.00	27.37729	(85083003)
TRS	:	5000.00	290.00	25.22629	(85083003)	TRS	:	5182.00	300.00	16.61962	(85072103)
TRS	:	4801.00	310.00	19.96667	(85062621)	TRS	:	5000.00	310.00	18.87275	(85062621)
TRS	:	4875.00	320.00	23.55304	(85020106)	TRS	:	5000.00	320.00	22.43425	(85020106)
TRS	:	6000.00	330.00	18.04263	(85020109)	TRS	:	5500.00	340.00	17.41034c	(85082421)
TRS	:	5250.00	350.00	23.05564	(85113006)	TRS	:	5125.00	360.00	21.40436	(85052021)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	66.65688	(85061301)	TRS :	4500.00	20.00	54.94782	(85071321)
TRS :	5000.00	20.00	48.22322	(85071321)	TRS :	2500.00	30.00	86.44097	(85082119)
TRS :	3000.00	30.00	68.22401	(85082119)	TRS :	3500.00	30.00	57.23050	(85110724)
TRS :	4000.00	30.00	51.28218	(85110724)	TRS :	4500.00	30.00	46.36717	(85110724)
TRS :	5000.00	30.00	42.24141	(85110724)	TRS :	2500.00	40.00	82.30550	(85012008)
TRS :	3000.00	40.00	77.68712	(85012008)	TRS :	3500.00	40.00	71.20033	(85012008)
TRS :	4000.00	40.00	64.72586	(85012008)	TRS :	4500.00	40.00	58.88107	(85012008)
TRS :	5000.00	40.00	53.77443	(85012008)	TRS :	1500.00	50.00	82.42570	(85022610)
TRS :	2000.00	50.00	62.58385	(85022610)	TRS :	2500.00	50.00	48.93497	(85022610)
TRS :	3000.00	50.00	44.36314	(85100403)	TRS :	3500.00	50.00	42.11911	(85100403)
TRS :	4000.00	50.00	39.95958	(85100403)	TRS :	4500.00	50.00	37.93279	(85100403)
TRS :	5000.00	50.00	35.93468	(85100403)	TRS :	1500.00	60.00	96.61991	(85081818)
TRS :	2000.00	60.00	71.05521	(85081818)	TRS :	2500.00	60.00	53.63876	(85081818)
TRS :	3000.00	60.00	41.91138	(85081818)	TRS :	3500.00	60.00	33.73154	(85081818)
TRS :	4000.00	60.00	29.44715	(85060723)	TRS :	4500.00	60.00	26.67719	(85060723)
TRS :	5000.00	60.00	24.28691	(85060723)	TRS :	1500.00	70.00	114.91537	(85052104)
TRS :	2000.00	70.00	80.16873	(85071420)	TRS :	2500.00	70.00	71.67626	(85071420)
TRS :	3000.00	70.00	62.42736	(85071420)	TRS :	3500.00	70.00	54.25212	(85071420)
TRS :	4000.00	70.00	47.37858	(85071420)	TRS :	4500.00	70.00	41.67076	(85071420)
TRS :	5000.00	70.00	36.92792	(85071420)	TRS :	838.00	80.00	252.01718	(85060408)
TRS :	1100.00	80.00	205.29280	(85070308)	TRS :	1500.00	80.00	153.19052	(85070208)
TRS :	2000.00	80.00	109.93681	(85071317)	TRS :	2500.00	80.00	84.57629	(85082517)
TRS :	3000.00	80.00	78.90421	(85081722)	TRS :	3500.00	80.00	71.44187	(85081722)
TRS :	4000.00	80.00	63.36966	(85081722)	TRS :	4500.00	80.00	55.92048	(85081722)
TRS :	5000.00	80.00	49.41489	(85081722)	TRS :	686.00	90.00	260.67090	(85070719)
TRS :	1100.00	90.00	195.62642	(85082108)	TRS :	1500.00	90.00	154.93217	(85092217)
TRS :	2000.00	90.00	129.03131	(85082405)	TRS :	2500.00	90.00	110.91812	(85061723)
TRS :	3000.00	90.00	99.12526	(85061723)	TRS :	3500.00	90.00	86.52285	(85061802)
TRS :	4000.00	90.00	79.85346	(85061802)	TRS :	4500.00	90.00	72.34605	(85061802)
TRS :	5000.00	90.00	65.09836	(85061802)	TRS :	533.00	100.00	274.85190	(85101113)
TRS :	700.00	100.00	247.72646	(85081809)	TRS :	1100.00	100.00	182.51118	(85011808)
TRS :	1500.00	100.00	139.41397	(85011808)	TRS :	2000.00	100.00	128.55977	(85091001)
TRS :	2500.00	100.00	111.05932	(85092623)	TRS :	3000.00	100.00	86.77330	(85092623)
TRS :	3500.00	100.00	70.08662	(85120208)	TRS :	4000.00	100.00	64.47472	(85120208)
TRS :	4500.00	100.00	59.34624	(85120208)	TRS :	5000.00	100.00	54.79415	(85120208)
TRS :	457.00	110.00	280.76556	(85050724)	TRS :	700.00	110.00	246.90364	(85071915)
TRS :	1100.00	110.00	192.35289	(85101517)	TRS :	1500.00	110.00	147.75766	(85091008)
TRS :	2000.00	110.00	127.83940	(85070401)	TRS :	2500.00	110.00	105.41768	(85120905)
TRS :	3000.00	110.00	86.43016	(85120905)	TRS :	3500.00	110.00	68.87218	(85070206)
TRS :	4000.00	110.00	62.75403	(85070206)	TRS :	4500.00	110.00	56.60922	(85070206)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	50.94228	(85070206)	TRS :	457.00	120.00	275.22818	(85070903)
TRS :	700.00	120.00	248.09714	(85051508)	TRS :	1100.00	120.00	193.69502	(85112817)
TRS :	1500.00	120.00	157.96979	(85082407)	TRS :	2000.00	120.00	114.27398	(85070724)
TRS :	2500.00	120.00	78.19357	(85051701)	TRS :	3000.00	120.00	68.51530	(85012418)
TRS :	3500.00	120.00	60.34703	(85070902)	TRS :	4000.00	120.00	59.09439	(85070902)
TRS :	4500.00	120.00	55.63564	(85070902)	TRS :	5000.00	120.00	53.51190	(85053104)
TRS :	457.00	130.00	273.06467	(85092718)	TRS :	700.00	130.00	238.35870	(85112818)
TRS :	1100.00	130.00	182.44823	(85082519)	TRS :	1500.00	130.00	133.99236	(85070820)
TRS :	2000.00	130.00	110.02460	(85053007)	TRS :	2500.00	130.00	90.26820	(85050724)
TRS :	3000.00	130.00	93.15831	(85050724)	TRS :	3500.00	130.00	85.45786	(85050724)
TRS :	4000.00	130.00	74.71818	(85050724)	TRS :	4500.00	130.00	64.14892	(85050724)
TRS :	5000.00	130.00	54.82113	(85050724)	TRS :	457.00	140.00	236.75450	(85080209)
TRS :	700.00	140.00	227.41743	(85060219)	TRS :	1100.00	140.00	183.93578	(85062921)
TRS :	1500.00	140.00	126.04961	(85112818)	TRS :	2000.00	140.00	100.72105	(85112818)
TRS :	2500.00	140.00	85.61645	(85122608)	TRS :	3000.00	140.00	86.45412	(85122608)
TRS :	3500.00	140.00	78.64571	(85122608)	TRS :	4000.00	140.00	74.53630	(85070903)
TRS :	4500.00	140.00	70.08123	(85070903)	TRS :	5000.00	140.00	64.72920	(85070903)
TRS :	457.00	150.00	254.07079	(85100617)	TRS :	700.00	150.00	234.10062	(85101209)
TRS :	1100.00	150.00	173.21155	(85070723)	TRS :	1500.00	150.00	146.79994	(85071922)
TRS :	2000.00	150.00	106.37629	(85082002)	TRS :	2500.00	150.00	96.54240	(85032206)
TRS :	3000.00	150.00	92.10545	(85032206)	TRS :	3500.00	150.00	81.15166	(85032206)
TRS :	4000.00	150.00	69.42565	(85032206)	TRS :	4500.00	150.00	58.89813	(85032206)
TRS :	5000.00	150.00	50.01277	(85032206)	TRS :	488.00	160.00	253.24472	(85030918)
TRS :	700.00	160.00	215.30635	(85112315)	TRS :	1100.00	160.00	165.70453	(85112317)
TRS :	1500.00	160.00	153.26309	(85070806)	TRS :	2000.00	160.00	122.12106	(85070806)
TRS :	2500.00	160.00	104.19114	(85012908)	TRS :	3000.00	160.00	88.80888	(85012908)
TRS :	3500.00	160.00	75.67218	(85012908)	TRS :	4000.00	160.00	65.03597	(85012908)
TRS :	4500.00	160.00	56.50209	(85012908)	TRS :	5000.00	160.00	49.62833	(85012908)
TRS :	533.00	170.00	243.49063	(85052519)	TRS :	700.00	170.00	231.14961	(85042318)
TRS :	1100.00	170.00	155.42400	(85020306)	TRS :	1500.00	170.00	117.51909	(85020722)
TRS :	2000.00	170.00	106.24924	(85011303)	TRS :	2500.00	170.00	97.85275	(85011303)
TRS :	3000.00	170.00	82.88751	(85011303)	TRS :	3500.00	170.00	68.66530	(85011303)
TRS :	4000.00	170.00	64.21879	(85021623)	TRS :	4500.00	170.00	61.73395	(85021623)
TRS :	5000.00	170.00	58.61581	(85021623)	TRS :	610.00	180.00	367.39804	(85101707)
TRS :	700.00	180.00	310.86819	(85101707)	TRS :	1100.00	180.00	143.07654	(85091306)
TRS :	1500.00	180.00	115.49055	(85100702)	TRS :	2000.00	180.00	99.51472	(85031822)
TRS :	2500.00	180.00	97.23939	(85031822)	TRS :	3000.00	180.00	88.53246	(85031822)
TRS :	3500.00	180.00	78.71689	(85031822)	TRS :	4000.00	180.00	69.57368	(85031822)
TRS :	4500.00	180.00	61.56871	(85031822)	TRS :	5000.00	180.00	54.71318	(85031822)
TRS :	750.00	190.00	212.26440	(85101318)	TRS :	1100.00	190.00	184.96294	(85101707)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	179.46709	(85101707)	TRS :	2000.00	190.00	159.28911	(85101707)
TRS :	2500.00	190.00	139.89783	(85101707)	TRS :	3000.00	190.00	123.85052	(85101707)
TRS :	3500.00	190.00	110.83591	(85101707)	TRS :	4000.00	190.00	100.21124	(85101707)
TRS :	4500.00	190.00	91.42834	(85101707)	TRS :	5000.00	190.00	84.06987	(85101707)
TRS :	1829.00	200.00	117.90058	(85111205)	TRS :	2000.00	200.00	108.41100	(85111205)
TRS :	2500.00	200.00	85.88083	(85111205)	TRS :	3000.00	200.00	76.12156	(85041103)
TRS :	3500.00	200.00	71.10426	(85041103)	TRS :	4000.00	200.00	66.21902	(85041103)
TRS :	4500.00	200.00	61.66742	(85041103)	TRS :	5000.00	200.00	57.50715	(85041103)
TRS :	1829.00	210.00	118.09615	(85071921)	TRS :	2000.00	210.00	113.19778	(85071921)
TRS :	2500.00	210.00	100.57953	(85071921)	TRS :	3000.00	210.00	90.15228	(85071921)
TRS :	3500.00	210.00	81.45790	(85071921)	TRS :	4000.00	210.00	74.12550	(85071921)
TRS :	4500.00	210.00	67.87354	(85071921)	TRS :	5000.00	210.00	62.48949	(85071921)
TRS :	1981.00	220.00	80.16034	(85062106)	TRS :	2000.00	220.00	79.63482	(85062106)
TRS :	2500.00	220.00	67.36677	(85062106)	TRS :	3000.00	220.00	57.80134	(85062106)
TRS :	3500.00	220.00	50.38409	(85062106)	TRS :	4000.00	220.00	44.54572	(85062106)
TRS :	4500.00	220.00	39.87064	(85062106)	TRS :	5000.00	220.00	36.06167	(85062106)
TRS :	2134.00	230.00	67.98013	(85111412)	TRS :	2500.00	230.00	58.52408	(85111412)
TRS :	3000.00	230.00	48.61027	(85111412)	TRS :	3500.00	230.00	41.12902	(85111412)
TRS :	4000.00	230.00	35.34351	(85111412)	TRS :	4500.00	230.00	31.14431	(85111908)
TRS :	5000.00	230.00	28.37543	(85111908)	TRS :	2438.00	240.00	53.53742	(85120514)
TRS :	2500.00	240.00	52.48203	(85120514)	TRS :	3000.00	240.00	44.88990	(85120514)
TRS :	3500.00	240.00	38.76471	(85120514)	TRS :	4000.00	240.00	34.10040	(85111202)
TRS :	4500.00	240.00	33.00497	(85111202)	TRS :	5000.00	240.00	31.76616	(85111202)
TRS :	2896.00	250.00	60.86093	(85120508)	TRS :	3000.00	250.00	58.06145	(85120508)
TRS :	3500.00	250.00	47.13642	(85120508)	TRS :	4000.00	250.00	39.26433	(85120508)
TRS :	4500.00	250.00	33.39939	(85120508)	TRS :	5000.00	250.00	29.05086	(85062605)
TRS :	3048.00	260.00	82.53797	(85081501)	TRS :	3500.00	260.00	69.52214	(85071120)
TRS :	4000.00	260.00	60.95061	(85071120)	TRS :	4500.00	260.00	53.71400	(85071120)
TRS :	5000.00	260.00	48.75257	(85081323)	TRS :	3658.00	270.00	81.21529	(85082006)
TRS :	4000.00	270.00	76.20641	(85082006)	TRS :	4500.00	270.00	68.79391	(85082006)
TRS :	5000.00	270.00	61.86077	(85082006)	TRS :	3962.00	280.00	70.12414	(85092223)
TRS :	4000.00	280.00	69.21468	(85092223)	TRS :	4500.00	280.00	58.27575	(85092223)
TRS :	5000.00	280.00	56.13977	(85031024)	TRS :	4572.00	290.00	73.40467	(85072607)
TRS :	5000.00	290.00	67.50205	(85072607)	TRS :	5182.00	300.00	49.28347	(85072101)
TRS :	4801.00	310.00	49.59003	(85010118)	TRS :	5000.00	310.00	46.95464	(85010118)
TRS :	4875.00	320.00	66.82816	(85081804)	TRS :	5000.00	320.00	65.46983	(85081804)
TRS :	6000.00	330.00	42.27502	(85053002)	TRS :	5500.00	340.00	46.23510	(85100401)
TRS :	5250.00	350.00	47.63626	(85112803)	TRS :	5125.00	360.00	64.21308	(85052021)

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID		AVERAGE CONC		RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	6.82810	AT (	524.90,	-92.55,	0.00,	0.00)	DP	NA
	2ND HIGHEST VALUE IS	6.01346	AT (	686.00,	0.00,	0.00,	0.00)	DP	NA
	3RD HIGHEST VALUE IS	6.00759	AT (	429.44,	-156.30,	0.00,	0.00)	DP	NA
	4TH HIGHEST VALUE IS	5.44181	AT (	689.37,	-121.55,	0.00,	0.00)	DP	NA
	5TH HIGHEST VALUE IS	4.89260	AT (	228.50,	-395.77,	0.00,	0.00)	DP	NA
	6TH HIGHEST VALUE IS	4.79182	AT (	350.08,	-293.75,	0.00,	0.00)	DP	NA
	7TH HIGHEST VALUE IS	4.72430	AT (	293.75,	-350.08,	0.00,	0.00)	DP	NA
	8TH HIGHEST VALUE IS	4.71764	AT (	395.77,	-228.50,	0.00,	0.00)	DP	NA
	9TH HIGHEST VALUE IS	4.71351	AT (	825.27,	145.52,	0.00,	0.00)	DP	NA
	10TH HIGHEST VALUE IS	4.70319	AT (	657.78,	-239.41,	0.00,	0.00)	DP	NA

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

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	69.06979c	ON 85040224: AT (429.44, -156.30, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	116.31580c	ON 85053108: AT (429.44, -156.30, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

OUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
L HIGH 1ST HIGH VALUE IS	171.53687	ON 85012306: AT (524.90, -92.55, 0.00, 0.00)		DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 367.39804	ON 85101707:	AT (0.00, -610.00, 0.00, 0.00)	DP	NA

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

*** Message Summary : ISCST3 Model Execution ***

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

Total of 0 Fatal Error Message(s)
Total of 1 Warning Message(s)
A Total of 1822 Informational Message(s)

Total of 1822 Calm Hours Identified

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

******** WARNING MESSAGES ********
SO W320 27 PPARM :Input Parameter May Be Out-of-Range for Parameter QS

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

```
CO STARTING
CO TITLEONE 1986 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK          12/11/98
CO TITLETWO MAXIMUM FUTURE CO EMISSION RATE
CO MODELOPT DFAULT CONC RURAL NOCMPL
CO AVERTIME  PERIOD  24 8 3 1
CO POLLUTID CO
CO DCAYCOEF    .000000
CO RUNORNOT RUN
CO FINISHED


SO STARTING

SO Source Location Cards:
**          SRCID SRCTYP        XS            YS            ZS
** TRS INCINERATOR STACK IS ORIGIN ONLY
SO BLEACH PLANT BYPASS STACK
SO LOCATION   BLCHSCRB POINT       109.3         141.5           .0
SO LOCATION   TRS      POINT         0.0           0.0           .0

SO Source Parameter Cards:
** POINT:   SRCID       QS        HS         TS          VS         DS
** VOLUME:  SRCID       QS        HS       SYINIT      SZINIT
** AREA:    SRCID       QS        HS        XINIT

SO SRCPARAM   BLCHSCRB    8.0         36.0       338.7        9.30        1.22
SO SRCPARAM   TRS         0.00        76.2       533.2       32.03        0.94


SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  18.95  21.64  21.64
SO BUILDHGT BLCHSCRB        21.64  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  18.95  21.64  21.49
SO BUILDHGT BLCHSCRB        22.25  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  25.76  25.76  25.76
SO BUILDWID BLCHSCRB       102.55 103.66 101.63  29.38  36.02  35.44
SO BUILDWID BLCHSCRB        37.92 100.84 103.51 103.03  99.42  92.78
SO BUILDWID BLCHSCRB        83.33  71.35  68.68  81.13  91.11  98.33
SO BUILDWID BLCHSCRB       102.55 103.66 101.63  29.38 178.89  97.90
SO BUILDWID BLCHSCRB        90.32 100.84 103.51 103.03  99.42  92.78
SO BUILDWID BLCHSCRB        83.33  71.35  68.68  81.13  91.11  98.33


SO EMISUNIT    .100000E+07 (GRAMS/SEC)          (MICROGRAMS/CUBIC-METER)
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
** RECEPTOR ORIGIN IS TRS INCINERATOR STACK
RE DISCPOLR TRS    5000.00      10.00
RE DISCPOLR TRS    4500.00      20.00
RE DISCPOLR TRS    5000.00      20.00
RE DISCPOLR TRS    2500.00      30.00
RE DISCPOLR TRS    3000.00      30.00
RE DISCPOLR TRS    3500.00      30.00
RE DISCPOLR TRS    4000.00      30.00
RE DISCPOLR TRS    4500.00      30.00
RE DISCPOLR TRS    5000.00      30.00
RE DISCPOLR TRS    2500.00      40.00
```

[redacted]	DISCPOLR	TRS	3000.00 40.00
[redacted]	DISCPOLR	TRS	3500.00 40.00
RE	DISCPOLR	TRS	4000.00 40.00
[redacted]	DISCPOLR	TRS	4500.00 40.00
[redacted]	DISCPOLR	TRS	5000.00 40.00
RE	DISCPOLR	TRS	1500.00 50.00
RE	DISCPOLR	TRS	2000.00 50.00
[redacted]	DISCPOLR	TRS	2500.00 50.00
RE	DISCPOLR	TRS	3000.00 50.00
RE	DISCPOLR	TRS	3500.00 50.00
[redacted]	DISCPOLR	TRS	4000.00 50.00
[redacted]	DISCPOLR	TRS	4500.00 50.00
RE	DISCPOLR	TRS	5000.00 50.00
[redacted]	DISCPOLR	TRS	1500.00 60.00
[redacted]	DISCPOLR	TRS	2000.00 60.00
RE	DISCPOLR	TRS	2500.00 60.00
RE	DISCPOLR	TRS	3000.00 60.00
[redacted]	DISCPOLR	TRS	3500.00 60.00
[redacted]	DISCPOLR	TRS	4000.00 60.00
RE	DISCPOLR	TRS	4500.00 60.00
[redacted]	DISCPOLR	TRS	5000.00 60.00
[redacted]	DISCPOLR	TRS	1500.00 70.00
RE	DISCPOLR	TRS	2000.00 70.00
RE	DISCPOLR	TRS	2500.00 70.00
[redacted]	DISCPOLR	TRS	3000.00 70.00
RE	DISCPOLR	TRS	3500.00 70.00
RE	DISCPOLR	TRS	4000.00 70.00
[redacted]	DISCPOLR	TRS	4500.00 70.00
[redacted]	DISCPOLR	TRS	5000.00 70.00
RE	DISCPOLR	TRS	838.00 80.00
[redacted]	DISCPOLR	TRS	1100.00 80.00
[redacted]	DISCPOLR	TRS	1500.00 80.00
RE	DISCPOLR	TRS	2000.00 80.00
RE	DISCPOLR	TRS	2500.00 80.00
[redacted]	DISCPOLR	TRS	3000.00 80.00
RE	DISCPOLR	TRS	3500.00 80.00
RE	DISCPOLR	TRS	4000.00 80.00
[redacted]	DISCPOLR	TRS	4500.00 80.00
[redacted]	DISCPOLR	TRS	5000.00 80.00
RE	DISCPOLR	TRS	686.00 90.00
[redacted]	DISCPOLR	TRS	1100.00 90.00
[redacted]	DISCPOLR	TRS	1500.00 90.00
RE	DISCPOLR	TRS	2000.00 90.00
RE	DISCPOLR	TRS	2500.00 90.00
[redacted]	DISCPOLR	TRS	3000.00 90.00
[redacted]	DISCPOLR	TRS	3500.00 90.00
RE	DISCPOLR	TRS	4000.00 90.00
[redacted]	DISCPOLR	TRS	4500.00 90.00
[redacted]	DISCPOLR	TRS	5000.00 90.00
RE	DISCPOLR	TRS	533.00 100.00
RE	DISCPOLR	TRS	700.00 100.00
[redacted]	DISCPOLR	TRS	1100.00 100.00
RE	DISCPOLR	TRS	1500.00 100.00
RE	DISCPOLR	TRS	2000.00 100.00
[redacted]	DISCPOLR	TRS	2500.00 100.00
[redacted]	DISCPOLR	TRS	3000.00 100.00
RE	DISCPOLR	TRS	3500.00 100.00
[redacted]	DISCPOLR	TRS	4000.00 100.00
[redacted]	DISCPOLR	TRS	4500.00 100.00
RE	DISCPOLR	TRS	5000.00 100.00

[redacted]

[redacted]	DISCPOLR TRS	457.00	110.00
[redacted]	DISCPOLR TRS	700.00	110.00
RE	DISCPOLR TRS	1100.00	110.00
[redacted]	DISCPOLR TRS	1500.00	110.00
[redacted]	DISCPOLR TRS	2000.00	110.00
RE	DISCPOLR TRS	2500.00	110.00
[redacted]	DISCPOLR TRS	3000.00	110.00
[redacted]	DISCPOLR TRS	3500.00	110.00
[redacted]	DISCPOLR TRS	4000.00	110.00
RE	DISCPOLR TRS	4500.00	110.00
[redacted]	DISCPOLR TRS	5000.00	110.00
[redacted]	DISCPOLR TRS	457.00	120.00
RE	DISCPOLR TRS	700.00	120.00
[redacted]	DISCPOLR TRS	1100.00	120.00
[redacted]	DISCPOLR TRS	1500.00	120.00
RE	DISCPOLR TRS	2000.00	120.00
[redacted]	DISCPOLR TRS	2500.00	120.00
[redacted]	DISCPOLR TRS	3000.00	120.00
[redacted]	DISCPOLR TRS	3500.00	120.00
RE	DISCPOLR TRS	4000.00	120.00
[redacted]	DISCPOLR TRS	4500.00	120.00
[redacted]	DISCPOLR TRS	5000.00	120.00
RE	DISCPOLR TRS	457.00	130.00
[redacted]	DISCPOLR TRS	700.00	130.00
[redacted]	DISCPOLR TRS	1100.00	130.00
[redacted]	DISCPOLR TRS	1500.00	130.00
RE	DISCPOLR TRS	2000.00	130.00
[redacted]	DISCPOLR TRS	2500.00	130.00
[redacted]	DISCPOLR TRS	3000.00	130.00
RE	DISCPOLR TRS	3500.00	130.00
[redacted]	DISCPOLR TRS	4000.00	130.00
[redacted]	DISCPOLR TRS	4500.00	130.00
RE	DISCPOLR TRS	5000.00	130.00
[redacted]	DISCPOLR TRS	457.00	140.00
[redacted]	DISCPOLR TRS	700.00	140.00
[redacted]	DISCPOLR TRS	1100.00	140.00
RE	DISCPOLR TRS	1500.00	140.00
[redacted]	DISCPOLR TRS	2000.00	140.00
[redacted]	DISCPOLR TRS	2500.00	140.00
RE	DISCPOLR TRS	3000.00	140.00
[redacted]	DISCPOLR TRS	3500.00	140.00
[redacted]	DISCPOLR TRS	4000.00	140.00
RE	DISCPOLR TRS	4500.00	140.00
[redacted]	DISCPOLR TRS	5000.00	140.00
[redacted]	DISCPOLR TRS	457.00	150.00
[redacted]	DISCPOLR TRS	700.00	150.00
RE	DISCPOLR TRS	1100.00	150.00
[redacted]	DISCPOLR TRS	1500.00	150.00
[redacted]	DISCPOLR TRS	2000.00	150.00
RE	DISCPOLR TRS	2500.00	150.00
[redacted]	DISCPOLR TRS	3000.00	150.00
[redacted]	DISCPOLR TRS	3500.00	150.00
[redacted]	DISCPOLR TRS	4000.00	150.00
[redacted]	DISCPOLR TRS	4500.00	150.00
[redacted]	DISCPOLR TRS	5000.00	150.00
[redacted]	DISCPOLR TRS	488.00	160.00
RE	DISCPOLR TRS	700.00	160.00
[redacted]	DISCPOLR TRS	1100.00	160.00
[redacted]	DISCPOLR TRS	1500.00	160.00
RE	DISCPOLR TRS	2000.00	160.00

[redacted]

[redacted]	DISCPOLR TRS	2500.00	160.00
[redacted]	DISCPOLR TRS	3000.00	160.00
RE	DISCPOLR TRS	3500.00	160.00
[redacted]	DISCPOLR TRS	4000.00	160.00
[redacted]	DISCPOLR TRS	4500.00	160.00
RE	DISCPOLR TRS	5000.00	160.00
[redacted]	DISCPOLR TRS	533.00	170.00
[redacted]	DISCPOLR TRS	700.00	170.00
[redacted]	DISCPOLR TRS	1100.00	170.00
RE	DISCPOLR TRS	1500.00	170.00
[redacted]	DISCPOLR TRS	2000.00	170.00
[redacted]	DISCPOLR TRS	2500.00	170.00
RE	DISCPOLR TRS	3000.00	170.00
[redacted]	DISCPOLR TRS	3500.00	170.00
[redacted]	DISCPOLR TRS	4000.00	170.00
RE	DISCPOLR TRS	4500.00	170.00
[redacted]	DISCPOLR TRS	5000.00	170.00
[redacted]	DISCPOLR TRS	610.00	180.00
[redacted]	DISCPOLR TRS	700.00	180.00
RE	DISCPOLR TRS	1100.00	180.00
[redacted]	DISCPOLR TRS	1500.00	180.00
[redacted]	DISCPOLR TRS	2000.00	180.00
RE	DISCPOLR TRS	2500.00	180.00
[redacted]	DISCPOLR TRS	3000.00	180.00
[redacted]	DISCPOLR TRS	3500.00	180.00
RE	DISCPOLR TRS	4000.00	180.00
[redacted]	DISCPOLR TRS	4500.00	180.00
[redacted]	DISCPOLR TRS	5000.00	180.00
[redacted]	DISCPOLR TRS	750.00	190.00
RE	DISCPOLR TRS	1100.00	190.00
[redacted]	DISCPOLR TRS	1500.00	190.00
[redacted]	DISCPOLR TRS	2000.00	190.00
RE	DISCPOLR TRS	2500.00	190.00
[redacted]	DISCPOLR TRS	3000.00	190.00
[redacted]	DISCPOLR TRS	3500.00	190.00
RE	DISCPOLR TRS	4000.00	190.00
RE	DISCPOLR TRS	4500.00	190.00
[redacted]	DISCPOLR TRS	5000.00	190.00
[redacted]	DISCPOLR TRS	1829.00	200.00
RE	DISCPOLR TRS	2000.00	200.00
[redacted]	DISCPOLR TRS	2500.00	200.00
[redacted]	DISCPOLR TRS	3000.00	200.00
RE	DISCPOLR TRS	3500.00	200.00
[redacted]	DISCPOLR TRS	4000.00	200.00
[redacted]	DISCPOLR TRS	4500.00	200.00
[redacted]	DISCPOLR TRS	5000.00	200.00
RE	DISCPOLR TRS	1829.00	210.00
[redacted]	DISCPOLR TRS	2000.00	210.00
[redacted]	DISCPOLR TRS	2500.00	210.00
RE	DISCPOLR TRS	3000.00	210.00
[redacted]	DISCPOLR TRS	3500.00	210.00
[redacted]	DISCPOLR TRS	4000.00	210.00
RE	DISCPOLR TRS	4500.00	210.00
[redacted]	DISCPOLR TRS	5000.00	210.00
[redacted]	DISCPOLR TRS	1981.00	220.00
[redacted]	DISCPOLR TRS	2000.00	220.00
RE	DISCPOLR TRS	2500.00	220.00
[redacted]	DISCPOLR TRS	3000.00	220.00
[redacted]	DISCPOLR TRS	3500.00	220.00
RE	DISCPOLR TRS	4000.00	220.00

[redacted]

```
   DISCPOLR TRS    4500.00     220.00
   DISCPOLR TRS    5000.00     220.00
RE DISCPOLR TRS    2134.00     230.00
   DISCPOLR TRS    2500.00     230.00
   DISCPOLR TRS    3000.00     230.00
RE DISCPOLR TRS    3500.00     230.00
RE DISCPOLR TRS    4000.00     230.00
   DISCPOLR TRS    4500.00     230.00
RE DISCPOLR TRS    5000.00     230.00
RE DISCPOLR TRS    2438.00     240.00
   DISCPOLR TRS    2500.00     240.00
   DISCPOLR TRS    3000.00     240.00
RE DISCPOLR TRS    3500.00     240.00
   DISCPOLR TRS    4000.00     240.00
   DISCPOLR TRS    4500.00     240.00
RE DISCPOLR TRS    5000.00     240.00
RE DISCPOLR TRS    2896.00     250.00
   DISCPOLR TRS    3000.00     250.00
RE DISCPOLR TRS    3500.00     250.00
RE DISCPOLR TRS    4000.00     250.00
   DISCPOLR TRS    4500.00     250.00
   DISCPOLR TRS    5000.00     250.00
RE DISCPOLR TRS    3048.00     260.00
RE DISCPOLR TRS    3500.00     260.00
   DISCPOLR TRS    4000.00     260.00
RE DISCPOLR TRS    4500.00     260.00
RE DISCPOLR TRS    5000.00     260.00
   DISCPOLR TRS    3658.00     270.00
   DISCPOLR TRS    4000.00     270.00
RE DISCPOLR TRS    4500.00     270.00
   DISCPOLR TRS    5000.00     270.00
   DISCPOLR TRS    3962.00     280.00
RE DISCPOLR TRS    4000.00     280.00
RE DISCPOLR TRS    4500.00     280.00
   DISCPOLR TRS    5000.00     280.00
RE DISCPOLR TRS    4572.00     290.00
RE DISCPOLR TRS    5000.00     290.00
   DISCPOLR TRS    5182.00     300.00
   DISCPOLR TRS    4801.00     310.00
RE DISCPOLR TRS    5000.00     310.00
   DISCPOLR TRS    4875.00     320.00
   DISCPOLR TRS    5000.00     320.00
RE DISCPOLR TRS    6000.00     330.00
RE DISCPOLR TRS    5500.00     340.00
   DISCPOLR TRS    5250.00     350.00
RE DISCPOLR TRS    5125.00     360.00
RE FINISHED


ME STARTING
ME INPUTFIL S:\MET\GNSPRL86.BIN                    UNFORM
   ANEMHGHT    22.00 FEET
ME SURFDATA  12816  1986            JACKSONVILLE
ME UAIRDATA  13861  1986            WAYCROSS
   WINDCATS    1.50    3.10    5.10    8.20   10.80
   FINISHED


   STARTING
OU RECTABLE ALLAVE FIRST

```

FINISHED

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

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

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

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

******** WARNING MESSAGES ********
W320 27 PPARM :Input Parameter May Be Out-of-Range for Parameter QS

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** MODEL SETUP OPTIONS SUMMARY ***

**Simple Terrain Model 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 4 Short Term Average(s) of: 24-HR 8-HR 3-HR 1-HR
and Calculates PERIOD Averages

*This Run Includes: 2 Source(s); 1 Source Group(s); and 236 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 PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE 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) = 6.71 ; Decay Coef. = 0.0000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/SEC) ; Emission Rate Unit Factor = 0.10000E+07
Output Units = (MICROGRAMS/CUBIC-METER)

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

*Input Runstream File: COCL2.I86
**Output Print File: COCL2.O86

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
BLCHSCRB	0	0.80000E+01	109.3	141.5	0.0	36.00	338.70	9.30	1.22	YES	
TRS	0	0.00000E+00	0.0	0.0	0.0	76.20	533.20	32.03	0.94	NO	

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	BLCHSCRB, TRS ,

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: BLCHSCRB

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	25.8,	102.6,	0	2	25.8,	103.7,	0	3	25.8,	101.6,	0	4	19.0,	29.4,	0	5	21.6,	36.0,	0	6	21.6,	35.4,	0
7	21.6,	37.9,	0	8	25.8,	100.8,	0	9	25.8,	103.5,	0	10	25.8,	103.0,	0	11	25.8,	99.4,	0	12	25.8,	92.8,	0
13	25.8,	83.3,	0	14	25.8,	71.3,	0	15	25.8,	68.7,	0	16	25.8,	81.1,	0	17	25.8,	91.1,	0	18	25.8,	98.3,	0
19	25.8,	102.6,	0	20	25.8,	103.7,	0	21	25.8,	101.6,	0	22	19.0,	29.4,	0	23	21.6,	178.9,	0	24	21.5,	97.9,	0
25	22.3,	90.3,	0	26	25.8,	100.8,	0	27	25.8,	103.5,	0	28	25.8,	103.0,	0	29	25.8,	99.4,	0	30	25.8,	92.8,	0
31	25.8,	83.3,	0	32	25.8,	71.3,	0	33	25.8,	68.7,	0	34	25.8,	81.1,	0	35	25.8,	91.1,	0	36	25.8,	98.3,	0

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	5000.0,	10.0,	0.0,	0.0);	TRS	: (	4500.0,	20.0,	0.0,	0.0);
TRS	: (	5000.0,	20.0,	0.0,	0.0);	TRS	: (	2500.0,	30.0,	0.0,	0.0);
TRS	: (	3000.0,	30.0,	0.0,	0.0);	TRS	: (	3500.0,	30.0,	0.0,	0.0);
TRS	: (	4000.0,	30.0,	0.0,	0.0);	TRS	: (	4500.0,	30.0,	0.0,	0.0);
TRS	: (	5000.0,	30.0,	0.0,	0.0);	TRS	: (	2500.0,	40.0,	0.0,	0.0);
TRS	: (	3000.0,	40.0,	0.0,	0.0);	TRS	: (	3500.0,	40.0,	0.0,	0.0);
TRS	: (	4000.0,	40.0,	0.0,	0.0);	TRS	: (	4500.0,	40.0,	0.0,	0.0);
TRS	: (	5000.0,	40.0,	0.0,	0.0);	TRS	: (	1500.0,	50.0,	0.0,	0.0);
TRS	: (	2000.0,	50.0,	0.0,	0.0);	TRS	: (	2500.0,	50.0,	0.0,	0.0);
TRS	: (	3000.0,	50.0,	0.0,	0.0);	TRS	: (	3500.0,	50.0,	0.0,	0.0);
TRS	: (	4000.0,	50.0,	0.0,	0.0);	TRS	: (	4500.0,	50.0,	0.0,	0.0);
TRS	: (	5000.0,	50.0,	0.0,	0.0);	TRS	: (	1500.0,	60.0,	0.0,	0.0);
TRS	: (	2000.0,	60.0,	0.0,	0.0);	TRS	: (	2500.0,	60.0,	0.0,	0.0);
TRS	: (	3000.0,	60.0,	0.0,	0.0);	TRS	: (	3500.0,	60.0,	0.0,	0.0);
TRS	: (	4000.0,	60.0,	0.0,	0.0);	TRS	: (	4500.0,	60.0,	0.0,	0.0);
TRS	: (	5000.0,	60.0,	0.0,	0.0);	TRS	: (	1500.0,	70.0,	0.0,	0.0);
TRS	: (	2000.0,	70.0,	0.0,	0.0);	TRS	: (	2500.0,	70.0,	0.0,	0.0);
TRS	: (	3000.0,	70.0,	0.0,	0.0);	TRS	: (	3500.0,	70.0,	0.0,	0.0);
TRS	: (	4000.0,	70.0,	0.0,	0.0);	TRS	: (	4500.0,	70.0,	0.0,	0.0);
TRS	: (	5000.0,	70.0,	0.0,	0.0);	TRS	: (	838.0,	80.0,	0.0,	0.0);
TRS	: (	1100.0,	80.0,	0.0,	0.0);	TRS	: (	1500.0,	80.0,	0.0,	0.0);
TRS	: (	2000.0,	80.0,	0.0,	0.0);	TRS	: (	2500.0,	80.0,	0.0,	0.0);
TRS	: (	3000.0,	80.0,	0.0,	0.0);	TRS	: (	3500.0,	80.0,	0.0,	0.0);
TRS	: (	4000.0,	80.0,	0.0,	0.0);	TRS	: (	4500.0,	80.0,	0.0,	0.0);
TRS	: (	5000.0,	80.0,	0.0,	0.0);	TRS	: (	686.0,	90.0,	0.0,	0.0);
TRS	: (	1100.0,	90.0,	0.0,	0.0);	TRS	: (	1500.0,	90.0,	0.0,	0.0);
TRS	: (	2000.0,	90.0,	0.0,	0.0);	TRS	: (	2500.0,	90.0,	0.0,	0.0);
TRS	: (	3000.0,	90.0,	0.0,	0.0);	TRS	: (	3500.0,	90.0,	0.0,	0.0);
TRS	: (	4000.0,	90.0,	0.0,	0.0);	TRS	: (	4500.0,	90.0,	0.0,	0.0);
TRS	: (	5000.0,	90.0,	0.0,	0.0);	TRS	: (	533.0,	100.0,	0.0,	0.0);
TRS	: (	700.0,	100.0,	0.0,	0.0);	TRS	: (	1100.0,	100.0,	0.0,	0.0);
TRS	: (	1500.0,	100.0,	0.0,	0.0);	TRS	: (	2000.0,	100.0,	0.0,	0.0);
TRS	: (	2500.0,	100.0,	0.0,	0.0);	TRS	: (	3000.0,	100.0,	0.0,	0.0);
TRS	: (	3500.0,	100.0,	0.0,	0.0);	TRS	: (	4000.0,	100.0,	0.0,	0.0);
TRS	: (	4500.0,	100.0,	0.0,	0.0);	TRS	: (	5000.0,	100.0,	0.0,	0.0);
TRS	: (	457.0,	110.0,	0.0,	0.0);	TRS	: (	700.0,	110.0,	0.0,	0.0);
TRS	: (	1100.0,	110.0,	0.0,	0.0);	TRS	: (	1500.0,	110.0,	0.0,	0.0);
TRS	: (	2000.0,	110.0,	0.0,	0.0);	TRS	: (	2500.0,	110.0,	0.0,	0.0);
TRS	: (	3000.0,	110.0,	0.0,	0.0);	TRS	: (	3500.0,	110.0,	0.0,	0.0);
TRS	: (	4000.0,	110.0,	0.0,	0.0);	TRS	: (	4500.0,	110.0,	0.0,	0.0);
TRS	: (	5000.0,	110.0,	0.0,	0.0);	TRS	: (	457.0,	120.0,	0.0,	0.0);
TRS	: (	700.0,	120.0,	0.0,	0.0);	TRS	: (	1100.0,	120.0,	0.0,	0.0);
TRS	: (	1500.0,	120.0,	0.0,	0.0);	TRS	: (	2000.0,	120.0,	0.0,	0.0);
TRS	: (	2500.0,	120.0,	0.0,	0.0);	TRS	: (	3000.0,	120.0,	0.0,	0.0);
TRS	: (	3500.0,	120.0,	0.0,	0.0);	TRS	: (	4000.0,	120.0,	0.0,	0.0);

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	(4500.0,	120.0,	0.0,	0.0);	TRS	(5000.0,	120.0,	0.0,	0.0);
TRS	(457.0,	130.0,	0.0,	0.0);	TRS	(700.0,	130.0,	0.0,	0.0);
TRS	(1100.0,	130.0,	0.0,	0.0);	TRS	(1500.0,	130.0,	0.0,	0.0);
TRS	(2000.0,	130.0,	0.0,	0.0);	TRS	(2500.0,	130.0,	0.0,	0.0);
TRS	(3000.0,	130.0,	0.0,	0.0);	TRS	(3500.0,	130.0,	0.0,	0.0);
TRS	(4000.0,	130.0,	0.0,	0.0);	TRS	(4500.0,	130.0,	0.0,	0.0);
TRS	(5000.0,	130.0,	0.0,	0.0);	TRS	(457.0,	140.0,	0.0,	0.0);
TRS	(700.0,	140.0,	0.0,	0.0);	TRS	(1100.0,	140.0,	0.0,	0.0);
TRS	(1500.0,	140.0,	0.0,	0.0);	TRS	(2000.0,	140.0,	0.0,	0.0);
TRS	(2500.0,	140.0,	0.0,	0.0);	TRS	(3000.0,	140.0,	0.0,	0.0);
TRS	(3500.0,	140.0,	0.0,	0.0);	TRS	(4000.0,	140.0,	0.0,	0.0);
TRS	(4500.0,	140.0,	0.0,	0.0);	TRS	(5000.0,	140.0,	0.0,	0.0);
TRS	(457.0,	150.0,	0.0,	0.0);	TRS	(700.0,	150.0,	0.0,	0.0);
TRS	(1100.0,	150.0,	0.0,	0.0);	TRS	(1500.0,	150.0,	0.0,	0.0);
TRS	(2000.0,	150.0,	0.0,	0.0);	TRS	(2500.0,	150.0,	0.0,	0.0);
TRS	(3000.0,	150.0,	0.0,	0.0);	TRS	(3500.0,	150.0,	0.0,	0.0);
TRS	(4000.0,	150.0,	0.0,	0.0);	TRS	(4500.0,	150.0,	0.0,	0.0);
TRS	(5000.0,	150.0,	0.0,	0.0);	TRS	(488.0,	160.0,	0.0,	0.0);
TRS	(700.0,	160.0,	0.0,	0.0);	TRS	(1100.0,	160.0,	0.0,	0.0);
TRS	(1500.0,	160.0,	0.0,	0.0);	TRS	(2000.0,	160.0,	0.0,	0.0);
TRS	(2500.0,	160.0,	0.0,	0.0);	TRS	(3000.0,	160.0,	0.0,	0.0);
TRS	(3500.0,	160.0,	0.0,	0.0);	TRS	(4000.0,	160.0,	0.0,	0.0);
TRS	(4500.0,	160.0,	0.0,	0.0);	TRS	(5000.0,	160.0,	0.0,	0.0);
TRS	(533.0,	170.0,	0.0,	0.0);	TRS	(700.0,	170.0,	0.0,	0.0);
TRS	(1100.0,	170.0,	0.0,	0.0);	TRS	(1500.0,	170.0,	0.0,	0.0);
TRS	(2000.0,	170.0,	0.0,	0.0);	TRS	(2500.0,	170.0,	0.0,	0.0);
TRS	(3000.0,	170.0,	0.0,	0.0);	TRS	(3500.0,	170.0,	0.0,	0.0);
TRS	(4000.0,	170.0,	0.0,	0.0);	TRS	(4500.0,	170.0,	0.0,	0.0);
TRS	(5000.0,	170.0,	0.0,	0.0);	TRS	(610.0,	180.0,	0.0,	0.0);
TRS	(700.0,	180.0,	0.0,	0.0);	TRS	(1100.0,	180.0,	0.0,	0.0);
TRS	(1500.0,	180.0,	0.0,	0.0);	TRS	(2000.0,	180.0,	0.0,	0.0);
TRS	(2500.0,	180.0,	0.0,	0.0);	TRS	(3000.0,	180.0,	0.0,	0.0);
TRS	(3500.0,	180.0,	0.0,	0.0);	TRS	(4000.0,	180.0,	0.0,	0.0);
TRS	(4500.0,	180.0,	0.0,	0.0);	TRS	(5000.0,	180.0,	0.0,	0.0);
TRS	(750.0,	190.0,	0.0,	0.0);	TRS	(1100.0,	190.0,	0.0,	0.0);
TRS	(1500.0,	190.0,	0.0,	0.0);	TRS	(2000.0,	190.0,	0.0,	0.0);
TRS	(2500.0,	190.0,	0.0,	0.0);	TRS	(3000.0,	190.0,	0.0,	0.0);
TRS	(3500.0,	190.0,	0.0,	0.0);	TRS	(4000.0,	190.0,	0.0,	0.0);
TRS	(4500.0,	190.0,	0.0,	0.0);	TRS	(5000.0,	190.0,	0.0,	0.0);
TRS	(1829.0,	200.0,	0.0,	0.0);	TRS	(2000.0,	200.0,	0.0,	0.0);
TRS	(2500.0,	200.0,	0.0,	0.0);	TRS	(3000.0,	200.0,	0.0,	0.0);
TRS	(3500.0,	200.0,	0.0,	0.0);	TRS	(4000.0,	200.0,	0.0,	0.0);
TRS	(4500.0,	200.0,	0.0,	0.0);	TRS	(5000.0,	200.0,	0.0,	0.0);
TRS	(1829.0,	210.0,	0.0,	0.0);	TRS	(2000.0,	210.0,	0.0,	0.0);
TRS	(2500.0,	210.0,	0.0,	0.0);	TRS	(3000.0,	210.0,	0.0,	0.0);

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	3500.0,	210.0,	0.0,	0.0);	TRS	: (	4000.0,	210.0,	0.0,	0.0);
TRS	: (	4500.0,	210.0,	0.0,	0.0);	TRS	: (	5000.0,	210.0,	0.0,	0.0);
TRS	: (	1981.0,	220.0,	0.0,	0.0);	TRS	: (	2000.0,	220.0,	0.0,	0.0);
TRS	: (	2500.0,	220.0,	0.0,	0.0);	TRS	: (	3000.0,	220.0,	0.0,	0.0);
TRS	: (	3500.0,	220.0,	0.0,	0.0);	TRS	: (	4000.0,	220.0,	0.0,	0.0);
TRS	: (	4500.0,	220.0,	0.0,	0.0);	TRS	: (	5000.0,	220.0,	0.0,	0.0);
TRS	: (	2134.0,	230.0,	0.0,	0.0);	TRS	: (	2500.0,	230.0,	0.0,	0.0);
TRS	: (	3000.0,	230.0,	0.0,	0.0);	TRS	: (	3500.0,	230.0,	0.0,	0.0);
TRS	: (	4000.0,	230.0,	0.0,	0.0);	TRS	: (	4500.0,	230.0,	0.0,	0.0);
TRS	: (	5000.0,	230.0,	0.0,	0.0);	TRS	: (	2438.0,	240.0,	0.0,	0.0);
TRS	: (	2500.0,	240.0,	0.0,	0.0);	TRS	: (	3000.0,	240.0,	0.0,	0.0);
TRS	: (	3500.0,	240.0,	0.0,	0.0);	TRS	: (	4000.0,	240.0,	0.0,	0.0);
TRS	: (	4500.0,	240.0,	0.0,	0.0);	TRS	: (	5000.0,	240.0,	0.0,	0.0);
TRS	: (	2896.0,	250.0,	0.0,	0.0);	TRS	: (	3000.0,	250.0,	0.0,	0.0);
TRS	: (	3500.0,	250.0,	0.0,	0.0);	TRS	: (	4000.0,	250.0,	0.0,	0.0);
TRS	: (	4500.0,	250.0,	0.0,	0.0);	TRS	: (	5000.0,	250.0,	0.0,	0.0);
TRS	: (	3048.0,	260.0,	0.0,	0.0);	TRS	: (	3500.0,	260.0,	0.0,	0.0);
TRS	: (	4000.0,	260.0,	0.0,	0.0);	TRS	: (	4500.0,	260.0,	0.0,	0.0);
TRS	: (	5000.0,	260.0,	0.0,	0.0);	TRS	: (	3658.0,	270.0,	0.0,	0.0);
TRS	: (	4000.0,	270.0,	0.0,	0.0);	TRS	: (	4500.0,	270.0,	0.0,	0.0);
TRS	: (	5000.0,	270.0,	0.0,	0.0);	TRS	: (	3962.0,	280.0,	0.0,	0.0);
TRS	: (	4000.0,	280.0,	0.0,	0.0);	TRS	: (	4500.0,	280.0,	0.0,	0.0);
TRS	: (	5000.0,	280.0,	0.0,	0.0);	TRS	: (	4572.0,	290.0,	0.0,	0.0);
TRS	: (	5000.0,	290.0,	0.0,	0.0);	TRS	: (	5182.0,	300.0,	0.0,	0.0);
TRS	: (	4801.0,	310.0,	0.0,	0.0);	TRS	: (	5000.0,	310.0,	0.0,	0.0);
TRS	: (	4875.0,	320.0,	0.0,	0.0);	TRS	: (	5000.0,	320.0,	0.0,	0.0);
TRS	: (	6000.0,	330.0,	0.0,	0.0);	TRS	: (	5500.0,	340.0,	0.0,	0.0);
TRS	: (	5250.0,	350.0,	0.0,	0.0);	TRS	: (	5125.0,	360.0,	0.0,	0.0);

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

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

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

1.50, 3.10, 5.10, 8.20, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

FILE: S:\MET\GNSPRL86.BIN
FORMAT: UNFORM
SURFACE STATION NO.: 12816 UPPER AIR STATION NO.: 13861
NAME: JACKSONVILLE NAME: WAYCROSS
YEAR: 1986 YEAR: 1986

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-O (M)	IPCODE	PRATE (mm/HR)
	1	1	1	331.0	4.12	287.0	4	1367.4	1367.4	0.0000	0.0	0.0000	0	0.00
86	1	1	2	38.0	3.60	287.6	4	1328.9	1328.9	0.0000	0.0	0.0000	0	0.00
	1	1	3	14.0	5.14	287.6	4	1290.4	1290.4	0.0000	0.0	0.0000	0	0.00
	1	1	4	43.0	2.57	287.6	4	1251.9	1251.9	0.0000	0.0	0.0000	0	0.00
86	1	1	5	43.0	1.00	287.6	4	1213.4	1213.4	0.0000	0.0	0.0000	0	0.00
86	1	1	6	52.0	2.06	288.2	4	1174.9	1174.9	0.0000	0.0	0.0000	0	0.00
	1	1	7	55.0	1.00	288.2	4	1136.4	1136.4	0.0000	0.0	0.0000	0	0.00
86	1	1	8	93.0	3.60	288.2	4	1097.9	1097.9	0.0000	0.0	0.0000	0	0.00
86	1	1	9	117.0	1.54	288.2	4	1059.5	1059.5	0.0000	0.0	0.0000	0	0.00
	1	1	10	121.0	1.00	288.7	4	1021.0	1021.0	0.0000	0.0	0.0000	0	0.00
	1	1	11	254.0	2.06	289.3	4	982.5	982.5	0.0000	0.0	0.0000	0	0.00
86	1	1	12	266.0	2.06	289.8	4	944.0	944.0	0.0000	0.0	0.0000	0	0.00
	1	1	13	273.0	1.00	290.4	4	905.5	905.5	0.0000	0.0	0.0000	0	0.00
	1	1	14	189.0	3.60	290.4	4	867.0	867.0	0.0000	0.0	0.0000	0	0.00
86	1	1	15	252.0	3.09	290.4	4	867.0	867.0	0.0000	0.0	0.0000	0	0.00
86	1	1	16	274.0	2.57	290.4	4	867.0	867.0	0.0000	0.0	0.0000	0	0.00
	1	1	17	271.0	2.57	290.9	4	867.0	867.0	0.0000	0.0	0.0000	0	0.00
86	1	1	18	247.0	2.57	290.4	5	864.3	832.8	0.0000	0.0	0.0000	0	0.00
86	1	1	19	244.0	2.06	289.8	4	857.6	857.6	0.0000	0.0	0.0000	0	0.00
	1	1	20	237.0	1.00	289.8	4	850.8	850.8	0.0000	0.0	0.0000	0	0.00
	1	1	21	310.0	2.06	289.3	5	844.0	572.9	0.0000	0.0	0.0000	0	0.00
86	1	1	22	302.0	2.57	288.7	4	837.3	837.3	0.0000	0.0	0.0000	0	0.00
86	1	1	23	270.0	2.57	288.7	4	830.5	830.5	0.0000	0.0	0.0000	0	0.00
86	1	1	24	270.0	3.60	288.2	4	823.7	823.7	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 NOCMPL

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS	5000.00	10.00	0.28307	TRS	4500.00	20.00	0.30238
TRS	5000.00	20.00	0.26066	TRS	2500.00	30.00	0.71754
TRS	3000.00	30.00	0.55090	TRS	3500.00	30.00	0.44085
TRS	4000.00	30.00	0.36346	TRS	4500.00	30.00	0.30654
TRS	5000.00	30.00	0.26322	TRS	2500.00	40.00	0.71173
TRS	3000.00	40.00	0.56310	TRS	3500.00	40.00	0.46099
TRS	4000.00	40.00	0.38695	TRS	4500.00	40.00	0.33127
TRS	5000.00	40.00	0.28808	TRS	1500.00	50.00	1.40123
TRS	2000.00	50.00	0.97935	TRS	2500.00	50.00	0.73744
TRS	3000.00	50.00	0.58305	TRS	3500.00	50.00	0.47679
TRS	4000.00	50.00	0.39988	TRS	4500.00	50.00	0.34201
TRS	5000.00	50.00	0.29704	TRS	1500.00	60.00	1.57795
TRS	2000.00	60.00	1.11782	TRS	2500.00	60.00	0.84652
TRS	3000.00	60.00	0.67160	TRS	3500.00	60.00	0.55050
TRS	4000.00	60.00	0.46254	TRS	4500.00	60.00	0.39620
TRS	5000.00	60.00	0.34457	TRS	1500.00	70.00	1.46350
TRS	2000.00	70.00	0.94528	TRS	2500.00	70.00	0.68089
TRS	3000.00	70.00	0.52323	TRS	3500.00	70.00	0.41918
TRS	4000.00	70.00	0.34601	TRS	4500.00	70.00	0.29208
TRS	5000.00	70.00	0.25090	TRS	838.00	80.00	4.24810
TRS	1100.00	80.00	3.05791	TRS	1500.00	80.00	1.95700
TRS	2000.00	80.00	1.29079	TRS	2500.00	80.00	0.94011
TRS	3000.00	80.00	0.72665	TRS	3500.00	80.00	0.58490
TRS	4000.00	80.00	0.48456	TRS	4500.00	80.00	0.41025
TRS	5000.00	80.00	0.35333	TRS	686.00	90.00	5.14502
TRS	1100.00	90.00	3.09506	TRS	1500.00	90.00	2.14373
TRS	2000.00	90.00	1.47656	TRS	2500.00	90.00	1.09035
TRS	3000.00	90.00	0.84727	TRS	3500.00	90.00	0.68423
TRS	4000.00	90.00	0.56869	TRS	4500.00	90.00	0.48317
TRS	5000.00	90.00	0.41769	TRS	533.00	100.00	6.36906
TRS	700.00	100.00	4.88812	TRS	1100.00	100.00	3.43160
TRS	1500.00	100.00	2.27588	TRS	2000.00	100.00	1.50149
TRS	2500.00	100.00	1.11057	TRS	3000.00	100.00	0.87459
TRS	3500.00	100.00	0.71539	TRS	4000.00	100.00	0.60071
TRS	4500.00	100.00	0.51438	TRS	5000.00	100.00	0.44734
TRS	457.00	110.00	5.75886	TRS	700.00	110.00	4.30605
TRS	1100.00	110.00	3.12713	TRS	1500.00	110.00	2.21583
TRS	2000.00	110.00	1.51760	TRS	2500.00	110.00	1.14522
TRS	3000.00	110.00	0.91844	TRS	3500.00	110.00	0.76590
TRS	4000.00	110.00	0.65573	TRS	4500.00	110.00	0.57207

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS :	5000.00	110.00	0.50621	TRS :	457.00	120.00	5.10965
TRS :	700.00	120.00	3.79281	TRS :	1100.00	120.00	2.71691
TRS :	1500.00	120.00	1.91205	TRS :	2000.00	120.00	1.35646
TRS :	2500.00	120.00	1.04134	TRS :	3000.00	120.00	0.83906
TRS :	3500.00	120.00	0.70009	TRS :	4000.00	120.00	0.59939
TRS :	4500.00	120.00	0.52316	TRS :	5000.00	120.00	0.46340
TRS :	457.00	130.00	5.17210	TRS :	700.00	130.00	3.39567
TRS :	1100.00	130.00	2.30454	TRS :	1500.00	130.00	1.62089
TRS :	2000.00	130.00	1.16345	TRS :	2500.00	130.00	0.89685
TRS :	3000.00	130.00	0.72561	TRS :	3500.00	130.00	0.60797
TRS :	4000.00	130.00	0.52243	TRS :	4500.00	130.00	0.45731
TRS :	5000.00	130.00	0.40596	TRS :	457.00	140.00	4.99682
TRS :	700.00	140.00	3.61629	TRS :	1100.00	140.00	2.26213
TRS :	1500.00	140.00	1.53229	TRS :	2000.00	140.00	1.04064
TRS :	2500.00	140.00	0.77047	TRS :	3000.00	140.00	0.60894
TRS :	3500.00	140.00	0.50342	TRS :	4000.00	140.00	0.42904
TRS :	4500.00	140.00	0.37354	TRS :	5000.00	140.00	0.33034
TRS :	457.00	150.00	4.47669	TRS :	700.00	150.00	3.35517
TRS :	1100.00	150.00	2.42234	TRS :	1500.00	150.00	1.76079
TRS :	2000.00	150.00	1.23089	TRS :	2500.00	150.00	0.92596
TRS :	3000.00	150.00	0.73606	TRS :	3500.00	150.00	0.60761
TRS :	4000.00	150.00	0.51510	TRS :	4500.00	150.00	0.44534
TRS :	5000.00	150.00	0.39091	TRS :	488.00	160.00	4.13510
TRS :	700.00	160.00	2.99607	TRS :	1100.00	160.00	2.10781
TRS :	1500.00	160.00	1.55833	TRS :	2000.00	160.00	1.14183
TRS :	2500.00	160.00	0.88451	TRS :	3000.00	160.00	0.71306
TRS :	3500.00	160.00	0.59190	TRS :	4000.00	160.00	0.50247
TRS :	4500.00	160.00	0.43411	TRS :	5000.00	160.00	0.38040
TRS :	533.00	170.00	3.99271	TRS :	700.00	170.00	3.41784
TRS :	1100.00	170.00	2.19529	TRS :	1500.00	170.00	1.48574
TRS :	2000.00	170.00	1.02042	TRS :	2500.00	170.00	0.76283
TRS :	3000.00	170.00	0.60326	TRS :	3500.00	170.00	0.49548
TRS :	4000.00	170.00	0.41816	TRS :	4500.00	170.00	0.36016
TRS :	5000.00	170.00	0.31516	TRS :	610.00	180.00	3.40932
TRS :	700.00	180.00	3.05479	TRS :	1100.00	180.00	2.00168
TRS :	1500.00	180.00	1.45727	TRS :	2000.00	180.00	1.07420
TRS :	2500.00	180.00	0.84100	TRS :	3000.00	180.00	0.68545
TRS :	3500.00	180.00	0.57437	TRS :	4000.00	180.00	0.49133
TRS :	4500.00	180.00	0.42714	TRS :	5000.00	180.00	0.37621
TRS :	750.00	190.00	3.17707	TRS :	1100.00	190.00	2.07199

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS :	1500.00	190.00	1.43953	TRS :	2000.00	190.00	1.01897
TRS :	2500.00	190.00	0.77565	TRS :	3000.00	190.00	0.61972
TRS :	3500.00	190.00	0.51174	TRS :	4000.00	190.00	0.43295
TRS :	4500.00	190.00	0.37316	TRS :	5000.00	190.00	0.32643
TRS :	1829.00	200.00	1.41121	TRS :	2000.00	200.00	1.28130
TRS :	2500.00	200.00	0.99814	TRS :	3000.00	200.00	0.80871
TRS :	3500.00	200.00	0.67384	TRS :	4000.00	200.00	0.57356
TRS :	4500.00	200.00	0.49646	TRS :	5000.00	200.00	0.43560
TRS :	1829.00	210.00	1.36059	TRS :	2000.00	210.00	1.23059
TRS :	2500.00	210.00	0.94940	TRS :	3000.00	210.00	0.76309
TRS :	3500.00	210.00	0.63159	TRS :	4000.00	210.00	0.53457
TRS :	4500.00	210.00	0.46049	TRS :	5000.00	210.00	0.40235
TRS :	1981.00	220.00	1.19389	TRS :	2000.00	220.00	1.18243
TRS :	2500.00	220.00	0.93693	TRS :	3000.00	220.00	0.76781
TRS :	3500.00	220.00	0.64462	TRS :	4000.00	220.00	0.55179
TRS :	4500.00	220.00	0.47969	TRS :	5000.00	220.00	0.42228
TRS :	2134.00	230.00	1.06113	TRS :	2500.00	230.00	0.89501
TRS :	3000.00	230.00	0.73004	TRS :	3500.00	230.00	0.61080
TRS :	4000.00	230.00	0.52135	TRS :	4500.00	230.00	0.45209
TRS :	5000.00	230.00	0.39712	TRS :	2438.00	240.00	0.88844
TRS :	2500.00	240.00	0.86400	TRS :	3000.00	240.00	0.70279
TRS :	3500.00	240.00	0.58735	TRS :	4000.00	240.00	0.50127
TRS :	4500.00	240.00	0.43486	TRS :	5000.00	240.00	0.38227
TRS :	2896.00	250.00	0.60994	TRS :	3000.00	250.00	0.58521
TRS :	3500.00	250.00	0.48734	TRS :	4000.00	250.00	0.41474
TRS :	4500.00	250.00	0.35889	TRS :	5000.00	250.00	0.31482
TRS :	3048.00	260.00	0.78821	TRS :	3500.00	260.00	0.66792
TRS :	4000.00	260.00	0.56633	TRS :	4500.00	260.00	0.48789
TRS :	5000.00	260.00	0.42595	TRS :	3658.00	270.00	0.96006
TRS :	4000.00	270.00	0.86657	TRS :	4500.00	270.00	0.75455
TRS :	5000.00	270.00	0.66472	TRS :	3962.00	280.00	0.60051
TRS :	4000.00	280.00	0.59290	TRS :	4500.00	280.00	0.50631
TRS :	5000.00	280.00	0.43924	TRS :	4572.00	290.00	0.36112
TRS :	5000.00	290.00	0.32051	TRS :	5182.00	300.00	0.52684
TRS :	4801.00	310.00	0.42101	TRS :	5000.00	310.00	0.39750
TRS :	4875.00	320.00	0.32295	TRS :	5000.00	320.00	0.31179
TRS :	6000.00	330.00	0.26823	TRS :	5500.00	340.00	0.29033
TRS :	5250.00	350.00	0.32112	TRS :	5125.00	360.00	0.36233

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	3.92391c	(86072324)	TRS :	4500.00	20.00	4.75225c	(86081424)
TRS :	5000.00	20.00	4.07971c	(86063024)	TRS :	2500.00	30.00	11.61947c	(86082024)
TRS :	3000.00	30.00	9.22019c	(86082024)	TRS :	3500.00	30.00	7.56436c	(86082024)
TRS :	4000.00	30.00	6.35979c	(86082024)	TRS :	4500.00	30.00	5.44897c	(86082024)
TRS :	5000.00	30.00	4.73907c	(86082024)	TRS :	2500.00	40.00	9.27751c	(86111724)
TRS :	3000.00	40.00	7.34020c	(86111724)	TRS :	3500.00	40.00	5.97881c	(86111724)
TRS :	4000.00	40.00	4.97939c	(86111724)	TRS :	4500.00	40.00	4.22244c	(86111724)
TRS :	5000.00	40.00	3.63397c	(86111724)	TRS :	1500.00	50.00	15.13388c	(86022224)
TRS :	2000.00	50.00	11.51821	(86072824)	TRS :	2500.00	50.00	9.14069	(86072824)
TRS :	3000.00	50.00	7.44576	(86072824)	TRS :	3500.00	50.00	6.20103	(86072824)
TRS :	4000.00	50.00	5.25763	(86072824)	TRS :	4500.00	50.00	4.53966c	(86111724)
TRS :	5000.00	50.00	3.98907c	(86111724)	TRS :	1500.00	60.00	19.08747c	(86030324)
TRS :	2000.00	60.00	14.75685c	(86030324)	TRS :	2500.00	60.00	11.83796c	(86030324)
TRS :	3000.00	60.00	9.80659c	(86030324)	TRS :	3500.00	60.00	8.30796c	(86030324)
TRS :	4000.00	60.00	7.17215c	(86030324)	TRS :	4500.00	60.00	6.28515c	(86030324)
TRS :	5000.00	60.00	5.57432c	(86030324)	TRS :	1500.00	70.00	15.57007c	(86081524)
TRS :	2000.00	70.00	9.42210c	(86081524)	TRS :	2500.00	70.00	6.30074c	(86081524)
TRS :	3000.00	70.00	4.54055c	(86081524)	TRS :	3500.00	70.00	3.45459c	(86081524)
TRS :	4000.00	70.00	2.78950c	(86010324)	TRS :	4500.00	70.00	2.45435c	(86070224)
TRS :	5000.00	70.00	2.19768c	(86070224)	TRS :	838.00	80.00	37.34047c	(86022024)
TRS :	1100.00	80.00	32.39523	(86111824)	TRS :	1500.00	80.00	25.19246	(86111824)
TRS :	2000.00	80.00	16.91708	(86111824)	TRS :	2500.00	80.00	12.85065c	(86020724)
TRS :	3000.00	80.00	10.85229c	(86070224)	TRS :	3500.00	80.00	9.45113c	(86070224)
TRS :	4000.00	80.00	8.24012c	(86070224)	TRS :	4500.00	80.00	7.22197c	(86070224)
TRS :	5000.00	80.00	6.37281c	(86070224)	TRS :	686.00	90.00	46.00431c	(86071024)
TRS :	1100.00	90.00	33.20052c	(86102624)	TRS :	1500.00	90.00	18.53937c	(86102624)
TRS :	2000.00	90.00	14.36767	(86012024)	TRS :	2500.00	90.00	11.92172	(86012024)
TRS :	3000.00	90.00	9.47505	(86012024)	TRS :	3500.00	90.00	7.87958c	(86071524)
TRS :	4000.00	90.00	6.69999c	(86071524)	TRS :	4500.00	90.00	5.71165c	(86071524)
TRS :	5000.00	90.00	4.90184c	(86071524)	TRS :	533.00	100.00	42.59427c	(86100424)
TRS :	700.00	100.00	43.76976c	(86011924)	TRS :	1100.00	100.00	30.82725c	(86081824)
TRS :	1500.00	100.00	16.59134c	(86071424)	TRS :	2000.00	100.00	14.06645c	(86022424)
TRS :	2500.00	100.00	11.22244c	(86050824)	TRS :	3000.00	100.00	9.64016c	(86050824)
TRS :	3500.00	100.00	8.22893c	(86050824)	TRS :	4000.00	100.00	7.06463c	(86050824)
TRS :	4500.00	100.00	6.11450c	(86050824)	TRS :	5000.00	100.00	5.33968c	(86050824)
TRS :	457.00	110.00	48.52296c	(86042524)	TRS :	700.00	110.00	57.54167c	(86082424)
TRS :	1100.00	110.00	25.52408c	(86011924)	TRS :	1500.00	110.00	24.86694c	(86011224)
TRS :	2000.00	110.00	16.92725c	(86011924)	TRS :	2500.00	110.00	11.40222c	(86090524)
TRS :	3000.00	110.00	8.94276c	(86090524)	TRS :	3500.00	110.00	6.75454c	(86090524)
TRS :	4000.00	110.00	5.27011	(86122424)	TRS :	4500.00	110.00	4.77485c	(86100524)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	4.48244c	(86100524)	TRS :	457.00	120.00	46.76612c	(86053024)
TRS :	700.00	120.00	29.07633c	(86042224)	TRS :	1100.00	120.00	28.49761c	(86040224)
TRS :	1500.00	120.00	20.86836c	(86082424)	TRS :	2000.00	120.00	22.17723c	(86082424)
TRS :	2500.00	120.00	18.86609c	(86082424)	TRS :	3000.00	120.00	14.47135c	(86082424)
TRS :	3500.00	120.00	10.84606c	(86082424)	TRS :	4000.00	120.00	8.19229c	(86082424)
TRS :	4500.00	120.00	6.29800c	(86082424)	TRS :	5000.00	120.00	4.93956c	(86082424)
TRS :	457.00	130.00	59.71733c	(86122024)	TRS :	700.00	130.00	34.12533c	(86122024)
TRS :	1100.00	130.00	21.92397c	(86053024)	TRS :	1500.00	130.00	15.11720	(86040924)
TRS :	2000.00	130.00	10.88267c	(86061324)	TRS :	2500.00	130.00	8.37998c	(86020724)
TRS :	3000.00	130.00	7.17888c	(86020724)	TRS :	3500.00	130.00	6.07110c	(86020724)
TRS :	4000.00	130.00	5.23654c	(86051224)	TRS :	4500.00	130.00	4.67710c	(86051224)
TRS :	5000.00	130.00	4.26085c	(86032824)	TRS :	457.00	140.00	57.97781c	(86110324)
TRS :	700.00	140.00	43.51149c	(86122024)	TRS :	1100.00	140.00	35.81163c	(86122024)
TRS :	1500.00	140.00	23.32411c	(86122024)	TRS :	2000.00	140.00	13.56109c	(86122024)
TRS :	2500.00	140.00	10.54201	(86022524)	TRS :	3000.00	140.00	8.20852	(86022524)
TRS :	3500.00	140.00	6.54943	(86022524)	TRS :	4000.00	140.00	5.82427	(86030724)
TRS :	4500.00	140.00	5.55001	(86030724)	TRS :	5000.00	140.00	5.24595	(86030724)
TRS :	457.00	150.00	49.00729c	(86042324)	TRS :	700.00	150.00	36.73280c	(86110324)
TRS :	1100.00	150.00	37.65602c	(86110324)	TRS :	1500.00	150.00	25.79297c	(86110324)
TRS :	2000.00	150.00	15.66805c	(86110324)	TRS :	2500.00	150.00	12.79423c	(86122024)
TRS :	3000.00	150.00	10.50367c	(86122024)	TRS :	3500.00	150.00	8.73755c	(86122024)
TRS :	4000.00	150.00	7.37937c	(86122024)	TRS :	4500.00	150.00	6.32155c	(86122024)
TRS :	5000.00	150.00	5.48421c	(86122024)	TRS :	488.00	160.00	51.99940c	(86111524)
TRS :	700.00	160.00	42.78701c	(86110224)	TRS :	1100.00	160.00	26.07684c	(86042324)
TRS :	1500.00	160.00	15.31792c	(86042324)	TRS :	2000.00	160.00	12.02803	(86120324)
TRS :	2500.00	160.00	11.89254	(86120324)	TRS :	3000.00	160.00	10.84300	(86120324)
TRS :	3500.00	160.00	9.56955	(86120324)	TRS :	4000.00	160.00	8.36003	(86120324)
TRS :	4500.00	160.00	7.30005	(86120324)	TRS :	5000.00	160.00	6.39901	(86120324)
TRS :	533.00	170.00	56.89844c	(86111524)	TRS :	700.00	170.00	58.24977c	(86111524)
TRS :	1100.00	170.00	36.87025c	(86111524)	TRS :	1500.00	170.00	21.84251c	(86111524)
TRS :	2000.00	170.00	15.79590c	(86110224)	TRS :	2500.00	170.00	12.34958c	(86110224)
TRS :	3000.00	170.00	10.55712	(86122924)	TRS :	3500.00	170.00	10.19066	(86122924)
TRS :	4000.00	170.00	9.62466	(86122924)	TRS :	4500.00	170.00	8.99332	(86122924)
TRS :	5000.00	170.00	8.36384	(86122924)	TRS :	610.00	180.00	30.97620	(86122624)
TRS :	700.00	180.00	28.27603	(86122624)	TRS :	1100.00	180.00	18.98435c	(86110224)
TRS :	1500.00	180.00	16.90341c	(86111524)	TRS :	2000.00	180.00	14.71887c	(86111524)
TRS :	2500.00	180.00	12.43826c	(86111524)	TRS :	3000.00	180.00	10.53566c	(86111524)
TRS :	3500.00	180.00	9.00149c	(86111524)	TRS :	4000.00	180.00	7.76935c	(86111524)
TRS :	4500.00	180.00	6.85348c	(86101524)	TRS :	5000.00	180.00	6.14049c	(86101524)
TRS :	750.00	190.00	38.79410c	(86110224)	TRS :	1100.00	190.00	25.90731c	(86110224)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	17.71731	(86102924)	TRS :	2000.00	190.00	12.80514	(86102924)
TRS :	2500.00	190.00	9.63052	(86102924)	TRS :	3000.00	190.00	7.53473	(86102924)
TRS :	3500.00	190.00	6.07630	(86102924)	TRS :	4000.00	190.00	5.01944	(86102924)
TRS :	4500.00	190.00	4.22833	(86102924)	TRS :	5000.00	190.00	3.86041c	(86092024)
TRS :	1829.00	200.00	13.58848c	(86102824)	TRS :	2000.00	200.00	12.48319c	(86102824)
TRS :	2500.00	200.00	9.99356c	(86102824)	TRS :	3000.00	200.00	8.25789c	(86102824)
TRS :	3500.00	200.00	6.98831c	(86102824)	TRS :	4000.00	200.00	6.02526c	(86102824)
TRS :	4500.00	200.00	5.27234c	(86102824)	TRS :	5000.00	200.00	4.67473c	(86120724)
TRS :	1829.00	210.00	18.89873	(86103024)	TRS :	2000.00	210.00	17.09704	(86103024)
TRS :	2500.00	210.00	13.13187	(86103024)	TRS :	3000.00	210.00	10.48762	(86103024)
TRS :	3500.00	210.00	8.60965	(86103024)	TRS :	4000.00	210.00	7.22143	(86103024)
TRS :	4500.00	210.00	6.16292	(86103024)	TRS :	5000.00	210.00	5.33510	(86103024)
TRS :	1981.00	220.00	20.45775	(86103124)	TRS :	2000.00	220.00	20.27143	(86103124)
TRS :	2500.00	220.00	16.19462	(86103124)	TRS :	3000.00	220.00	13.30739	(86103124)
TRS :	3500.00	220.00	11.17063	(86103124)	TRS :	4000.00	220.00	9.54129	(86103124)
TRS :	4500.00	220.00	8.26678	(86103124)	TRS :	5000.00	220.00	7.24814	(86103124)
TRS :	2134.00	230.00	12.48748	(86110124)	TRS :	2500.00	230.00	10.57669	(86110124)
TRS :	3000.00	230.00	8.64103	(86110124)	TRS :	3500.00	230.00	7.22011	(86110124)
TRS :	4000.00	230.00	6.14297	(86110124)	TRS :	4500.00	230.00	5.30473	(86110124)
TRS :	5000.00	230.00	4.63865c	(86051324)	TRS :	2438.00	240.00	9.40775	(86122224)
TRS :	2500.00	240.00	9.14559	(86122224)	TRS :	3000.00	240.00	7.40725	(86122224)
TRS :	3500.00	240.00	6.15612	(86122224)	TRS :	4000.00	240.00	5.22216	(86122224)
TRS :	4500.00	240.00	4.50310	(86122224)	TRS :	5000.00	240.00	3.93544	(86122224)
TRS :	2896.00	250.00	7.41700c	(86120124)	TRS :	3000.00	250.00	7.14854c	(86120124)
TRS :	3500.00	250.00	6.04563c	(86120124)	TRS :	4000.00	250.00	5.18736c	(86120124)
TRS :	4500.00	250.00	4.50689c	(86120124)	TRS :	5000.00	250.00	3.95815c	(86120124)
TRS :	3048.00	260.00	9.10272c	(86120124)	TRS :	3500.00	260.00	7.76488c	(86062024)
TRS :	4000.00	260.00	6.75013c	(86062024)	TRS :	4500.00	260.00	5.93584c	(86062024)
TRS :	5000.00	260.00	5.27447c	(86062024)	TRS :	3658.00	270.00	8.55086c	(86082924)
TRS :	4000.00	270.00	7.45769c	(86082924)	TRS :	4500.00	270.00	6.49255c	(86100124)
TRS :	5000.00	270.00	5.73456c	(86100124)	TRS :	3962.00	280.00	7.09896c	(86083024)
TRS :	4000.00	280.00	7.02066c	(86083024)	TRS :	4500.00	280.00	6.07806c	(86083024)
TRS :	5000.00	280.00	5.29104c	(86083024)	TRS :	4572.00	290.00	5.18361c	(86110724)
TRS :	5000.00	290.00	4.46893c	(86110724)	TRS :	5182.00	300.00	8.77507c	(86092524)
TRS :	4801.00	310.00	4.86758c	(86102524)	TRS :	5000.00	310.00	4.65650c	(86102524)
TRS :	4875.00	320.00	5.22430c	(86060124)	TRS :	5000.00	320.00	5.07935c	(86060124)
TRS :	6000.00	330.00	3.99250c	(86031224)	TRS :	5500.00	340.00	3.95577c	(86082024)
TRS :	5250.00	350.00	4.76519c	(86031324)	TRS :	5125.00	360.00	3.83143	(86031024)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	10.09935c	(86071308)	TRS :	4500.00	20.00	12.47464	(86081408)
TRS :	5000.00	20.00	10.70848	(86081408)	TRS :	2500.00	30.00	21.28132	(86032008)
TRS :	3000.00	30.00	17.62289	(86032008)	TRS :	3500.00	30.00	14.95650	(86032008)
TRS :	4000.00	30.00	12.93489	(86032008)	TRS :	4500.00	30.00	11.34978	(86032008)
TRS :	5000.00	30.00	10.07615	(86032008)	TRS :	2500.00	40.00	13.11467	(86010308)
TRS :	3000.00	40.00	10.88087	(86072824)	TRS :	3500.00	40.00	9.46084	(86072824)
TRS :	4000.00	40.00	8.36205	(86072824)	TRS :	4500.00	40.00	7.48796	(86072824)
TRS :	5000.00	40.00	6.77452	(86072824)	TRS :	1500.00	50.00	30.90167	(86072808)
TRS :	2000.00	50.00	24.55196	(86072808)	TRS :	2500.00	50.00	19.74977	(86072808)
TRS :	3000.00	50.00	16.22032	(86072808)	TRS :	3500.00	50.00	13.58398	(86072808)
TRS :	4000.00	50.00	11.56418	(86072808)	TRS :	4500.00	50.00	9.98332	(86072808)
TRS :	5000.00	50.00	8.72209	(86072808)	TRS :	1500.00	60.00	35.06078	(86081416)
TRS :	2000.00	60.00	25.25367	(86081416)	TRS :	2500.00	60.00	18.99432	(86081416)
TRS :	3000.00	60.00	14.85459	(86081416)	TRS :	3500.00	60.00	11.98382	(86081416)
TRS :	4000.00	60.00	9.90527	(86081416)	TRS :	4500.00	60.00	8.34862	(86081416)
TRS :	5000.00	60.00	7.32332	(86030324)	TRS :	1500.00	70.00	25.90283c	(86072208)
TRS :	2000.00	70.00	16.51515	(86081516)	TRS :	2500.00	70.00	11.66085	(86081516)
TRS :	3000.00	70.00	8.70286	(86081516)	TRS :	3500.00	70.00	6.76958	(86081516)
TRS :	4000.00	70.00	5.89028c	(86031624)	TRS :	4500.00	70.00	5.18725c	(86031624)
TRS :	5000.00	70.00	4.60514c	(86031624)	TRS :	838.00	80.00	68.19499	(86010308)
TRS :	1100.00	80.00	54.57970	(86111824)	TRS :	1500.00	80.00	42.54135	(86111824)
TRS :	2000.00	80.00	30.21668c	(86020724)	TRS :	2500.00	80.00	22.52188c	(86020724)
TRS :	3000.00	80.00	19.05379c	(86070208)	TRS :	3500.00	80.00	18.01930c	(86070208)
TRS :	4000.00	80.00	16.56955c	(86070208)	TRS :	4500.00	80.00	15.07461c	(86070208)
TRS :	5000.00	80.00	13.67596c	(86070208)	TRS :	686.00	90.00	80.42014	(86050824)
TRS :	1100.00	90.00	59.13780	(86102616)	TRS :	1500.00	90.00	46.72621c	(86111908)
TRS :	2000.00	90.00	34.48987c	(86071524)	TRS :	2500.00	90.00	35.30789c	(86071524)
TRS :	3000.00	90.00	31.87113c	(86071524)	TRS :	3500.00	90.00	27.54973c	(86071524)
TRS :	4000.00	90.00	23.54434c	(86071524)	TRS :	4500.00	90.00	20.13544c	(86071524)
TRS :	5000.00	90.00	17.31820c	(86071524)	TRS :	533.00	100.00	109.42284c	(86100508)
TRS :	700.00	100.00	107.28030c	(86011908)	TRS :	1100.00	100.00	79.29121c	(86081808)
TRS :	1500.00	100.00	48.58875	(86040808)	TRS :	2000.00	100.00	29.32432	(86071424)
TRS :	2500.00	100.00	24.65512	(86050824)	TRS :	3000.00	100.00	22.01696c	(86071208)
TRS :	3500.00	100.00	19.02026c	(86071208)	TRS :	4000.00	100.00	15.97068c	(86071208)
TRS :	4500.00	100.00	13.54822	(86050824)	TRS :	5000.00	100.00	11.84233	(86050824)
TRS :	457.00	110.00	94.46579	(86020716)	TRS :	700.00	110.00	84.26875	(86082408)
TRS :	1100.00	110.00	65.31882c	(86100508)	TRS :	1500.00	110.00	62.50998c	(86011224)
TRS :	2000.00	110.00	48.60415c	(86011224)	TRS :	2500.00	110.00	30.38778c	(86011224)
TRS :	3000.00	110.00	21.68202c	(86081808)	TRS :	3500.00	110.00	17.67034	(86122424)
TRS :	4000.00	110.00	15.64962	(86122424)	TRS :	4500.00	110.00	14.78655c	(86100508)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	13.90120c	(86100508)	TRS :	457.00	120.00	76.47458	(86021124)
TRS :	700.00	120.00	62.88699	(86040924)	TRS :	1100.00	120.00	55.84597	(86051224)
TRS :	1500.00	120.00	37.26860	(86041708)	TRS :	2000.00	120.00	37.08323	(86082408)
TRS :	2500.00	120.00	31.96995	(86082408)	TRS :	3000.00	120.00	24.16613	(86082408)
TRS :	3500.00	120.00	19.34094	(86041108)	TRS :	4000.00	120.00	16.39606	(86041108)
TRS :	4500.00	120.00	14.22665	(86041108)	TRS :	5000.00	120.00	12.57447	(86041108)
TRS :	457.00	130.00	98.55886c	(86112716)	TRS :	700.00	130.00	66.16440	(86021124)
TRS :	1100.00	130.00	44.63162c	(86053024)	TRS :	1500.00	130.00	41.50533	(86040924)
TRS :	2000.00	130.00	28.67940	(86040924)	TRS :	2500.00	130.00	18.85496	(86020716)
TRS :	3000.00	130.00	16.15248	(86020716)	TRS :	3500.00	130.00	13.65998	(86020716)
TRS :	4000.00	130.00	12.97688c	(86032808)	TRS :	4500.00	130.00	13.44039c	(86032808)
TRS :	5000.00	130.00	13.43514c	(86032808)	TRS :	457.00	140.00	182.21597c	(86110308)
TRS :	700.00	140.00	108.09199c	(86110308)	TRS :	1100.00	140.00	48.14123	(86122024)
TRS :	1500.00	140.00	29.53600	(86021124)	TRS :	2000.00	140.00	24.11656	(86021124)
TRS :	2500.00	140.00	18.08542	(86021124)	TRS :	3000.00	140.00	14.72308c	(86101324)
TRS :	3500.00	140.00	12.84973	(86030708)	TRS :	4000.00	140.00	12.28348	(86030708)
TRS :	4500.00	140.00	11.57287	(86030708)	TRS :	5000.00	140.00	10.80061	(86030708)
TRS :	457.00	150.00	79.34253c	(86042308)	TRS :	700.00	150.00	115.44594c	(86110308)
TRS :	1100.00	150.00	118.34749c	(86110308)	TRS :	1500.00	150.00	81.06364c	(86110308)
TRS :	2000.00	150.00	49.24243c	(86110308)	TRS :	2500.00	150.00	31.89232c	(86110308)
TRS :	3000.00	150.00	22.11828c	(86110308)	TRS :	3500.00	150.00	16.20618c	(86110308)
TRS :	4000.00	150.00	13.03946c	(86050308)	TRS :	4500.00	150.00	12.13843c	(86050308)
TRS :	5000.00	150.00	11.19482c	(86050308)	TRS :	488.00	160.00	127.84612c	(86110224)
TRS :	700.00	160.00	98.53113c	(86110224)	TRS :	1100.00	160.00	49.70485c	(86042308)
TRS :	1500.00	160.00	36.42631c	(86021524)	TRS :	2000.00	160.00	35.39782c	(86021524)
TRS :	2500.00	160.00	31.99567	(86120324)	TRS :	3000.00	160.00	29.93935	(86120324)
TRS :	3500.00	160.00	26.77768	(86120324)	TRS :	4000.00	160.00	23.57483	(86120324)
TRS :	4500.00	160.00	20.68466	(86120324)	TRS :	5000.00	160.00	18.18755	(86120324)
TRS :	533.00	170.00	77.37873	(86111316)	TRS :	700.00	170.00	75.33687	(86111516)
TRS :	1100.00	170.00	62.67636c	(86110224)	TRS :	1500.00	170.00	49.95127c	(86110224)
TRS :	2000.00	170.00	37.89570c	(86110224)	TRS :	2500.00	170.00	29.43471c	(86110224)
TRS :	3000.00	170.00	27.71307	(86122908)	TRS :	3500.00	170.00	27.13889	(86122908)
TRS :	4000.00	170.00	25.81620	(86122908)	TRS :	4500.00	170.00	24.21138	(86122908)
TRS :	5000.00	170.00	22.55821	(86122908)	TRS :	610.00	180.00	71.71516	(86102924)
TRS :	700.00	180.00	62.83718	(86122616)	TRS :	1100.00	180.00	38.66353c	(86110408)
TRS :	1500.00	180.00	28.99378c	(86110408)	TRS :	2000.00	180.00	22.78393	(86111316)
TRS :	2500.00	180.00	21.44870c	(86101508)	TRS :	3000.00	180.00	19.96410c	(86101508)
TRS :	3500.00	180.00	18.07883c	(86101508)	TRS :	4000.00	180.00	16.23086c	(86101508)
TRS :	4500.00	180.00	14.56091c	(86101508)	TRS :	5000.00	180.00	13.09765c	(86101508)
TRS :	750.00	190.00	67.32212	(86102924)	TRS :	1100.00	190.00	58.37597	(86102924)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	45.58929	(86102924)	TRS :	2000.00	190.00	33.66665	(86102924)
TRS :	2500.00	190.00	25.68240	(86102924)	TRS :	3000.00	190.00	20.30786	(86102924)
TRS :	3500.00	190.00	16.50857	(86102924)	TRS :	4000.00	190.00	14.44274c	(86092008)
TRS :	4500.00	190.00	13.65625c	(86092008)	TRS :	5000.00	190.00	12.86792c	(86092008)
TRS :	1829.00	200.00	31.39831	(86012508)	TRS :	2000.00	200.00	28.76217	(86012508)
TRS :	2500.00	200.00	22.66465	(86012508)	TRS :	3000.00	200.00	18.39019	(86012508)
TRS :	3500.00	200.00	15.26695	(86012508)	TRS :	4000.00	200.00	12.91258	(86012508)
TRS :	4500.00	200.00	11.09212	(86012508)	TRS :	5000.00	200.00	9.65339	(86012508)
TRS :	1829.00	210.00	32.62157	(86103024)	TRS :	2000.00	210.00	29.53065	(86103024)
TRS :	2500.00	210.00	22.72307	(86103024)	TRS :	3000.00	210.00	18.17997	(86103024)
TRS :	3500.00	210.00	14.95012	(86103024)	TRS :	4000.00	210.00	12.98908c	(86120724)
TRS :	4500.00	210.00	11.68057c	(86120724)	TRS :	5000.00	210.00	10.58515c	(86120724)
TRS :	1981.00	220.00	31.29258	(86110124)	TRS :	2000.00	220.00	31.00053	(86110124)
TRS :	2500.00	220.00	24.62120	(86110124)	TRS :	3000.00	220.00	20.12710	(86110124)
TRS :	3500.00	220.00	16.82257	(86110124)	TRS :	4000.00	220.00	14.31414	(86110124)
TRS :	4500.00	220.00	12.36040	(86110124)	TRS :	5000.00	220.00	10.80565	(86110124)
TRS :	2134.00	230.00	28.95790	(86101208)	TRS :	2500.00	230.00	24.82091	(86101208)
TRS :	3000.00	230.00	20.51244	(86101208)	TRS :	3500.00	230.00	17.27712	(86101208)
TRS :	4000.00	230.00	14.78469	(86101208)	TRS :	4500.00	230.00	12.82165	(86101208)
TRS :	5000.00	230.00	11.24589	(86101208)	TRS :	2438.00	240.00	20.62633	(86112908)
TRS :	2500.00	240.00	20.05042	(86112908)	TRS :	3000.00	240.00	16.19155	(86112908)
TRS :	3500.00	240.00	13.37776	(86112908)	TRS :	4000.00	240.00	11.26418	(86112908)
TRS :	4500.00	240.00	9.63510	(86112908)	TRS :	5000.00	240.00	8.35140	(86112908)
TRS :	2896.00	250.00	14.62334c	(86102324)	TRS :	3000.00	250.00	14.12373c	(86102324)
TRS :	3500.00	250.00	12.03970c	(86102324)	TRS :	4000.00	250.00	10.39014c	(86102324)
TRS :	4500.00	250.00	9.06895c	(86102324)	TRS :	5000.00	250.00	7.99623c	(86102324)
TRS :	3048.00	260.00	14.04054c	(86062024)	TRS :	3500.00	260.00	12.04382c	(86062024)
TRS :	4000.00	260.00	10.27290c	(86062024)	TRS :	4500.00	260.00	8.86255c	(86062024)
TRS :	5000.00	260.00	7.79424	(86062008)	TRS :	3658.00	270.00	18.29352	(86062124)
TRS :	4000.00	270.00	16.82072	(86062124)	TRS :	4500.00	270.00	14.90932	(86062124)
TRS :	5000.00	270.00	13.28073	(86062124)	TRS :	3962.00	280.00	13.52135c	(86083024)
TRS :	4000.00	280.00	13.37081c	(86083024)	TRS :	4500.00	280.00	11.54831c	(86083024)
TRS :	5000.00	280.00	10.01838c	(86083024)	TRS :	4572.00	290.00	10.78000c	(86101308)
TRS :	5000.00	290.00	9.82913c	(86092924)	TRS :	5182.00	300.00	21.59059c	(86092524)
TRS :	4801.00	310.00	13.10330c	(86041824)	TRS :	5000.00	310.00	13.10411c	(86041824)
TRS :	4875.00	320.00	11.07420c	(86060108)	TRS :	5000.00	320.00	10.85022c	(86060108)
TRS :	6000.00	330.00	9.02607c	(86080324)	TRS :	5500.00	340.00	8.98110c	(86082008)
TRS :	5250.00	350.00	10.26215c	(86121808)	TRS :	5125.00	360.00	10.86674c	(86052908)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	20.66118	(86072524)	TRS :	4500.00	20.00	22.08663	(86121112)
TRS :	5000.00	20.00	19.12786	(86121112)	TRS :	2500.00	30.00	39.57870c	(86082021)
TRS :	3000.00	30.00	32.48908	(86072806)	TRS :	3500.00	30.00	28.20637	(86072806)
TRS :	4000.00	30.00	24.95825	(86072806)	TRS :	4500.00	30.00	22.40809	(86072806)
TRS :	5000.00	30.00	20.35100	(86072806)	TRS :	2500.00	40.00	34.97145	(86010303)
TRS :	3000.00	40.00	28.36758	(86010303)	TRS :	3500.00	40.00	23.54185	(86010303)
TRS :	4000.00	40.00	19.90220	(86010303)	TRS :	4500.00	40.00	17.08565	(86010303)
TRS :	5000.00	40.00	14.85812	(86010303)	TRS :	1500.00	50.00	61.09212	(86122409)
TRS :	2000.00	50.00	46.67627	(86072803)	TRS :	2500.00	50.00	37.29856	(86072803)
TRS :	3000.00	50.00	30.49865	(86072803)	TRS :	3500.00	50.00	25.46533	(86072803)
TRS :	4000.00	50.00	21.63489	(86072803)	TRS :	4500.00	50.00	18.65198	(86072803)
TRS :	5000.00	50.00	16.35959	(86081324)	TRS :	1500.00	60.00	83.46814	(86081412)
TRS :	2000.00	60.00	62.40092	(86081412)	TRS :	2500.00	60.00	47.78503	(86081412)
TRS :	3000.00	60.00	37.76598	(86081412)	TRS :	3500.00	60.00	30.68017	(86081412)
TRS :	4000.00	60.00	25.48535	(86081412)	TRS :	4500.00	60.00	21.56112	(86081412)
TRS :	5000.00	60.00	18.52028	(86081412)	TRS :	1500.00	70.00	65.28748	(86081509)
TRS :	2000.00	70.00	37.97542	(86081509)	TRS :	2500.00	70.00	24.40893	(86081509)
TRS :	3000.00	70.00	17.65265	(86070812)	TRS :	3500.00	70.00	14.71309	(86031618)
TRS :	4000.00	70.00	12.71196	(86031618)	TRS :	4500.00	70.00	11.08695	(86031618)
TRS :	5000.00	70.00	9.75900	(86031618)	TRS :	838.00	80.00	181.85327	(86010306)
TRS :	1100.00	80.00	132.83437	(86010306)	TRS :	1500.00	80.00	78.25092	(86020718)
TRS :	2000.00	80.00	60.43336	(86020718)	TRS :	2500.00	80.00	45.04376	(86020718)
TRS :	3000.00	80.00	34.25620	(86020718)	TRS :	3500.00	80.00	26.84523	(86020718)
TRS :	4000.00	80.00	21.57651	(86020718)	TRS :	4500.00	80.00	18.57661	(86071103)
TRS :	5000.00	80.00	16.41937	(86071103)	TRS :	686.00	90.00	129.31279	(86072006)
TRS :	1100.00	90.00	86.54542	(86073124)	TRS :	1500.00	90.00	71.79100	(86031615)
TRS :	2000.00	90.00	48.26181	(86031615)	TRS :	2500.00	90.00	48.22112c	(86071524)
TRS :	3000.00	90.00	46.37929c	(86071524)	TRS :	3500.00	90.00	41.54842c	(86071524)
TRS :	4000.00	90.00	36.31089c	(86071524)	TRS :	4500.00	90.00	31.53669c	(86071524)
TRS :	5000.00	90.00	27.43401c	(86071524)	TRS :	533.00	100.00	145.64323	(86100506)
TRS :	700.00	100.00	136.32066	(86090524)	TRS :	1100.00	100.00	112.99247	(86042724)
TRS :	1500.00	100.00	75.18511	(86040806)	TRS :	2000.00	100.00	46.49392	(86072006)
TRS :	2500.00	100.00	46.81520	(86071203)	TRS :	3000.00	100.00	44.03392	(86071203)
TRS :	3500.00	100.00	38.04052	(86071203)	TRS :	4000.00	100.00	31.94137	(86071203)
TRS :	4500.00	100.00	27.96468	(86072006)	TRS :	5000.00	100.00	24.94329	(86072006)
TRS :	457.00	110.00	146.66051	(86060912)	TRS :	700.00	110.00	141.92699	(86082403)
TRS :	1100.00	110.00	89.64983	(86030124)	TRS :	1500.00	110.00	81.79265c	(86112124)
TRS :	2000.00	110.00	60.42173	(86081803)	TRS :	2500.00	110.00	55.66549	(86090524)
TRS :	3000.00	110.00	44.72187	(86090524)	TRS :	3500.00	110.00	33.94681	(86090524)
TRS :	4000.00	110.00	25.56856	(86090524)	TRS :	4500.00	110.00	23.62495c	(86092303)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	21.78732c	(86092303)	TRS :	457.00	120.00	152.32072c	(86112118)
TRS :	700.00	120.00	118.56994	(86051224)	TRS :	1100.00	120.00	110.31616	(86122506)
TRS :	1500.00	120.00	69.60176	(86070321)	TRS :	2000.00	120.00	66.77500	(86082403)
TRS :	2500.00	120.00	56.66954	(86082403)	TRS :	3000.00	120.00	42.03299	(86082403)
TRS :	3500.00	120.00	34.53183	(86122106)	TRS :	4000.00	120.00	29.84963	(86122106)
TRS :	4500.00	120.00	25.83833	(86122106)	TRS :	5000.00	120.00	22.48857	(86122106)
TRS :	457.00	130.00	151.54424	(86120309)	TRS :	700.00	130.00	120.50824c	(86102718)
TRS :	1100.00	130.00	88.56610	(86051303)	TRS :	1500.00	130.00	78.80967	(86040924)
TRS :	2000.00	130.00	55.77572	(86040924)	TRS :	2500.00	130.00	44.36364	(86051224)
TRS :	3000.00	130.00	39.07407	(86051224)	TRS :	3500.00	130.00	33.94875	(86051224)
TRS :	4000.00	130.00	29.48751	(86051224)	TRS :	4500.00	130.00	25.93093	(86122506)
TRS :	5000.00	130.00	25.93342	(86122506)	TRS :	457.00	140.00	161.69604	(86120318)
TRS :	700.00	140.00	125.00714	(86110306)	TRS :	1100.00	140.00	77.04511	(86120309)
TRS :	1500.00	140.00	46.03017	(86021224)	TRS :	2000.00	140.00	38.84938	(86120324)
TRS :	2500.00	140.00	36.15677c	(86101324)	TRS :	3000.00	140.00	29.44617c	(86101324)
TRS :	3500.00	140.00	30.19604	(86030703)	TRS :	4000.00	140.00	30.41628	(86030703)
TRS :	4500.00	140.00	29.44092	(86030703)	TRS :	5000.00	140.00	27.89748	(86030703)
TRS :	457.00	150.00	126.69869	(86030106)	TRS :	700.00	150.00	118.39462	(86120324)
TRS :	1100.00	150.00	105.05997c	(86110303)	TRS :	1500.00	150.00	74.60109	(86042321)
TRS :	2000.00	150.00	48.35338	(86042321)	TRS :	2500.00	150.00	43.32988	(86031706)
TRS :	3000.00	150.00	38.96054	(86031706)	TRS :	3500.00	150.00	33.52585	(86031706)
TRS :	4000.00	150.00	28.53997	(86031706)	TRS :	4500.00	150.00	26.11996	(86010524)
TRS :	5000.00	150.00	24.91866	(86010524)	TRS :	488.00	160.00	122.18424	(86110218)
TRS :	700.00	160.00	153.26111	(86122903)	TRS :	1100.00	160.00	69.30119	(86030709)
TRS :	1500.00	160.00	54.36499	(86110409)	TRS :	2000.00	160.00	46.13354	(86120324)
TRS :	2500.00	160.00	52.83456	(86120324)	TRS :	3000.00	160.00	51.32245	(86120324)
TRS :	3500.00	160.00	46.76422	(86120324)	TRS :	4000.00	160.00	41.56456	(86120324)
TRS :	4500.00	160.00	36.64524	(86120324)	TRS :	5000.00	160.00	32.29209	(86120324)
TRS :	533.00	170.00	140.30898	(86111312)	TRS :	700.00	170.00	116.42463	(86111312)
TRS :	1100.00	170.00	81.70949	(86111512)	TRS :	1500.00	170.00	52.06247	(86111512)
TRS :	2000.00	170.00	40.59081	(86110218)	TRS :	2500.00	170.00	49.33385	(86122903)
TRS :	3000.00	170.00	51.55400	(86122903)	TRS :	3500.00	170.00	50.32631	(86122903)
TRS :	4000.00	170.00	47.59976	(86122903)	TRS :	4500.00	170.00	44.35966	(86122903)
TRS :	5000.00	170.00	41.07317	(86122903)	TRS :	610.00	180.00	120.08128	(86110103)
TRS :	700.00	180.00	111.55103	(86103006)	TRS :	1100.00	180.00	73.81576	(86103006)
TRS :	1500.00	180.00	60.08319	(86012509)	TRS :	2000.00	180.00	47.99775	(86032709)
TRS :	2500.00	180.00	40.03105	(86032709)	TRS :	3000.00	180.00	33.50152	(86032709)
TRS :	3500.00	180.00	28.31640	(86032709)	TRS :	4000.00	180.00	24.23149	(86032709)
TRS :	4500.00	180.00	21.85521	(86090206)	TRS :	5000.00	180.00	20.21456	(86090206)
TRS :	750.00	190.00	107.48367	(86022318)	TRS :	1100.00	190.00	79.71420	(86102924)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	61.17990	(86102921)	TRS :	2000.00	190.00	46.18723	(86102921)
TRS :	2500.00	190.00	35.72127	(86102921)	TRS :	3000.00	190.00	28.95319c	(86032706)
TRS :	3500.00	190.00	26.74170c	(86032706)	TRS :	4000.00	190.00	24.54749c	(86032706)
TRS :	4500.00	190.00	22.51515c	(86032706)	TRS :	5000.00	190.00	20.68440c	(86032706)
TRS :	1829.00	200.00	75.89886	(86122109)	TRS :	2000.00	200.00	71.01856	(86122109)
TRS :	2500.00	200.00	59.27222	(86122109)	TRS :	3000.00	200.00	50.60872	(86122109)
TRS :	3500.00	200.00	44.08356	(86122109)	TRS :	4000.00	200.00	39.04161	(86122109)
TRS :	4500.00	200.00	35.05455	(86122109)	TRS :	5000.00	200.00	31.83523	(86122109)
TRS :	1829.00	210.00	65.78162	(86103024)	TRS :	2000.00	210.00	59.92411	(86103024)
TRS :	2500.00	210.00	46.77213	(86103024)	TRS :	3000.00	210.00	37.81037	(86103024)
TRS :	3500.00	210.00	31.34487	(86103024)	TRS :	4000.00	210.00	26.50613	(86103024)
TRS :	4500.00	210.00	22.77984	(86103024)	TRS :	5000.00	210.00	19.84145	(86103024)
TRS :	1981.00	220.00	54.47374	(86110124)	TRS :	2000.00	220.00	54.00416	(86110124)
TRS :	2500.00	220.00	43.59923	(86110124)	TRS :	3000.00	220.00	36.09084	(86110124)
TRS :	3500.00	220.00	30.47009	(86110124)	TRS :	4000.00	220.00	26.14541	(86110124)
TRS :	4500.00	220.00	22.73991	(86110124)	TRS :	5000.00	220.00	20.00493	(86110124)
TRS :	2134.00	230.00	33.94796	(86112809)	TRS :	2500.00	230.00	28.94989	(86112809)
TRS :	3000.00	230.00	23.80338	(86112809)	TRS :	3500.00	230.00	19.97820	(86112809)
TRS :	4000.00	230.00	17.05386	(86112809)	TRS :	4500.00	230.00	14.76413	(86112809)
TRS :	5000.00	230.00	12.93450	(86112809)	TRS :	2438.00	240.00	31.66131	(86112906)
TRS :	2500.00	240.00	30.78216	(86112906)	TRS :	3000.00	240.00	24.88192	(86112906)
TRS :	3500.00	240.00	20.56921	(86112906)	TRS :	4000.00	240.00	17.32394	(86112906)
TRS :	4500.00	240.00	14.81922	(86112906)	TRS :	5000.00	240.00	12.84357	(86112906)
TRS :	2896.00	250.00	18.04714	(86120124)	TRS :	3000.00	250.00	17.32447	(86120124)
TRS :	3500.00	250.00	15.81657	(86050424)	TRS :	4000.00	250.00	14.51899	(86050424)
TRS :	4500.00	250.00	13.31559	(86050424)	TRS :	5000.00	250.00	12.23965	(86050424)
TRS :	3048.00	260.00	28.22007	(86050421)	TRS :	3500.00	260.00	23.86986	(86050421)
TRS :	4000.00	260.00	20.23532	(86062324)	TRS :	4500.00	260.00	18.44977	(86062324)
TRS :	5000.00	260.00	16.83963	(86062324)	TRS :	3658.00	270.00	29.22077	(86090821)
TRS :	4000.00	270.00	27.67403	(86090821)	TRS :	4500.00	270.00	25.43751	(86090821)
TRS :	5000.00	270.00	23.33657	(86090821)	TRS :	3962.00	280.00	25.37834	(86100106)
TRS :	4000.00	280.00	25.23485	(86100106)	TRS :	4500.00	280.00	23.20252	(86100106)
TRS :	5000.00	280.00	21.11854	(86100106)	TRS :	4572.00	290.00	23.15813	(86092621)
TRS :	5000.00	290.00	21.62498	(86092621)	TRS :	5182.00	300.00	21.59855	(86060121)
TRS :	4801.00	310.00	22.70621c	(86112003)	TRS :	5000.00	310.00	21.76833	(86090921)
TRS :	4875.00	320.00	22.11463c	(86060103)	TRS :	5000.00	320.00	21.66789c	(86060103)
TRS :	6000.00	330.00	18.05214	(86080321)	TRS :	5500.00	340.00	15.54419	(86051906)
TRS :	5250.00	350.00	21.04517	(86052024)	TRS :	5125.00	360.00	16.92584	(86072624)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	43.88293	(86072522)	TRS :	4500.00	20.00	57.00788	(86080101)
TRS :	5000.00	20.00	51.43296	(86080101)	TRS :	2500.00	30.00	115.19331	(86072806)
TRS :	3000.00	30.00	97.46707	(86072806)	TRS :	3500.00	30.00	84.61902	(86072806)
TRS :	4000.00	30.00	74.87470	(86072806)	TRS :	4500.00	30.00	67.22423	(86072806)
TRS :	5000.00	30.00	61.05296	(86072806)	TRS :	2500.00	40.00	63.20251	(86010301)
TRS :	3000.00	40.00	52.56371	(86010301)	TRS :	3500.00	40.00	44.46788	(86010301)
TRS :	4000.00	40.00	39.31211	(86060707)	TRS :	4500.00	40.00	36.15178	(86060707)
TRS :	5000.00	40.00	33.35679	(86060707)	TRS :	1500.00	50.00	99.11013	(86122408)
TRS :	2000.00	50.00	77.24753	(86122408)	TRS :	2500.00	50.00	61.37047	(86122408)
TRS :	3000.00	50.00	49.92426	(86122408)	TRS :	3500.00	50.00	41.51088	(86122408)
TRS :	4000.00	50.00	35.14795	(86122408)	TRS :	4500.00	50.00	31.46509	(86080202)
TRS :	5000.00	50.00	29.10804	(86080202)	TRS :	1500.00	60.00	106.86546	(86081410)
TRS :	2000.00	60.00	81.05224	(86081410)	TRS :	2500.00	60.00	62.38012	(86081410)
TRS :	3000.00	60.00	53.28889	(86062808)	TRS :	3500.00	60.00	46.75277	(86062808)
TRS :	4000.00	60.00	41.20050	(86062808)	TRS :	4500.00	60.00	36.53649	(86062808)
TRS :	5000.00	60.00	32.61781	(86062808)	TRS :	1500.00	70.00	160.44472	(86072706)
TRS :	2000.00	70.00	91.60717	(86072706)	TRS :	2500.00	70.00	66.57487	(86070810)
TRS :	3000.00	70.00	52.95795	(86070810)	TRS :	3500.00	70.00	44.13926	(86031618)
TRS :	4000.00	70.00	38.13586	(86031618)	TRS :	4500.00	70.00	33.26084	(86031618)
TRS :	5000.00	70.00	29.27701	(86031618)	TRS :	838.00	80.00	230.33643	(86081819)
TRS :	1100.00	80.00	212.53931	(86082218)	TRS :	1500.00	80.00	137.64026	(86082218)
TRS :	2000.00	80.00	97.74027	(86031610)	TRS :	2500.00	80.00	81.75774	(86071102)
TRS :	3000.00	80.00	78.55669	(86071102)	TRS :	3500.00	80.00	71.15528	(86071102)
TRS :	4000.00	80.00	63.13614	(86071102)	TRS :	4500.00	80.00	55.72983	(86071102)
TRS :	5000.00	80.00	49.25810	(86071102)	TRS :	686.00	90.00	265.57968	(86100518)
TRS :	1100.00	90.00	204.83734	(86060708)	TRS :	1500.00	90.00	141.98694	(86102622)
TRS :	2000.00	90.00	129.70039	(86061224)	TRS :	2500.00	90.00	106.60349	(86061224)
TRS :	3000.00	90.00	88.29404	(86112022)	TRS :	3500.00	90.00	85.25669	(86112022)
TRS :	4000.00	90.00	78.78184	(86112022)	TRS :	4500.00	90.00	71.44913	(86112022)
TRS :	5000.00	90.00	64.34813	(86112022)	TRS :	533.00	100.00	271.26849	(86080107)
TRS :	700.00	100.00	249.00165	(86090422)	TRS :	1100.00	100.00	191.98038	(86071608)
TRS :	1500.00	100.00	128.97414	(86081606)	TRS :	2000.00	100.00	100.00675	(86070924)
TRS :	2500.00	100.00	102.10995	(86082307)	TRS :	3000.00	100.00	97.90435	(86082307)
TRS :	3500.00	100.00	85.82288	(86082307)	TRS :	4000.00	100.00	72.89245	(86082307)
TRS :	4500.00	100.00	61.40410	(86082307)	TRS :	5000.00	100.00	51.81559	(86082307)
TRS :	457.00	110.00	297.65952	(86062621)	TRS :	700.00	110.00	254.49323	(86091218)
TRS :	1100.00	110.00	195.50999	(86082519)	TRS :	1500.00	110.00	144.02927	(86010109)
TRS :	2000.00	110.00	105.95680	(86090422)	TRS :	2500.00	110.00	91.00389	(86090523)
TRS :	3000.00	110.00	73.66428	(86092301)	TRS :	3500.00	110.00	77.42656	(86092301)
TRS :	4000.00	110.00	75.46265	(86092301)	TRS :	4500.00	110.00	70.87486	(86092301)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	65.36195	(86092301)	TRS :	457.00	120.00	285.98251	(86100417)
TRS :	700.00	120.00	240.50671	(86080216)	TRS :	1100.00	120.00	165.99168	(86061404)
TRS :	1500.00	120.00	153.78252	(86051224)	TRS :	2000.00	120.00	125.07154	(86121121)
TRS :	2500.00	120.00	95.53883	(86121121)	TRS :	3000.00	120.00	79.76096	(86062011)
TRS :	3500.00	120.00	72.04404	(86030906)	TRS :	4000.00	120.00	71.32146	(86030906)
TRS :	4500.00	120.00	67.74821	(86030906)	TRS :	5000.00	120.00	63.00948	(86030906)
TRS :	457.00	130.00	254.51454	(86090305)	TRS :	700.00	130.00	224.30295	(86082908)
TRS :	1100.00	130.00	192.15883	(86071217)	TRS :	1500.00	130.00	128.90688	(86051301)
TRS :	2000.00	130.00	98.47607	(86022605)	TRS :	2500.00	130.00	92.97485	(86062621)
TRS :	3000.00	130.00	95.67054	(86062621)	TRS :	3500.00	130.00	87.55306	(86062621)
TRS :	4000.00	130.00	76.39840	(86062621)	TRS :	4500.00	130.00	65.48175	(86062621)
TRS :	5000.00	130.00	55.88008	(86062621)	TRS :	457.00	140.00	257.38635	(86101617)
TRS :	700.00	140.00	235.91141	(86080919)	TRS :	1100.00	140.00	181.63020	(86090609)
TRS :	1500.00	140.00	133.74644	(86102619)	TRS :	2000.00	140.00	116.54813	(86120324)
TRS :	2500.00	140.00	108.47032	(86101322)	TRS :	3000.00	140.00	88.33850	(86101322)
TRS :	3500.00	140.00	68.10835	(86101322)	TRS :	4000.00	140.00	57.38309	(86030801)
TRS :	4500.00	140.00	53.77146	(86030801)	TRS :	5000.00	140.00	53.25282	(86031622)
TRS :	457.00	150.00	245.53308	(86083015)	TRS :	700.00	150.00	218.87169	(86022009)
TRS :	1100.00	150.00	169.62854	(86010217)	TRS :	1500.00	150.00	137.91777	(86021701)
TRS :	2000.00	150.00	105.42145	(86032607)	TRS :	2500.00	150.00	86.61774	(86032607)
TRS :	3000.00	150.00	69.63285	(86032607)	TRS :	3500.00	150.00	62.45717	(86050302)
TRS :	4000.00	150.00	59.21568	(86050302)	TRS :	4500.00	150.00	55.31934	(86021705)
TRS :	5000.00	150.00	54.39844	(86021705)	TRS :	488.00	160.00	222.25034	(86022315)
TRS :	700.00	160.00	292.54263	(86020809)	TRS :	1100.00	160.00	163.66685	(86092816)
TRS :	1500.00	160.00	133.36894	(86021520)	TRS :	2000.00	160.00	103.71950	(86021520)
TRS :	2500.00	160.00	82.18194	(86120322)	TRS :	3000.00	160.00	81.42888	(86021702)
TRS :	3500.00	160.00	78.97121	(86021702)	TRS :	4000.00	160.00	73.52955	(86021702)
TRS :	4500.00	160.00	67.20938	(86021702)	TRS :	5000.00	160.00	60.96416	(86021702)
TRS :	533.00	170.00	241.89644	(86080820)	TRS :	700.00	170.00	227.32802	(86080820)
TRS :	1100.00	170.00	164.14104	(86100708)	TRS :	1500.00	170.00	127.52430	(86010407)
TRS :	2000.00	170.00	113.32838	(86020809)	TRS :	2500.00	170.00	104.54935	(86020809)
TRS :	3000.00	170.00	94.60798	(86020809)	TRS :	3500.00	170.00	85.50771	(86020809)
TRS :	4000.00	170.00	77.62202	(86020809)	TRS :	4500.00	170.00	70.88566	(86020809)
TRS :	5000.00	170.00	65.13366	(86020809)	TRS :	610.00	180.00	215.80756	(86110403)
TRS :	700.00	180.00	204.38063	(86110119)	TRS :	1100.00	180.00	161.79964	(86110906)
TRS :	1500.00	180.00	118.62498	(86090205)	TRS :	2000.00	180.00	97.29037	(86102306)
TRS :	2500.00	180.00	86.54879	(86032707)	TRS :	3000.00	180.00	76.16650	(86032707)
TRS :	3500.00	180.00	66.53470	(86032707)	TRS :	4000.00	180.00	58.29252	(86032707)
TRS :	4500.00	180.00	52.89758	(86051001)	TRS :	5000.00	180.00	49.01255	(86051001)
TRS :	750.00	190.00	198.62921	(86022317)	TRS :	1100.00	190.00	160.70621	(86112217)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	120.02905	(86110202)	TRS :	2000.00	190.00	93.40616	(86032705)
TRS :	2500.00	190.00	92.32203	(86032705)	TRS :	3000.00	190.00	86.85956	(86032705)
TRS :	3500.00	190.00	80.22510	(86032705)	TRS :	4000.00	190.00	73.64247	(86032705)
TRS :	4500.00	190.00	67.54544	(86032705)	TRS :	5000.00	190.00	62.05321	(86032705)
TRS :	1829.00	200.00	141.13850	(86111308)	TRS :	2000.00	200.00	130.24756	(86122108)
TRS :	2500.00	200.00	110.85709	(86122108)	TRS :	3000.00	200.00	96.33392	(86122108)
TRS :	3500.00	200.00	85.19354	(86122108)	TRS :	4000.00	200.00	76.41099	(86122108)
TRS :	4500.00	200.00	69.31824	(86122108)	TRS :	5000.00	200.00	63.47312	(86122108)
TRS :	1829.00	210.00	102.81306	(86101221)	TRS :	2000.00	210.00	96.47012	(86101221)
TRS :	2500.00	210.00	81.58855	(86101221)	TRS :	3000.00	210.00	71.93173	(86091804)
TRS :	3500.00	210.00	64.50438	(86091804)	TRS :	4000.00	210.00	58.34848	(86091804)
TRS :	4500.00	210.00	53.17025	(86091804)	TRS :	5000.00	210.00	48.75879	(86091804)
TRS :	1981.00	220.00	70.29879	(86052308)	TRS :	2000.00	220.00	69.74683	(86052308)
TRS :	2500.00	220.00	57.25647	(86052308)	TRS :	3000.00	220.00	48.12707	(86010403)
TRS :	3500.00	220.00	41.97483	(86010403)	TRS :	4000.00	220.00	36.83015	(86010403)
TRS :	4500.00	220.00	32.54601	(86010403)	TRS :	5000.00	220.00	28.96647	(86010403)
TRS :	2134.00	230.00	71.55271	(86051305)	TRS :	2500.00	230.00	62.49814	(86051305)
TRS :	3000.00	230.00	52.63084	(86051305)	TRS :	3500.00	230.00	44.96878	(86051305)
TRS :	4000.00	230.00	38.91859	(86051305)	TRS :	4500.00	230.00	34.06219	(86051305)
TRS :	5000.00	230.00	30.10470	(86051305)	TRS :	2438.00	240.00	59.55117	(86101108)
TRS :	2500.00	240.00	58.68847	(86101108)	TRS :	3000.00	240.00	52.32769	(86101108)
TRS :	3500.00	240.00	46.98968	(86101108)	TRS :	4000.00	240.00	42.53503	(86101108)
TRS :	4500.00	240.00	38.80490	(86101108)	TRS :	5000.00	240.00	35.65885	(86101108)
TRS :	2896.00	250.00	52.54018	(86061822)	TRS :	3000.00	250.00	51.25086	(86061822)
TRS :	3500.00	250.00	45.46815	(86061822)	TRS :	4000.00	250.00	40.44856	(86061822)
TRS :	4500.00	250.00	36.76531	(86121918)	TRS :	5000.00	250.00	34.05449	(86121918)
TRS :	3048.00	260.00	74.12283	(86080824)	TRS :	3500.00	260.00	66.88125	(86080824)
TRS :	4000.00	260.00	59.11082	(86080824)	TRS :	4500.00	260.00	52.18713	(86080824)
TRS :	5000.00	260.00	46.21771	(86080824)	TRS :	3658.00	270.00	76.15004	(86083008)
TRS :	4000.00	270.00	69.58184	(86083008)	TRS :	4500.00	270.00	61.53996	(86083008)
TRS :	5000.00	270.00	58.33226	(86042003)	TRS :	3962.00	280.00	76.13503	(86100104)
TRS :	4000.00	280.00	75.70455	(86100104)	TRS :	4500.00	280.00	69.60757	(86100104)
TRS :	5000.00	280.00	63.35563	(86100104)	TRS :	4572.00	290.00	44.16923	(86092920)
TRS :	5000.00	290.00	43.46205	(86092920)	TRS :	5182.00	300.00	49.38298	(86062321)
TRS :	4801.00	310.00	52.26944	(86120823)	TRS :	5000.00	310.00	50.59088	(86120823)
TRS :	4875.00	320.00	66.34389	(86060103)	TRS :	5000.00	320.00	65.00368	(86060103)
TRS :	6000.00	330.00	42.27502	(86100706)	TRS :	5500.00	340.00	46.46246	(86092721)
TRS :	5250.00	350.00	59.89844	(86021902)	TRS :	5125.00	360.00	50.77753	(86072623)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

OUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
L	1ST HIGHEST VALUE IS	6.36906 AT (	524.90,	-92.55,	0.00,	0.00)	DP	NA
	2ND HIGHEST VALUE IS	5.75886 AT (	429.44,	-156.30,	0.00,	0.00)	DP	NA
	3RD HIGHEST VALUE IS	5.17210 AT (	350.08,	-293.75,	0.00,	0.00)	DP	NA
	4TH HIGHEST VALUE IS	5.14502 AT (	686.00,	0.00,	0.00,	0.00)	DP	NA
	5TH HIGHEST VALUE IS	5.10965 AT (	395.77,	-228.50,	0.00,	0.00)	DP	NA
	6TH HIGHEST VALUE IS	4.99682 AT (	293.75,	-350.08,	0.00,	0.00)	DP	NA
	7TH HIGHEST VALUE IS	4.88812 AT (	689.37,	-121.55,	0.00,	0.00)	DP	NA
	8TH HIGHEST VALUE IS	4.47669 AT (	228.50,	-395.77,	0.00,	0.00)	DP	NA
	9TH HIGHEST VALUE IS	4.30605 AT (	657.78,	-239.41,	0.00,	0.00)	DP	NA
	10TH HIGHEST VALUE IS	4.24810 AT (	825.27,	145.52,	0.00,	0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

OUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
L HIGH 1ST HIGH VALUE IS	59.71733c	ON 86122024:	AT (350.08, -293.75, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	182.21597c	ON 86110308: AT (293.75, -350.08, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 181.85327	ON 86010306:	AT (825.27, 145.52, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	297.65952	ON 86062621: AT (429.44, -156.30, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** Message Summary : ISCST3 Model Execution ***

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

Total of 0 Fatal Error Message(s)
Total of 1 Warning Message(s)
A Total of 1812 Informational Message(s)

Total of 1812 Calm Hours Identified

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

******** WARNING MESSAGES ********
SO W320 27 PPARM :Input Parameter May Be Out-of-Range for Parameter QS

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

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CO STARTING
CO TITLEONE 1987 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK          12/11/98
CO TITLETWO MAXIMUM FUTURE CO EMISSION RATE
CO MODELOPT DFAULT CONC RURAL NOCMPL
CO AVERTIME PERIOD  24 8 3 1
CO POLLUTID CO
CO DCAYCOEF    .000000
CO RUNORNOT RUN
CO FINISHED

SO STARTING

SO Source Location Cards:
** SO          SRCID SRCTYP        XS            YS            ZS
** TRS INCINERATOR STACK IS ORIGIN ONLY
SO BLEACH PLANT BYPASS STACK
SO LOCATION   BLCHSCRB POINT       109.3         141.5           .0
SO LOCATION   TRS      POINT         0.0           0.0           .0

SO Source Parameter Cards:
** POINT:   SRCID       QS        HS         TS          VS         DS
** VOLUME:  SRCID       QS        HS       SYINIT      SZINIT
** AREA:    SRCID       QS        HS       XINIT

SO SRCPARAM   BLCHSCRB    8.0         36.0      338.7        9.30       1.22
SO SRCPARAM   TRS         0.00        76.2      533.2       32.03       0.94

SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  18.95  21.64  21.64
SO BUILDHGT BLCHSCRB        21.64  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  18.95  21.64  21.49
SO BUILDHGT BLCHSCRB        22.25  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  25.76  25.76  25.76
SO BUILDWID BLCHSCRB       102.55 103.66 101.63  29.38  36.02  35.44
SO BUILDWID BLCHSCRB        37.92 100.84 103.51 103.03  99.42  92.78
SO BUILDWID BLCHSCRB        83.33  71.35  68.68  81.13  91.11  98.33
SO BUILDWID BLCHSCRB       102.55 103.66 101.63  29.38 178.89  97.90
SO BUILDWID BLCHSCRB        90.32 100.84 103.51 103.03  99.42  92.78
SO BUILDWID BLCHSCRB        83.33  71.35  68.68  81.13  91.11  98.33

SO EMISUNIT    .100000E+07 (GRAMS/SEC)          (MICROGRAMS/CUBIC-METER)
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
** RECEPTOR ORIGIN IS TRS INCINERATOR STACK
RE DISCPOLR TRS    5000.00      10.00
RE DISCPOLR TRS    4500.00      20.00
RE DISCPOLR TRS    5000.00      20.00
RE DISCPOLR TRS    2500.00      30.00
RE DISCPOLR TRS    3000.00      30.00
RE DISCPOLR TRS    3500.00      30.00
RE DISCPOLR TRS    4000.00      30.00
RE DISCPOLR TRS    4500.00      30.00
RE DISCPOLR TRS    5000.00      30.00
RE DISCPOLR TRS    2500.00      40.00
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[redacted]	DISCPOLR	TRS	3000.00 40.00
[redacted]	DISCPOLR	TRS	3500.00 40.00
RE	DISCPOLR	TRS	4000.00 40.00
[redacted]	DISCPOLR	TRS	4500.00 40.00
[redacted]	DISCPOLR	TRS	5000.00 40.00
RE	DISCPOLR	TRS	1500.00 50.00
[redacted]	DISCPOLR	TRS	2000.00 50.00
[redacted]	DISCPOLR	TRS	2500.00 50.00
[redacted]	DISCPOLR	TRS	3000.00 50.00
RE	DISCPOLR	TRS	3500.00 50.00
[redacted]	DISCPOLR	TRS	4000.00 50.00
[redacted]	DISCPOLR	TRS	4500.00 50.00
RE	DISCPOLR	TRS	5000.00 50.00
[redacted]	DISCPOLR	TRS	1500.00 60.00
[redacted]	DISCPOLR	TRS	2000.00 60.00
RE	DISCPOLR	TRS	2500.00 60.00
[redacted]	DISCPOLR	TRS	3000.00 60.00
[redacted]	DISCPOLR	TRS	3500.00 60.00
[redacted]	DISCPOLR	TRS	4000.00 60.00
RE	DISCPOLR	TRS	4500.00 60.00
[redacted]	DISCPOLR	TRS	5000.00 60.00
[redacted]	DISCPOLR	TRS	1500.00 70.00
RE	DISCPOLR	TRS	2000.00 70.00
[redacted]	DISCPOLR	TRS	2500.00 70.00
[redacted]	DISCPOLR	TRS	3000.00 70.00
[redacted]	DISCPOLR	TRS	3500.00 70.00
RE	DISCPOLR	TRS	4000.00 70.00
[redacted]	DISCPOLR	TRS	4500.00 70.00
[redacted]	DISCPOLR	TRS	5000.00 70.00
RE	DISCPOLR	TRS	838.00 80.00
[redacted]	DISCPOLR	TRS	1100.00 80.00
[redacted]	DISCPOLR	TRS	1500.00 80.00
RE	DISCPOLR	TRS	2000.00 80.00
[redacted]	DISCPOLR	TRS	2500.00 80.00
[redacted]	DISCPOLR	TRS	3000.00 80.00
[redacted]	DISCPOLR	TRS	3500.00 80.00
RE	DISCPOLR	TRS	4000.00 80.00
[redacted]	DISCPOLR	TRS	4500.00 80.00
[redacted]	DISCPOLR	TRS	5000.00 80.00
RE	DISCPOLR	TRS	686.00 90.00
[redacted]	DISCPOLR	TRS	1100.00 90.00
[redacted]	DISCPOLR	TRS	1500.00 90.00
RE	DISCPOLR	TRS	2000.00 90.00
[redacted]	DISCPOLR	TRS	2500.00 90.00
[redacted]	DISCPOLR	TRS	3000.00 90.00
[redacted]	DISCPOLR	TRS	3500.00 90.00
RE	DISCPOLR	TRS	4000.00 90.00
[redacted]	DISCPOLR	TRS	4500.00 90.00
[redacted]	DISCPOLR	TRS	5000.00 90.00
RE	DISCPOLR	TRS	533.00 100.00
[redacted]	DISCPOLR	TRS	700.00 100.00
[redacted]	DISCPOLR	TRS	1100.00 100.00
[redacted]	DISCPOLR	TRS	1500.00 100.00
RE	DISCPOLR	TRS	2000.00 100.00
[redacted]	DISCPOLR	TRS	2500.00 100.00
[redacted]	DISCPOLR	TRS	3000.00 100.00
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[redacted]	DISCPOLR	TRS	4000.00 100.00
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RE	DISCPOLR	TRS	5000.00 100.00

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[redacted] DISCPOLR TRS 457.00 110.00
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[redacted] DISCPOLR TRS 1829.00 200.00
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[redacted] DISCPOLR TRS 3000.00 220.00
[redacted] DISCPOLR TRS 3500.00 220.00
RE DISCPOLR TRS 4000.00 220.00

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RE DISCPOLR TRS    4500.00     220.00
RE DISCPOLR TRS    5000.00     220.00
RE DISCPOLR TRS    2134.00     230.00
RE DISCPOLR TRS    2500.00     230.00
RE DISCPOLR TRS    3000.00     230.00
RE DISCPOLR TRS    3500.00     230.00
RE DISCPOLR TRS    4000.00     230.00
RE DISCPOLR TRS    4500.00     230.00
RE DISCPOLR TRS    5000.00     230.00
RE DISCPOLR TRS    2438.00     240.00
RE DISCPOLR TRS    2500.00     240.00
RE DISCPOLR TRS    3000.00     240.00
RE DISCPOLR TRS    3500.00     240.00
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RE DISCPOLR TRS    4500.00     240.00
RE DISCPOLR TRS    5000.00     240.00
RE DISCPOLR TRS    2896.00     250.00
RE DISCPOLR TRS    3000.00     250.00
RE DISCPOLR TRS    3500.00     250.00
RE DISCPOLR TRS    4000.00     250.00
RE DISCPOLR TRS    4500.00     250.00
RE DISCPOLR TRS    5000.00     250.00
RE DISCPOLR TRS    3048.00     260.00
RE DISCPOLR TRS    3500.00     260.00
RE DISCPOLR TRS    4000.00     260.00
RE DISCPOLR TRS    4500.00     260.00
RE DISCPOLR TRS    5000.00     260.00
RE DISCPOLR TRS    3658.00     270.00
RE DISCPOLR TRS    4000.00     270.00
RE DISCPOLR TRS    4500.00     270.00
RE DISCPOLR TRS    5000.00     270.00
RE DISCPOLR TRS    3962.00     280.00
RE DISCPOLR TRS    4000.00     280.00
RE DISCPOLR TRS    4500.00     280.00
RE DISCPOLR TRS    5000.00     280.00
RE DISCPOLR TRS    4572.00     290.00
RE DISCPOLR TRS    5000.00     290.00
RE DISCPOLR TRS    5182.00     300.00
RE DISCPOLR TRS    4801.00     310.00
RE DISCPOLR TRS    5000.00     310.00
RE DISCPOLR TRS    4875.00     320.00
RE DISCPOLR TRS    5000.00     320.00
RE DISCPOLR TRS    6000.00     330.00
RE DISCPOLR TRS    5500.00     340.00
RE DISCPOLR TRS    5250.00     350.00
RE DISCPOLR TRS    5125.00     360.00
RE FINISHED


ME STARTING
ME INPUTFIL S:\MET\GNSPRL87.BIN                    UNFORM
ME ANEMHGHT    22.00 FEET
ME SURFDATA  12816  1987            JACKSONVILLE
ME UAIRDATA  13861  1987            WAYCROSS
ME WINDCATS    1.50    3.10    5.10    8.20   10.80
ME FINISHED


OU STARTING
OU RECTABLE ALLAVE FIRST
```

FINISHED

** Message Summary For ISC3 Model Setup ***

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

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

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

******** WARNING MESSAGES ********
W320 27 PPARM :Input Parameter May Be Out-of-Range for Parameter QS

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** MODEL SETUP OPTIONS SUMMARY ***

**Simple Terrain Model 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 4 Short Term Average(s) of: 24-HR 8-HR 3-HR 1-HR
and Calculates PERIOD Averages

This Run Includes: 2 Source(s); 1 Source Group(s); and 236 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 PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE 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) = 6.71 ; Decay Coef. = 0.0000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/SEC) ; Emission Rate Unit Factor = 0.10000E+07
Output Units = (MICROGRAMS/CUBIC-METER)

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

Input Runstream File: COCL2.187
**Output Print File: COCL2.087

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
BLCHSCRB	0	0.80000E+01	109.3	141.5	0.0	36.00	338.70	9.30	1.22	YES	
TRS	0	0.00000E+00	0.0	0.0	0.0	76.20	533.20	32.03	0.94	NO	

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	BLCHSCRB, TRS ,

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: BLCHSCRB

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	25.8,	102.6,	0	2	25.8,	103.7,	0	3	25.8,	101.6,	0	4	19.0,	29.4,	0	5	21.6,	36.0,	0	6	21.6,	35.4,	0
7	21.6,	37.9,	0	8	25.8,	100.8,	0	9	25.8,	103.5,	0	10	25.8,	103.0,	0	11	25.8,	99.4,	0	12	25.8,	92.8,	0
13	25.8,	83.3,	0	14	25.8,	71.3,	0	15	25.8,	68.7,	0	16	25.8,	81.1,	0	17	25.8,	91.1,	0	18	25.8,	98.3,	0
19	25.8,	102.6,	0	20	25.8,	103.7,	0	21	25.8,	101.6,	0	22	19.0,	29.4,	0	23	21.6,	178.9,	0	24	21.5,	97.9,	0
25	22.3,	90.3,	0	26	25.8,	100.8,	0	27	25.8,	103.5,	0	28	25.8,	103.0,	0	29	25.8,	99.4,	0	30	25.8,	92.8,	0
31	25.8,	83.3,	0	32	25.8,	71.3,	0	33	25.8,	68.7,	0	34	25.8,	81.1,	0	35	25.8,	91.1,	0	36	25.8,	98.3,	0

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	5000.0,	10.0,	0.0,	0.0);	TRS	: (	4500.0,	20.0,	0.0,	0.0);
TRS	: (	5000.0,	20.0,	0.0,	0.0);	TRS	: (	2500.0,	30.0,	0.0,	0.0);
TRS	: (	3000.0,	30.0,	0.0,	0.0);	TRS	: (	3500.0,	30.0,	0.0,	0.0);
TRS	: (	4000.0,	30.0,	0.0,	0.0);	TRS	: (	4500.0,	30.0,	0.0,	0.0);
TRS	: (	5000.0,	30.0,	0.0,	0.0);	TRS	: (	2500.0,	40.0,	0.0,	0.0);
TRS	: (	3000.0,	40.0,	0.0,	0.0);	TRS	: (	3500.0,	40.0,	0.0,	0.0);
TRS	: (	4000.0,	40.0,	0.0,	0.0);	TRS	: (	4500.0,	40.0,	0.0,	0.0);
TRS	: (	5000.0,	40.0,	0.0,	0.0);	TRS	: (	1500.0,	50.0,	0.0,	0.0);
TRS	: (	2000.0,	50.0,	0.0,	0.0);	TRS	: (	2500.0,	50.0,	0.0,	0.0);
TRS	: (	3000.0,	50.0,	0.0,	0.0);	TRS	: (	3500.0,	50.0,	0.0,	0.0);
TRS	: (	4000.0,	50.0,	0.0,	0.0);	TRS	: (	4500.0,	50.0,	0.0,	0.0);
TRS	: (	5000.0,	50.0,	0.0,	0.0);	TRS	: (	1500.0,	60.0,	0.0,	0.0);
TRS	: (	2000.0,	60.0,	0.0,	0.0);	TRS	: (	2500.0,	60.0,	0.0,	0.0);
TRS	: (	3000.0,	60.0,	0.0,	0.0);	TRS	: (	3500.0,	60.0,	0.0,	0.0);
TRS	: (	4000.0,	60.0,	0.0,	0.0);	TRS	: (	4500.0,	60.0,	0.0,	0.0);
TRS	: (	5000.0,	60.0,	0.0,	0.0);	TRS	: (	1500.0,	70.0,	0.0,	0.0);
TRS	: (	2000.0,	70.0,	0.0,	0.0);	TRS	: (	2500.0,	70.0,	0.0,	0.0);
TRS	: (	3000.0,	70.0,	0.0,	0.0);	TRS	: (	3500.0,	70.0,	0.0,	0.0);
TRS	: (	4000.0,	70.0,	0.0,	0.0);	TRS	: (	4500.0,	70.0,	0.0,	0.0);
TRS	: (	5000.0,	70.0,	0.0,	0.0);	TRS	: (	838.0,	80.0,	0.0,	0.0);
TRS	: (	1100.0,	80.0,	0.0,	0.0);	TRS	: (	1500.0,	80.0,	0.0,	0.0);
TRS	: (	2000.0,	80.0,	0.0,	0.0);	TRS	: (	2500.0,	80.0,	0.0,	0.0);
TRS	: (	3000.0,	80.0,	0.0,	0.0);	TRS	: (	3500.0,	80.0,	0.0,	0.0);
TRS	: (	4000.0,	80.0,	0.0,	0.0);	TRS	: (	4500.0,	80.0,	0.0,	0.0);
TRS	: (	5000.0,	80.0,	0.0,	0.0);	TRS	: (	686.0,	90.0,	0.0,	0.0);
TRS	: (	1100.0,	90.0,	0.0,	0.0);	TRS	: (	1500.0,	90.0,	0.0,	0.0);
TRS	: (	2000.0,	90.0,	0.0,	0.0);	TRS	: (	2500.0,	90.0,	0.0,	0.0);
TRS	: (	3000.0,	90.0,	0.0,	0.0);	TRS	: (	3500.0,	90.0,	0.0,	0.0);
TRS	: (	4000.0,	90.0,	0.0,	0.0);	TRS	: (	4500.0,	90.0,	0.0,	0.0);
TRS	: (	5000.0,	90.0,	0.0,	0.0);	TRS	: (	533.0,	100.0,	0.0,	0.0);
TRS	: (	700.0,	100.0,	0.0,	0.0);	TRS	: (	1100.0,	100.0,	0.0,	0.0);
TRS	: (	1500.0,	100.0,	0.0,	0.0);	TRS	: (	2000.0,	100.0,	0.0,	0.0);
TRS	: (	2500.0,	100.0,	0.0,	0.0);	TRS	: (	3000.0,	100.0,	0.0,	0.0);
TRS	: (	3500.0,	100.0,	0.0,	0.0);	TRS	: (	4000.0,	100.0,	0.0,	0.0);
TRS	: (	4500.0,	100.0,	0.0,	0.0);	TRS	: (	5000.0,	100.0,	0.0,	0.0);
TRS	: (	457.0,	110.0,	0.0,	0.0);	TRS	: (	700.0,	110.0,	0.0,	0.0);
TRS	: (	1100.0,	110.0,	0.0,	0.0);	TRS	: (	1500.0,	110.0,	0.0,	0.0);
TRS	: (	2000.0,	110.0,	0.0,	0.0);	TRS	: (	2500.0,	110.0,	0.0,	0.0);
TRS	: (	3000.0,	110.0,	0.0,	0.0);	TRS	: (	3500.0,	110.0,	0.0,	0.0);
TRS	: (	4000.0,	110.0,	0.0,	0.0);	TRS	: (	4500.0,	110.0,	0.0,	0.0);
TRS	: (	5000.0,	110.0,	0.0,	0.0);	TRS	: (	457.0,	120.0,	0.0,	0.0);
TRS	: (	700.0,	120.0,	0.0,	0.0);	TRS	: (	1100.0,	120.0,	0.0,	0.0);
TRS	: (	1500.0,	120.0,	0.0,	0.0);	TRS	: (	2000.0,	120.0,	0.0,	0.0);
TRS	: (	2500.0,	120.0,	0.0,	0.0);	TRS	: (	3000.0,	120.0,	0.0,	0.0);
TRS	: (	3500.0,	120.0,	0.0,	0.0);	TRS	: (	4000.0,	120.0,	0.0,	0.0);

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	4500.0,	120.0,	0.0,	0.0);	TRS	: (	5000.0,	120.0,	0.0,	0.0);
TRS	: (	457.0,	130.0,	0.0,	0.0);	TRS	: (	700.0,	130.0,	0.0,	0.0);
TRS	: (	1100.0,	130.0,	0.0,	0.0);	TRS	: (	1500.0,	130.0,	0.0,	0.0);
TRS	: (	2000.0,	130.0,	0.0,	0.0);	TRS	: (	2500.0,	130.0,	0.0,	0.0);
TRS	: (	3000.0,	130.0,	0.0,	0.0);	TRS	: (	3500.0,	130.0,	0.0,	0.0);
TRS	: (	4000.0,	130.0,	0.0,	0.0);	TRS	: (	4500.0,	130.0,	0.0,	0.0);
TRS	: (	5000.0,	130.0,	0.0,	0.0);	TRS	: (	457.0,	140.0,	0.0,	0.0);
TRS	: (	700.0,	140.0,	0.0,	0.0);	TRS	: (	1100.0,	140.0,	0.0,	0.0);
TRS	: (	1500.0,	140.0,	0.0,	0.0);	TRS	: (	2000.0,	140.0,	0.0,	0.0);
TRS	: (	2500.0,	140.0,	0.0,	0.0);	TRS	: (	3000.0,	140.0,	0.0,	0.0);
TRS	: (	3500.0,	140.0,	0.0,	0.0);	TRS	: (	4000.0,	140.0,	0.0,	0.0);
TRS	: (	4500.0,	140.0,	0.0,	0.0);	TRS	: (	5000.0,	140.0,	0.0,	0.0);
TRS	: (	457.0,	150.0,	0.0,	0.0);	TRS	: (	700.0,	150.0,	0.0,	0.0);
TRS	: (	1100.0,	150.0,	0.0,	0.0);	TRS	: (	1500.0,	150.0,	0.0,	0.0);
TRS	: (	2000.0,	150.0,	0.0,	0.0);	TRS	: (	2500.0,	150.0,	0.0,	0.0);
TRS	: (	3000.0,	150.0,	0.0,	0.0);	TRS	: (	3500.0,	150.0,	0.0,	0.0);
TRS	: (	4000.0,	150.0,	0.0,	0.0);	TRS	: (	4500.0,	150.0,	0.0,	0.0);
TRS	: (	5000.0,	150.0,	0.0,	0.0);	TRS	: (	488.0,	160.0,	0.0,	0.0);
TRS	: (	700.0,	160.0,	0.0,	0.0);	TRS	: (	1100.0,	160.0,	0.0,	0.0);
TRS	: (	1500.0,	160.0,	0.0,	0.0);	TRS	: (	2000.0,	160.0,	0.0,	0.0);
TRS	: (	2500.0,	160.0,	0.0,	0.0);	TRS	: (	3000.0,	160.0,	0.0,	0.0);
TRS	: (	3500.0,	160.0,	0.0,	0.0);	TRS	: (	4000.0,	160.0,	0.0,	0.0);
TRS	: (	4500.0,	160.0,	0.0,	0.0);	TRS	: (	5000.0,	160.0,	0.0,	0.0);
TRS	: (	533.0,	170.0,	0.0,	0.0);	TRS	: (	700.0,	170.0,	0.0,	0.0);
TRS	: (	1100.0,	170.0,	0.0,	0.0);	TRS	: (	1500.0,	170.0,	0.0,	0.0);
TRS	: (	2000.0,	170.0,	0.0,	0.0);	TRS	: (	2500.0,	170.0,	0.0,	0.0);
TRS	: (	3000.0,	170.0,	0.0,	0.0);	TRS	: (	3500.0,	170.0,	0.0,	0.0);
TRS	: (	4000.0,	170.0,	0.0,	0.0);	TRS	: (	4500.0,	170.0,	0.0,	0.0);
TRS	: (	5000.0,	170.0,	0.0,	0.0);	TRS	: (	610.0,	180.0,	0.0,	0.0);
TRS	: (	700.0,	180.0,	0.0,	0.0);	TRS	: (	1100.0,	180.0,	0.0,	0.0);
TRS	: (	1500.0,	180.0,	0.0,	0.0);	TRS	: (	2000.0,	180.0,	0.0,	0.0);
TRS	: (	2500.0,	180.0,	0.0,	0.0);	TRS	: (	3000.0,	180.0,	0.0,	0.0);
TRS	: (	3500.0,	180.0,	0.0,	0.0);	TRS	: (	4000.0,	180.0,	0.0,	0.0);
TRS	: (	4500.0,	180.0,	0.0,	0.0);	TRS	: (	5000.0,	180.0,	0.0,	0.0);
TRS	: (	750.0,	190.0,	0.0,	0.0);	TRS	: (	1100.0,	190.0,	0.0,	0.0);
TRS	: (	1500.0,	190.0,	0.0,	0.0);	TRS	: (	2000.0,	190.0,	0.0,	0.0);
TRS	: (	2500.0,	190.0,	0.0,	0.0);	TRS	: (	3000.0,	190.0,	0.0,	0.0);
TRS	: (	3500.0,	190.0,	0.0,	0.0);	TRS	: (	4000.0,	190.0,	0.0,	0.0);
TRS	: (	4500.0,	190.0,	0.0,	0.0);	TRS	: (	5000.0,	190.0,	0.0,	0.0);
TRS	: (	1829.0,	200.0,	0.0,	0.0);	TRS	: (	2000.0,	200.0,	0.0,	0.0);
TRS	: (	2500.0,	200.0,	0.0,	0.0);	TRS	: (	3000.0,	200.0,	0.0,	0.0);
TRS	: (	3500.0,	200.0,	0.0,	0.0);	TRS	: (	4000.0,	200.0,	0.0,	0.0);
TRS	: (	4500.0,	200.0,	0.0,	0.0);	TRS	: (	5000.0,	200.0,	0.0,	0.0);
TRS	: (	1829.0,	210.0,	0.0,	0.0);	TRS	: (	2000.0,	210.0,	0.0,	0.0);
TRS	: (	2500.0,	210.0,	0.0,	0.0);	TRS	: (	3000.0,	210.0,	0.0,	0.0);

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	3500.0,	210.0,	0.0,	0.0);	TRS	: (	4000.0,	210.0,	0.0, 0.0);
TRS	: (	4500.0,	210.0,	0.0,	0.0);	TRS	: (	5000.0,	210.0,	0.0, 0.0);
TRS	: (	1981.0,	220.0,	0.0,	0.0);	TRS	: (	2000.0,	220.0,	0.0, 0.0);
TRS	: (	2500.0,	220.0,	0.0,	0.0);	TRS	: (	3000.0,	220.0,	0.0, 0.0);
TRS	: (	3500.0,	220.0,	0.0,	0.0);	TRS	: (	4000.0,	220.0,	0.0, 0.0);
TRS	: (	4500.0,	220.0,	0.0,	0.0);	TRS	: (	5000.0,	220.0,	0.0, 0.0);
TRS	: (	2134.0,	230.0,	0.0,	0.0);	TRS	: (	2500.0,	230.0,	0.0, 0.0);
TRS	: (	3000.0,	230.0,	0.0,	0.0);	TRS	: (	3500.0,	230.0,	0.0, 0.0);
TRS	: (	4000.0,	230.0,	0.0,	0.0);	TRS	: (	4500.0,	230.0,	0.0, 0.0);
TRS	: (	5000.0,	230.0,	0.0,	0.0);	TRS	: (	2438.0,	240.0,	0.0, 0.0);
TRS	: (	2500.0,	240.0,	0.0,	0.0);	TRS	: (	3000.0,	240.0,	0.0, 0.0);
TRS	: (	3500.0,	240.0,	0.0,	0.0);	TRS	: (	4000.0,	240.0,	0.0, 0.0);
TRS	: (	4500.0,	240.0,	0.0,	0.0);	TRS	: (	5000.0,	240.0,	0.0, 0.0);
TRS	: (	2896.0,	250.0,	0.0,	0.0);	TRS	: (	3000.0,	250.0,	0.0, 0.0);
TRS	: (	3500.0,	250.0,	0.0,	0.0);	TRS	: (	4000.0,	250.0,	0.0, 0.0);
TRS	: (	4500.0,	250.0,	0.0,	0.0);	TRS	: (	5000.0,	250.0,	0.0, 0.0);
TRS	: (	3048.0,	260.0,	0.0,	0.0);	TRS	: (	3500.0,	260.0,	0.0, 0.0);
TRS	: (	4000.0,	260.0,	0.0,	0.0);	TRS	: (	4500.0,	260.0,	0.0, 0.0);
TRS	: (	5000.0,	260.0,	0.0,	0.0);	TRS	: (	3658.0,	270.0,	0.0, 0.0);
TRS	: (	4000.0,	270.0,	0.0,	0.0);	TRS	: (	4500.0,	270.0,	0.0, 0.0);
TRS	: (	5000.0,	270.0,	0.0,	0.0);	TRS	: (	3962.0,	280.0,	0.0, 0.0);
TRS	: (	4000.0,	280.0,	0.0,	0.0);	TRS	: (	4500.0,	280.0,	0.0, 0.0);
TRS	: (	5000.0,	280.0,	0.0,	0.0);	TRS	: (	4572.0,	290.0,	0.0, 0.0);
TRS	: (	5000.0,	290.0,	0.0,	0.0);	TRS	: (	5182.0,	300.0,	0.0, 0.0);
TRS	: (	4801.0,	310.0,	0.0,	0.0);	TRS	: (	5000.0,	310.0,	0.0, 0.0);
TRS	: (	4875.0,	320.0,	0.0,	0.0);	TRS	: (	5000.0,	320.0,	0.0, 0.0);
TRS	: (	6000.0,	330.0,	0.0,	0.0);	TRS	: (	5500.0,	340.0,	0.0, 0.0);
TRS	: (	5250.0,	350.0,	0.0,	0.0);	TRS	: (	5125.0,	360.0,	0.0, 0.0);

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

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

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

1.50, 3.10, 5.10, 8.20, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

FILE: S:\MET\GNSPRL87.BIN
FORMAT: UNFORM
SURFACE STATION NO.: 12816 UPPER AIR STATION NO.: 13861
NAME: JACKSONVILLE NAME: WAYCROSS
YEAR: 1987 YEAR: 1987

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-O (M)	IPCODE	PRATE (mm/HR)
87	1	1	1	311.0	4.63	292.0	4	356.7	356.7	0.0000	0.0	0.0000	0	0.00
87	1	1	2	348.0	5.14	292.6	4	351.8	351.8	0.0000	0.0	0.0000	0	0.00
87	1	1	3	344.0	6.17	292.6	4	346.9	346.9	0.0000	0.0	0.0000	0	0.00
87	1	1	4	33.0	3.60	293.2	4	342.0	342.0	0.0000	0.0	0.0000	0	0.00
87	1	1	5	33.0	4.12	292.0	4	337.1	337.1	0.0000	0.0	0.0000	0	0.00
87	1	1	6	142.0	4.12	285.4	4	332.2	332.2	0.0000	0.0	0.0000	0	0.00
87	1	1	7	125.0	7.72	283.2	4	327.3	327.3	0.0000	0.0	0.0000	0	0.00
87	1	1	8	123.0	5.14	282.0	4	322.4	322.4	0.0000	0.0	0.0000	0	0.00
87	1	1	9	107.0	6.17	281.5	4	317.5	317.5	0.0000	0.0	0.0000	0	0.00
87	1	1	10	101.0	6.17	281.5	4	312.6	312.6	0.0000	0.0	0.0000	0	0.00
87	1	1	11	114.0	7.20	282.0	4	307.7	307.7	0.0000	0.0	0.0000	0	0.00
87	1	1	12	126.0	6.17	282.6	4	302.8	302.8	0.0000	0.0	0.0000	0	0.00
87	1	1	13	153.0	5.14	282.6	4	297.9	297.9	0.0000	0.0	0.0000	0	0.00
87	1	1	14	139.0	6.17	282.6	4	293.0	293.0	0.0000	0.0	0.0000	0	0.00
87	1	1	15	132.0	7.20	284.3	4	293.0	293.0	0.0000	0.0	0.0000	0	0.00
87	1	1	16	134.0	6.17	284.8	4	293.0	293.0	0.0000	0.0	0.0000	0	0.00
87	1	1	17	121.0	4.12	285.4	4	293.0	293.0	0.0000	0.0	0.0000	0	0.00
87	1	1	18	127.0	2.57	284.3	5	310.1	302.5	0.0000	0.0	0.0000	0	0.00
87	1	1	19	104.0	2.57	281.5	6	353.3	326.6	0.0000	0.0	0.0000	0	0.00
87	1	1	20	117.0	2.57	282.6	6	396.6	350.7	0.0000	0.0	0.0000	0	0.00
87	1	1	21	140.0	7.20	283.7	5	439.8	374.8	0.0000	0.0	0.0000	0	0.00
87	1	1	22	142.0	2.57	282.0	6	483.1	398.8	0.0000	0.0	0.0000	0	0.00
87	1	1	23	140.0	1.00	279.8	7	526.3	422.9	0.0000	0.0	0.0000	0	0.00
87	1	1	24	110.0	2.06	278.7	6	569.5	447.0	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 NOCMPL

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS	5000.00	10.00	0.22103	TRS	4500.00	20.00	0.23638
TRS	5000.00	20.00	0.20207	TRS	2500.00	30.00	0.57113
TRS	3000.00	30.00	0.43902	TRS	3500.00	30.00	0.35202
TRS	4000.00	30.00	0.29095	TRS	4500.00	30.00	0.24606
TRS	5000.00	30.00	0.21189	TRS	2500.00	40.00	0.43811
TRS	3000.00	40.00	0.34390	TRS	3500.00	40.00	0.28049
TRS	4000.00	40.00	0.23516	TRS	4500.00	40.00	0.20138
TRS	5000.00	40.00	0.17537	TRS	1500.00	50.00	0.81216
TRS	2000.00	50.00	0.54183	TRS	2500.00	50.00	0.39719
TRS	3000.00	50.00	0.30896	TRS	3500.00	50.00	0.25012
TRS	4000.00	50.00	0.20847	TRS	4500.00	50.00	0.17764
TRS	5000.00	50.00	0.15395	TRS	1500.00	60.00	0.97087
TRS	2000.00	60.00	0.66814	TRS	2500.00	60.00	0.49933
TRS	3000.00	60.00	0.39365	TRS	3500.00	60.00	0.32176
TRS	4000.00	60.00	0.27014	TRS	4500.00	60.00	0.23148
TRS	5000.00	60.00	0.20150	TRS	1500.00	70.00	1.11907
TRS	2000.00	70.00	0.72007	TRS	2500.00	70.00	0.51304
TRS	3000.00	70.00	0.39039	TRS	3500.00	70.00	0.31052
TRS	4000.00	70.00	0.25501	TRS	4500.00	70.00	0.21455
TRS	5000.00	70.00	0.18395	TRS	838.00	80.00	3.69965
TRS	1100.00	80.00	2.44223	TRS	1500.00	80.00	1.52264
TRS	2000.00	80.00	0.99481	TRS	2500.00	80.00	0.71415
TRS	3000.00	80.00	0.54499	TRS	3500.00	80.00	0.43427
TRS	4000.00	80.00	0.35701	TRS	4500.00	80.00	0.30046
TRS	5000.00	80.00	0.25757	TRS	686.00	90.00	4.84643
TRS	1100.00	90.00	2.98827	TRS	1500.00	90.00	2.00822
TRS	2000.00	90.00	1.32909	TRS	2500.00	90.00	0.96401
TRS	3000.00	90.00	0.74532	TRS	3500.00	90.00	0.60246
TRS	4000.00	90.00	0.50252	TRS	4500.00	90.00	0.42893
TRS	5000.00	90.00	0.37264	TRS	533.00	100.00	6.43942
TRS	700.00	100.00	4.39579	TRS	1100.00	100.00	2.73887
TRS	1500.00	100.00	1.94068	TRS	2000.00	100.00	1.35691
TRS	2500.00	100.00	1.00988	TRS	3000.00	100.00	0.79016
TRS	3500.00	100.00	0.64195	TRS	4000.00	100.00	0.53629
TRS	4500.00	100.00	0.45763	TRS	5000.00	100.00	0.39708
TRS	457.00	110.00	7.13596	TRS	700.00	110.00	4.99393
TRS	1100.00	110.00	3.05747	TRS	1500.00	110.00	2.03683
TRS	2000.00	110.00	1.32418	TRS	2500.00	110.00	0.96088
TRS	3000.00	110.00	0.75061	TRS	3500.00	110.00	0.61440
TRS	4000.00	110.00	0.51869	TRS	4500.00	110.00	0.44752

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS	5000.00	110.00	0.39243	TRS	457.00	120.00	7.16714
TRS	700.00	120.00	4.96213	TRS	1100.00	120.00	3.24040
TRS	1500.00	120.00	2.30984	TRS	2000.00	120.00	1.53473
TRS	2500.00	120.00	1.11569	TRS	3000.00	120.00	0.87208
TRS	3500.00	120.00	0.71477	TRS	4000.00	120.00	0.60444
TRS	4500.00	120.00	0.52241	TRS	5000.00	120.00	0.45889
TRS	457.00	130.00	6.53024	TRS	700.00	130.00	4.93414
TRS	1100.00	130.00	3.04401	TRS	1500.00	130.00	2.20058
TRS	2000.00	130.00	1.54827	TRS	2500.00	130.00	1.14271
TRS	3000.00	130.00	0.88842	TRS	3500.00	130.00	0.72024
TRS	4000.00	130.00	0.60243	TRS	4500.00	130.00	0.51577
TRS	5000.00	130.00	0.44953	TRS	457.00	140.00	5.54199
TRS	700.00	140.00	4.20788	TRS	1100.00	140.00	3.12861
TRS	1500.00	140.00	2.19257	TRS	2000.00	140.00	1.56055
TRS	2500.00	140.00	1.19616	TRS	3000.00	140.00	0.95678
TRS	3500.00	140.00	0.78825	TRS	4000.00	140.00	0.66420
TRS	4500.00	140.00	0.56983	TRS	5000.00	140.00	0.49613
TRS	457.00	150.00	5.08623	TRS	700.00	150.00	3.64866
TRS	1100.00	150.00	2.66533	TRS	1500.00	150.00	1.96917
TRS	2000.00	150.00	1.38011	TRS	2500.00	150.00	1.05169
TRS	3000.00	150.00	0.85494	TRS	3500.00	150.00	0.72317
TRS	4000.00	150.00	0.62707	TRS	4500.00	150.00	0.55279
TRS	5000.00	150.00	0.49322	TRS	488.00	160.00	3.99199
TRS	700.00	160.00	3.17974	TRS	1100.00	160.00	2.40509
TRS	1500.00	160.00	1.80092	TRS	2000.00	160.00	1.27775
TRS	2500.00	160.00	0.95561	TRS	3000.00	160.00	0.75061
TRS	3500.00	160.00	0.61231	TRS	4000.00	160.00	0.51397
TRS	4500.00	160.00	0.44093	TRS	5000.00	160.00	0.38475
TRS	533.00	170.00	3.95495	TRS	700.00	170.00	3.12578
TRS	1100.00	170.00	1.97637	TRS	1500.00	170.00	1.41937
TRS	2000.00	170.00	1.03612	TRS	2500.00	170.00	0.80731
TRS	3000.00	170.00	0.65546	TRS	3500.00	170.00	0.54746
TRS	4000.00	170.00	0.46703	TRS	4500.00	170.00	0.40506
TRS	5000.00	170.00	0.35604	TRS	610.00	180.00	3.38539
TRS	700.00	180.00	3.04220	TRS	1100.00	180.00	2.07160
TRS	1500.00	180.00	1.54940	TRS	2000.00	180.00	1.15342
TRS	2500.00	180.00	0.90295	TRS	3000.00	180.00	0.73399
TRS	3500.00	180.00	0.61340	TRS	4000.00	180.00	0.52362
TRS	4500.00	180.00	0.45452	TRS	5000.00	180.00	0.39994
TRS	750.00	190.00	2.78660	TRS	1100.00	190.00	1.98797

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS :	1500.00	190.00	1.46784	TRS :	2000.00	190.00	1.08329
TRS :	2500.00	190.00	0.84425	TRS :	3000.00	190.00	0.68427
TRS :	3500.00	190.00	0.57046	TRS :	4000.00	190.00	0.48586
TRS :	4500.00	190.00	0.42082	TRS :	5000.00	190.00	0.36949
TRS :	1829.00	200.00	1.24111	TRS :	2000.00	200.00	1.11909
TRS :	2500.00	200.00	0.85915	TRS :	3000.00	200.00	0.68976
TRS :	3500.00	200.00	0.57125	TRS :	4000.00	200.00	0.48427
TRS :	4500.00	200.00	0.41807	TRS :	5000.00	200.00	0.36621
TRS :	1829.00	210.00	1.38116	TRS :	2000.00	210.00	1.24963
TRS :	2500.00	210.00	0.96448	TRS :	3000.00	210.00	0.77529
TRS :	3500.00	210.00	0.64153	TRS :	4000.00	210.00	0.54273
TRS :	4500.00	210.00	0.46724	TRS :	5000.00	210.00	0.40800
TRS :	1981.00	220.00	1.01423	TRS :	2000.00	220.00	1.00378
TRS :	2500.00	220.00	0.78300	TRS :	3000.00	220.00	0.63430
TRS :	3500.00	220.00	0.52779	TRS :	4000.00	220.00	0.44852
TRS :	4500.00	220.00	0.38759	TRS :	5000.00	220.00	0.33950
TRS :	2134.00	230.00	1.04790	TRS :	2500.00	230.00	0.88352
TRS :	3000.00	230.00	0.72084	TRS :	3500.00	230.00	0.60347
TRS :	4000.00	230.00	0.51546	TRS :	4500.00	230.00	0.44730
TRS :	5000.00	230.00	0.39319	TRS :	2438.00	240.00	0.89698
TRS :	2500.00	240.00	0.87235	TRS :	3000.00	240.00	0.70947
TRS :	3500.00	240.00	0.59250	TRS :	4000.00	240.00	0.50514
TRS :	4500.00	240.00	0.43772	TRS :	5000.00	240.00	0.38433
TRS :	2896.00	250.00	0.97678	TRS :	3000.00	250.00	0.94200
TRS :	3500.00	250.00	0.80145	TRS :	4000.00	250.00	0.69406
TRS :	4500.00	250.00	0.60935	TRS :	5000.00	250.00	0.54120
TRS :	3048.00	260.00	1.10452	TRS :	3500.00	260.00	0.93197
TRS :	4000.00	260.00	0.78769	TRS :	4500.00	260.00	0.67706
TRS :	5000.00	260.00	0.59011	TRS :	3658.00	270.00	0.80585
TRS :	4000.00	270.00	0.71551	TRS :	4500.00	270.00	0.61104
TRS :	5000.00	270.00	0.53010	TRS :	3962.00	280.00	0.52665
TRS :	4000.00	280.00	0.51914	TRS :	4500.00	280.00	0.43485
TRS :	5000.00	280.00	0.37121	TRS :	4572.00	290.00	0.36011
TRS :	5000.00	290.00	0.31756	TRS :	5182.00	300.00	0.31572
TRS :	4801.00	310.00	0.28934	TRS :	5000.00	310.00	0.27344
TRS :	4875.00	320.00	0.34981	TRS :	5000.00	320.00	0.33782
TRS :	6000.00	330.00	0.21920	TRS :	5500.00	340.00	0.26960
TRS :	5250.00	350.00	0.26996	TRS :	5125.00	360.00	0.29763

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	3.40560c	(87061324)	TRS :	4500.00	20.00	3.88122	(87030824)
TRS :	5000.00	20.00	3.40589	(87030824)	TRS :	2500.00	30.00	8.53613c	(87071524)
TRS :	3000.00	30.00	7.02555c	(87071524)	TRS :	3500.00	30.00	5.94590c	(87071524)
TRS :	4000.00	30.00	5.13460c	(87071524)	TRS :	4500.00	30.00	4.50302c	(87071524)
TRS :	5000.00	30.00	3.99792c	(87071524)	TRS :	2500.00	40.00	8.90265c	(87011524)
TRS :	3000.00	40.00	7.54208c	(87011524)	TRS :	3500.00	40.00	6.54055c	(87011524)
TRS :	4000.00	40.00	5.77263c	(87011524)	TRS :	4500.00	40.00	5.16669c	(87011524)
TRS :	5000.00	40.00	4.67609c	(87011524)	TRS :	1500.00	50.00	9.69716c	(87072824)
TRS :	2000.00	50.00	7.54339c	(87012524)	TRS :	2500.00	50.00	6.04898c	(87012524)
TRS :	3000.00	50.00	4.98567c	(87012524)	TRS :	3500.00	50.00	4.19768c	(87012524)
TRS :	4000.00	50.00	3.59809c	(87012524)	TRS :	4500.00	50.00	3.12978c	(87012524)
TRS :	5000.00	50.00	2.75574c	(87012524)	TRS :	1500.00	60.00	9.94549c	(87062724)
TRS :	2000.00	60.00	7.01581	(87111024)	TRS :	2500.00	60.00	5.43787c	(87021424)
TRS :	3000.00	60.00	4.60073c	(87021424)	TRS :	3500.00	60.00	3.96798c	(87021424)
TRS :	4000.00	60.00	3.48015c	(87021424)	TRS :	4500.00	60.00	3.09282c	(87021424)
TRS :	5000.00	60.00	2.77527c	(87021424)	TRS :	1500.00	70.00	16.36041c	(87122824)
TRS :	2000.00	70.00	10.32513c	(87122824)	TRS :	2500.00	70.00	7.01715c	(87122824)
TRS :	3000.00	70.00	5.08074c	(87122824)	TRS :	3500.00	70.00	3.85832c	(87122824)
TRS :	4000.00	70.00	3.12456c	(87112824)	TRS :	4500.00	70.00	2.84921c	(87112824)
TRS :	5000.00	70.00	2.61622c	(87112824)	TRS :	838.00	80.00	40.39970c	(87081924)
TRS :	1100.00	80.00	28.41348c	(87090724)	TRS :	1500.00	80.00	18.44852c	(87021224)
TRS :	2000.00	80.00	15.23933c	(87021224)	TRS :	2500.00	80.00	12.69232c	(87021224)
TRS :	3000.00	80.00	10.62562c	(87021224)	TRS :	3500.00	80.00	8.97941c	(87021224)
TRS :	4000.00	80.00	7.67648c	(87021224)	TRS :	4500.00	80.00	6.63622c	(87021224)
TRS :	5000.00	80.00	5.79732c	(87021224)	TRS :	686.00	90.00	59.30138c	(87071224)
TRS :	1100.00	90.00	32.77069c	(87092024)	TRS :	1500.00	90.00	23.39983c	(87050224)
TRS :	2000.00	90.00	16.02456c	(87040524)	TRS :	2500.00	90.00	12.61994c	(87040524)
TRS :	3000.00	90.00	9.43140c	(87040524)	TRS :	3500.00	90.00	7.09322c	(87040524)
TRS :	4000.00	90.00	5.45278c	(87040524)	TRS :	4500.00	90.00	4.43971	(87012224)
TRS :	5000.00	90.00	3.86529	(87012224)	TRS :	533.00	100.00	67.94662c	(87010224)
TRS :	700.00	100.00	37.66574c	(87010224)	TRS :	1100.00	100.00	20.97029c	(87020324)
TRS :	1500.00	100.00	19.66841c	(87020324)	TRS :	2000.00	100.00	14.77929c	(87040724)
TRS :	2500.00	100.00	13.50255c	(87040724)	TRS :	3000.00	100.00	11.40755c	(87040724)
TRS :	3500.00	100.00	9.42742c	(87040724)	TRS :	4000.00	100.00	7.79533c	(87040724)
TRS :	4500.00	100.00	6.49839c	(87040724)	TRS :	5000.00	100.00	5.47559c	(87040724)
TRS :	457.00	110.00	78.81228c	(87011324)	TRS :	700.00	110.00	38.56361c	(87013124)
TRS :	1100.00	110.00	36.32188c	(87010224)	TRS :	1500.00	110.00	28.86250c	(87010224)
TRS :	2000.00	110.00	15.79534c	(87010224)	TRS :	2500.00	110.00	9.83443c	(87021324)
TRS :	3000.00	110.00	7.21458c	(87021324)	TRS :	3500.00	110.00	5.64701c	(87042824)
TRS :	4000.00	110.00	5.24826c	(87042824)	TRS :	4500.00	110.00	4.78252c	(87042824)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS	5000.00	110.00	4.32662c	(87042824)	TRS	457.00	120.00	76.83239c	(87081324)
TRS	700.00	120.00	52.18111c	(87011324)	TRS	1100.00	120.00	29.62272c	(87011324)
TRS	1500.00	120.00	20.09152c	(87040824)	TRS	2000.00	120.00	12.82372c	(87013124)
TRS	2500.00	120.00	10.89382c	(87010224)	TRS	3000.00	120.00	8.91974c	(87010224)
TRS	3500.00	120.00	7.47233c	(87120524)	TRS	4000.00	120.00	6.70129c	(87120524)
TRS	4500.00	120.00	5.92796c	(87120524)	TRS	5000.00	120.00	5.22307c	(87120524)
TRS	457.00	130.00	78.39354c	(87081024)	TRS	700.00	130.00	69.99793c	(87081324)
TRS	1100.00	130.00	27.53449c	(87080824)	TRS	1500.00	130.00	23.09443	(87112024)
TRS	2000.00	130.00	19.47676	(87112024)	TRS	2500.00	130.00	14.69156	(87112024)
TRS	3000.00	130.00	12.68390c	(87010724)	TRS	3500.00	130.00	11.06113c	(87010724)
TRS	4000.00	130.00	9.63404c	(87010724)	TRS	4500.00	130.00	8.42561c	(87010724)
TRS	5000.00	130.00	7.41561c	(87010724)	TRS	457.00	140.00	43.97947c	(87042524)
TRS	700.00	140.00	45.81832c	(87081024)	TRS	1100.00	140.00	44.64612c	(87081324)
TRS	1500.00	140.00	35.21695c	(87081324)	TRS	2000.00	140.00	26.44080c	(87081324)
TRS	2500.00	140.00	19.83320c	(87081324)	TRS	3000.00	140.00	15.05221c	(87081324)
TRS	3500.00	140.00	11.66015c	(87081324)	TRS	4000.00	140.00	9.23237c	(87081324)
TRS	4500.00	140.00	7.46362c	(87081324)	TRS	5000.00	140.00	6.74436c	(87020824)
TRS	457.00	150.00	47.41451c	(87020924)	TRS	700.00	150.00	35.44875c	(87102124)
TRS	1100.00	150.00	22.98426c	(87102924)	TRS	1500.00	150.00	26.09395c	(87092124)
TRS	2000.00	150.00	18.93152c	(87092124)	TRS	2500.00	150.00	13.11062c	(87092124)
TRS	3000.00	150.00	10.57329c	(87081024)	TRS	3500.00	150.00	9.56228c	(87081024)
TRS	4000.00	150.00	8.57405c	(87081024)	TRS	4500.00	150.00	7.68639c	(87081024)
TRS	5000.00	150.00	6.91424c	(87081024)	TRS	488.00	160.00	36.48436c	(87111924)
TRS	700.00	160.00	29.19559c	(87020924)	TRS	1100.00	160.00	23.96264	(87101724)
TRS	1500.00	160.00	19.94081c	(87030224)	TRS	2000.00	160.00	17.30087c	(87030224)
TRS	2500.00	160.00	13.67152c	(87030224)	TRS	3000.00	160.00	10.79777c	(87030224)
TRS	3500.00	160.00	8.69060c	(87030224)	TRS	4000.00	160.00	7.14494c	(87030224)
TRS	4500.00	160.00	5.98630c	(87030224)	TRS	5000.00	160.00	5.40497c	(87042524)
TRS	533.00	170.00	28.36409c	(87100924)	TRS	700.00	170.00	24.89042c	(87021824)
TRS	1100.00	170.00	20.07246c	(87111924)	TRS	1500.00	170.00	16.08682c	(87111924)
TRS	2000.00	170.00	12.28825c	(87111924)	TRS	2500.00	170.00	9.85791c	(87111924)
TRS	3000.00	170.00	8.15115c	(87111924)	TRS	3500.00	170.00	6.87173c	(87111924)
TRS	4000.00	170.00	5.88035c	(87111924)	TRS	4500.00	170.00	5.09589c	(87111924)
TRS	5000.00	170.00	4.46463c	(87111924)	TRS	610.00	180.00	52.75732c	(87031224)
TRS	700.00	180.00	46.89268c	(87031224)	TRS	1100.00	180.00	25.96280c	(87031224)
TRS	1500.00	180.00	16.19130c	(87100924)	TRS	2000.00	180.00	12.92005c	(87100924)
TRS	2500.00	180.00	10.05727c	(87100924)	TRS	3000.00	180.00	7.93534c	(87100924)
TRS	3500.00	180.00	6.40359c	(87100924)	TRS	4000.00	180.00	5.28131c	(87100924)
TRS	4500.00	180.00	4.43986c	(87100924)	TRS	5000.00	180.00	3.79417c	(87100924)
TRS	750.00	190.00	31.13287	(87101124)	TRS	1100.00	190.00	22.10160	(87101224)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	16.89429	(87101224)	TRS :	2000.00	190.00	12.59229	(87101224)
TRS :	2500.00	190.00	10.12567c	(87031224)	TRS :	3000.00	190.00	8.36692c	(87031224)
TRS :	3500.00	190.00	7.03210c	(87031224)	TRS :	4000.00	190.00	6.00129c	(87031224)
TRS :	4500.00	190.00	5.19038c	(87031224)	TRS :	5000.00	190.00	4.54118c	(87031224)
TRS :	1829.00	200.00	11.82271c	(87050524)	TRS :	2000.00	200.00	10.58951c	(87050524)
TRS :	2500.00	200.00	8.00441c	(87050524)	TRS :	3000.00	200.00	6.84450c	(87121324)
TRS :	3500.00	200.00	6.05799c	(87121324)	TRS :	4000.00	200.00	5.43409c	(87121324)
TRS :	4500.00	200.00	4.92785c	(87121324)	TRS :	5000.00	200.00	4.50924c	(87121324)
TRS :	1829.00	210.00	15.69937	(87101124)	TRS :	2000.00	210.00	14.16980	(87101124)
TRS :	2500.00	210.00	10.83650	(87101124)	TRS :	3000.00	210.00	8.63618	(87101124)
TRS :	3500.00	210.00	7.08014	(87101124)	TRS :	4000.00	210.00	5.93413	(87101124)
TRS :	4500.00	210.00	5.06256	(87101124)	TRS :	5000.00	210.00	4.38218	(87101124)
TRS :	1981.00	220.00	11.57349c	(87102424)	TRS :	2000.00	220.00	11.44695c	(87102424)
TRS :	2500.00	220.00	8.78202	(87030624)	TRS :	3000.00	220.00	7.05919	(87030624)
TRS :	3500.00	220.00	5.82678	(87030624)	TRS :	4000.00	220.00	4.91102	(87030624)
TRS :	4500.00	220.00	4.20919	(87030624)	TRS :	5000.00	220.00	3.65770	(87030624)
TRS :	2134.00	230.00	10.79661	(87110124)	TRS :	2500.00	230.00	9.22312	(87110124)
TRS :	3000.00	230.00	7.61415	(87110124)	TRS :	3500.00	230.00	6.42184	(87110124)
TRS :	4000.00	230.00	5.51148	(87110124)	TRS :	4500.00	230.00	4.79778	(87110124)
TRS :	5000.00	230.00	4.22598	(87110124)	TRS :	2438.00	240.00	9.02309	(87022024)
TRS :	2500.00	240.00	8.77864	(87022024)	TRS :	3000.00	240.00	7.13774	(87022024)
TRS :	3500.00	240.00	5.93500	(87022024)	TRS :	4000.00	240.00	5.02601	(87022024)
TRS :	4500.00	240.00	4.32111	(87022024)	TRS :	5000.00	240.00	3.76247	(87022024)
TRS :	2896.00	250.00	7.07183c	(87050924)	TRS :	3000.00	250.00	6.85853c	(87050924)
TRS :	3500.00	250.00	5.96937c	(87050924)	TRS :	4000.00	250.00	5.26038c	(87050924)
TRS :	4500.00	250.00	4.68108c	(87050924)	TRS :	5000.00	250.00	4.20294c	(87050924)
TRS :	3048.00	260.00	10.12091	(87051624)	TRS :	3500.00	260.00	8.81515	(87051624)
TRS :	4000.00	260.00	7.66484	(87051624)	TRS :	4500.00	260.00	6.74472	(87051624)
TRS :	5000.00	260.00	6.08654c	(87120824)	TRS :	3658.00	270.00	8.30805c	(87082124)
TRS :	4000.00	270.00	7.44473	(87122324)	TRS :	4500.00	270.00	6.63316	(87122324)
TRS :	5000.00	270.00	5.94603	(87122324)	TRS :	3962.00	280.00	5.76447	(87051124)
TRS :	4000.00	280.00	5.67621	(87051124)	TRS :	4500.00	280.00	4.67576	(87051124)
TRS :	5000.00	280.00	3.91383	(87051124)	TRS :	4572.00	290.00	4.19761c	(87092924)
TRS :	5000.00	290.00	3.69835c	(87092924)	TRS :	5182.00	300.00	4.00648c	(87010324)
TRS :	4801.00	310.00	4.32332c	(87111624)	TRS :	5000.00	310.00	4.11147c	(87111624)
TRS :	4875.00	320.00	5.98828c	(87121424)	TRS :	5000.00	320.00	5.88198c	(87121424)
TRS :	6000.00	330.00	3.35358c	(87081624)	TRS :	5500.00	340.00	5.95711c	(87122524)
TRS :	5250.00	350.00	3.99458c	(87080124)	TRS :	5125.00	360.00	4.43708	(87093024)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	10.45048c	(87061308)	TRS :	4500.00	20.00	7.98324c	(87011616)
TRS :	5000.00	20.00	6.96485c	(87011616)	TRS :	2500.00	30.00	20.64912c	(87121016)
TRS :	3000.00	30.00	15.83614c	(87121016)	TRS :	3500.00	30.00	12.64453c	(87121016)
TRS :	4000.00	30.00	10.44509c	(87060208)	TRS :	4500.00	30.00	9.46887c	(87060208)
TRS :	5000.00	30.00	8.64461c	(87060208)	TRS :	2500.00	40.00	15.81004c	(87071524)
TRS :	3000.00	40.00	12.80433c	(87071524)	TRS :	3500.00	40.00	10.62759c	(87071524)
TRS :	4000.00	40.00	8.99292c	(87071524)	TRS :	4500.00	40.00	7.73121c	(87071524)
TRS :	5000.00	40.00	6.73480c	(87071524)	TRS :	1500.00	50.00	18.65484c	(87061416)
TRS :	2000.00	50.00	12.59288	(87012524)	TRS :	2500.00	50.00	10.10608	(87012524)
TRS :	3000.00	50.00	8.35773	(87012524)	TRS :	3500.00	50.00	7.06163	(87012524)
TRS :	4000.00	50.00	6.07583	(87012524)	TRS :	4500.00	50.00	5.38991	(87011824)
TRS :	5000.00	50.00	5.01010	(87011824)	TRS :	1500.00	60.00	23.46945	(87062716)
TRS :	2000.00	60.00	16.31691	(87062716)	TRS :	2500.00	60.00	11.96937	(87062716)
TRS :	3000.00	60.00	9.19965	(87062716)	TRS :	3500.00	60.00	7.47653	(87122824)
TRS :	4000.00	60.00	6.52263	(87021424)	TRS :	4500.00	60.00	5.90477	(87021424)
TRS :	5000.00	60.00	5.37582	(87021424)	TRS :	1500.00	70.00	26.70894c	(87100624)
TRS :	2000.00	70.00	14.75004	(87122824)	TRS :	2500.00	70.00	12.68809c	(87112824)
TRS :	3000.00	70.00	11.47876c	(87112824)	TRS :	3500.00	70.00	10.34923c	(87112824)
TRS :	4000.00	70.00	9.37368c	(87112824)	TRS :	4500.00	70.00	8.54764c	(87112824)
TRS :	5000.00	70.00	7.84866c	(87112824)	TRS :	838.00	80.00	81.84724c	(87090924)
TRS :	1100.00	80.00	79.13308c	(87090724)	TRS :	1500.00	80.00	54.53321c	(87090724)
TRS :	2000.00	80.00	32.00267c	(87081824)	TRS :	2500.00	80.00	26.28219c	(87081824)
TRS :	3000.00	80.00	20.86129c	(87081824)	TRS :	3500.00	80.00	16.64719c	(87081824)
TRS :	4000.00	80.00	13.84529c	(87100624)	TRS :	4500.00	80.00	12.49355c	(87100624)
TRS :	5000.00	80.00	11.35034c	(87100624)	TRS :	686.00	90.00	73.70066c	(87071408)
TRS :	1100.00	90.00	58.19069c	(87092008)	TRS :	1500.00	90.00	45.41486c	(87050224)
TRS :	2000.00	90.00	36.48419c	(87040524)	TRS :	2500.00	90.00	29.96602c	(87040524)
TRS :	3000.00	90.00	22.59926c	(87040524)	TRS :	3500.00	90.00	16.98324c	(87040524)
TRS :	4000.00	90.00	13.55762	(87082908)	TRS :	4500.00	90.00	11.18029	(87082908)
TRS :	5000.00	90.00	9.39677	(87012224)	TRS :	533.00	100.00	96.43942	(87010208)
TRS :	700.00	100.00	58.59424c	(87050108)	TRS :	1100.00	100.00	53.34528c	(87090816)
TRS :	1500.00	100.00	38.35748c	(87020308)	TRS :	2000.00	100.00	25.21992	(87121024)
TRS :	2500.00	100.00	22.54968c	(87071408)	TRS :	3000.00	100.00	19.05108c	(87071408)
TRS :	3500.00	100.00	16.01517c	(87020224)	TRS :	4000.00	100.00	13.48912c	(87020224)
TRS :	4500.00	100.00	11.29637c	(87020224)	TRS :	5000.00	100.00	10.21180c	(87092008)
TRS :	457.00	110.00	108.29639c	(87020708)	TRS :	700.00	110.00	69.80117	(87013108)
TRS :	1100.00	110.00	57.10715	(87010208)	TRS :	1500.00	110.00	47.79161	(87010208)
TRS :	2000.00	110.00	31.51022c	(87103008)	TRS :	2500.00	110.00	20.06425c	(87090624)
TRS :	3000.00	110.00	16.78888c	(87090624)	TRS :	3500.00	110.00	13.29546c	(87090624)
TRS :	4000.00	110.00	11.91694c	(87050108)	TRS :	4500.00	110.00	10.75235	(87042824)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	9.72777	(87042824)	TRS :	457.00	120.00	132.29504c	(87020808)
TRS :	700.00	120.00	88.05994c	(87080624)	TRS :	1100.00	120.00	57.01693c	(87020708)
TRS :	1500.00	120.00	45.58893	(87040808)	TRS :	2000.00	120.00	28.29156	(87013108)
TRS :	2500.00	120.00	24.47322	(87013108)	TRS :	3000.00	120.00	20.04925	(87013108)
TRS :	3500.00	120.00	18.32443c	(87040908)	TRS :	4000.00	120.00	16.51169c	(87040908)
TRS :	4500.00	120.00	14.85054c	(87040908)	TRS :	5000.00	120.00	13.39426c	(87040908)
TRS :	457.00	130.00	149.89279c	(87081008)	TRS :	700.00	130.00	83.61280c	(87081308)
TRS :	1100.00	130.00	58.14429c	(87020808)	TRS :	1500.00	130.00	56.54096c	(87080624)
TRS :	2000.00	130.00	39.95371c	(87080624)	TRS :	2500.00	130.00	23.58541	(87010724)
TRS :	3000.00	130.00	22.16883	(87010724)	TRS :	3500.00	130.00	20.04461	(87010724)
TRS :	4000.00	130.00	17.89912	(87010724)	TRS :	4500.00	130.00	15.93946	(87010724)
TRS :	5000.00	130.00	14.22087	(87010724)	TRS :	457.00	140.00	117.70003	(87102908)
TRS :	700.00	140.00	102.81821c	(87081008)	TRS :	1100.00	140.00	75.09994c	(87081724)
TRS :	1500.00	140.00	42.78749c	(87041708)	TRS :	2000.00	140.00	39.56179c	(87081308)
TRS :	2500.00	140.00	34.10708c	(87081308)	TRS :	3000.00	140.00	29.32511c	(87020808)
TRS :	3500.00	140.00	28.78671c	(87020808)	TRS :	4000.00	140.00	27.60900c	(87020808)
TRS :	4500.00	140.00	26.11700c	(87020808)	TRS :	5000.00	140.00	24.51397c	(87020808)
TRS :	457.00	150.00	84.43491	(87101708)	TRS :	700.00	150.00	78.88737c	(87042524)
TRS :	1100.00	150.00	66.01054	(87102908)	TRS :	1500.00	150.00	41.72549	(87092108)
TRS :	2000.00	150.00	34.52289c	(87092124)	TRS :	2500.00	150.00	29.22007c	(87092124)
TRS :	3000.00	150.00	26.22255c	(87081008)	TRS :	3500.00	150.00	23.28951c	(87081008)
TRS :	4000.00	150.00	20.53186c	(87081008)	TRS :	4500.00	150.00	18.13383c	(87081008)
TRS :	5000.00	150.00	16.10400c	(87081008)	TRS :	488.00	160.00	61.57547c	(87100224)
TRS :	700.00	160.00	56.42105c	(87071624)	TRS :	1100.00	160.00	45.63432	(87101708)
TRS :	1500.00	160.00	40.72851c	(87092308)	TRS :	2000.00	160.00	32.61576c	(87092308)
TRS :	2500.00	160.00	25.26981c	(87042524)	TRS :	3000.00	160.00	23.17260c	(87042524)
TRS :	3500.00	160.00	21.01618c	(87042524)	TRS :	4000.00	160.00	19.00295c	(87042524)
TRS :	4500.00	160.00	17.18955c	(87042524)	TRS :	5000.00	160.00	15.58638c	(87042524)
TRS :	533.00	170.00	83.93161	(87102508)	TRS :	700.00	170.00	62.36642c	(87110524)
TRS :	1100.00	170.00	43.03172c	(87110524)	TRS :	1500.00	170.00	36.35295c	(87100224)
TRS :	2000.00	170.00	28.95044c	(87100224)	TRS :	2500.00	170.00	22.07020c	(87032008)
TRS :	3000.00	170.00	19.63370c	(87032008)	TRS :	3500.00	170.00	16.95416c	(87032008)
TRS :	4000.00	170.00	14.54719c	(87032008)	TRS :	4500.00	170.00	12.51675c	(87032008)
TRS :	5000.00	170.00	10.83810c	(87032008)	TRS :	610.00	180.00	103.27947c	(87110508)
TRS :	700.00	180.00	90.42051c	(87110508)	TRS :	1100.00	180.00	49.76036	(87102508)
TRS :	1500.00	180.00	44.17950c	(87100908)	TRS :	2000.00	180.00	35.84070c	(87100908)
TRS :	2500.00	180.00	28.19120c	(87100908)	TRS :	3000.00	180.00	22.41248c	(87100908)
TRS :	3500.00	180.00	18.19193c	(87100908)	TRS :	4000.00	180.00	15.07715c	(87100908)
TRS :	4500.00	180.00	12.72935c	(87100908)	TRS :	5000.00	180.00	10.91993c	(87100908)
TRS :	750.00	190.00	62.14405c	(87110508)	TRS :	1100.00	190.00	55.17286c	(87110508)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	45.34096c	(87110508)	TRS :	2000.00	190.00	35.39706c	(87110508)
TRS :	2500.00	190.00	28.18494c	(87110508)	TRS :	3000.00	190.00	23.02226c	(87110508)
TRS :	3500.00	190.00	19.20947c	(87110508)	TRS :	4000.00	190.00	16.30931c	(87110508)
TRS :	4500.00	190.00	14.05183c	(87110508)	TRS :	5000.00	190.00	12.25855c	(87110508)
TRS :	1829.00	200.00	29.34898c	(87121308)	TRS :	2000.00	200.00	27.65155c	(87121308)
TRS :	2500.00	200.00	23.58804c	(87121308)	TRS :	3000.00	200.00	20.53349c	(87121308)
TRS :	3500.00	200.00	18.17397c	(87121308)	TRS :	4000.00	200.00	16.30226c	(87121308)
TRS :	4500.00	200.00	14.78355c	(87121308)	TRS :	5000.00	200.00	13.52772c	(87121308)
TRS :	1829.00	210.00	27.72841	(87031216)	TRS :	2000.00	210.00	25.23571	(87031216)
TRS :	2500.00	210.00	19.65428	(87031216)	TRS :	3000.00	210.00	15.85937	(87031216)
TRS :	3500.00	210.00	13.12730	(87031216)	TRS :	4000.00	210.00	11.08657	(87031216)
TRS :	4500.00	210.00	9.51756	(87031216)	TRS :	5000.00	210.00	8.28206	(87031216)
TRS :	1981.00	220.00	18.27570c	(87012108)	TRS :	2000.00	220.00	18.11942c	(87012108)
TRS :	2500.00	220.00	14.64293c	(87012108)	TRS :	3000.00	220.00	12.11939c	(87012108)
TRS :	3500.00	220.00	10.22585c	(87012108)	TRS :	4000.00	220.00	8.76710c	(87012108)
TRS :	4500.00	220.00	7.61775c	(87012108)	TRS :	5000.00	220.00	6.69460c	(87012108)
TRS :	2134.00	230.00	22.84102	(87110124)	TRS :	2500.00	230.00	19.50270c	(87022708)
TRS :	3000.00	230.00	16.23894c	(87022708)	TRS :	3500.00	230.00	13.75137c	(87022708)
TRS :	4000.00	230.00	11.81412c	(87022708)	TRS :	4500.00	230.00	10.27639c	(87022708)
TRS :	5000.00	230.00	9.03538c	(87022708)	TRS :	2438.00	240.00	17.18846	(87020508)
TRS :	2500.00	240.00	16.74508	(87020508)	TRS :	3000.00	240.00	13.73643	(87020508)
TRS :	3500.00	240.00	11.49786	(87020508)	TRS :	4000.00	240.00	9.78862	(87020508)
TRS :	4500.00	240.00	8.45311	(87020508)	TRS :	5000.00	240.00	7.38847	(87020508)
TRS :	2896.00	250.00	14.92924c	(87051308)	TRS :	3000.00	250.00	14.40078c	(87051308)
TRS :	3500.00	250.00	12.21888c	(87051308)	TRS :	4000.00	250.00	10.51459c	(87051308)
TRS :	4500.00	250.00	9.15303c	(87051308)	TRS :	5000.00	250.00	8.16115c	(87121324)
TRS :	3048.00	260.00	26.58881	(87051608)	TRS :	3500.00	260.00	23.66153	(87051608)
TRS :	4000.00	260.00	20.94434	(87051608)	TRS :	4500.00	260.00	18.67936	(87051608)
TRS :	5000.00	260.00	16.78004	(87051608)	TRS :	3658.00	270.00	22.56389	(87122324)
TRS :	4000.00	270.00	20.94975	(87122324)	TRS :	4500.00	270.00	18.83575	(87122324)
TRS :	5000.00	270.00	16.99699	(87122324)	TRS :	3962.00	280.00	15.49870	(87051108)
TRS :	4000.00	280.00	15.26989	(87051108)	TRS :	4500.00	280.00	12.65552	(87051108)
TRS :	5000.00	280.00	10.64030	(87051108)	TRS :	4572.00	290.00	9.94739c	(87122524)
TRS :	5000.00	290.00	9.16984c	(87082108)	TRS :	5182.00	300.00	12.12861c	(87010324)
TRS :	4801.00	310.00	7.63435c	(87081308)	TRS :	5000.00	310.00	7.61541c	(87081308)
TRS :	4875.00	320.00	13.21865	(87122508)	TRS :	5000.00	320.00	12.83072	(87122508)
TRS :	6000.00	330.00	10.06073c	(87081608)	TRS :	5500.00	340.00	11.05523c	(87122524)
TRS :	5250.00	350.00	10.52566	(87022824)	TRS :	5125.00	360.00	8.33678c	(87080224)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	17.53133c	(87061303)	TRS :	4500.00	20.00	19.06719	(87080124)
TRS :	5000.00	20.00	17.19850	(87080124)	TRS :	2500.00	30.00	29.66178	(87060203)
TRS :	3000.00	30.00	26.09996	(87060203)	TRS :	3500.00	30.00	23.23564	(87060203)
TRS :	4000.00	30.00	20.89019	(87060203)	TRS :	4500.00	30.00	18.93774	(87060203)
TRS :	5000.00	30.00	17.28922	(87060203)	TRS :	2500.00	40.00	26.69080	(87011512)
TRS :	3000.00	40.00	22.40952	(87011512)	TRS :	3500.00	40.00	19.35002	(87011512)
TRS :	4000.00	40.00	17.05638	(87011512)	TRS :	4500.00	40.00	15.27146	(87011512)
TRS :	5000.00	40.00	13.84134	(87011512)	TRS :	1500.00	50.00	37.34898	(87012518)
TRS :	2000.00	50.00	30.77938	(87012518)	TRS :	2500.00	50.00	25.56992	(87012518)
TRS :	3000.00	50.00	21.59566	(87012518)	TRS :	3500.00	50.00	18.50615	(87012518)
TRS :	4000.00	50.00	16.08584	(87012518)	TRS :	4500.00	50.00	14.15341	(87012518)
TRS :	5000.00	50.00	12.58235	(87012518)	TRS :	1500.00	60.00	34.18465	(87062518)
TRS :	2000.00	60.00	23.12441	(87022718)	TRS :	2500.00	60.00	19.53750	(87011615)
TRS :	3000.00	60.00	16.62167	(87011615)	TRS :	3500.00	60.00	14.25333	(87011615)
TRS :	4000.00	60.00	12.34662	(87011615)	TRS :	4500.00	60.00	11.18053	(87012524)
TRS :	5000.00	60.00	10.22045	(87012524)	TRS :	1500.00	70.00	35.39314	(87011021)
TRS :	2000.00	70.00	27.21648c	(87112818)	TRS :	2500.00	70.00	25.37618c	(87112818)
TRS :	3000.00	70.00	22.95752c	(87112818)	TRS :	3500.00	70.00	20.69845c	(87112818)
TRS :	4000.00	70.00	18.74736c	(87112818)	TRS :	4500.00	70.00	17.09529c	(87112818)
TRS :	5000.00	70.00	15.69732c	(87112818)	TRS :	838.00	80.00	110.05027	(87090721)
TRS :	1100.00	80.00	121.92258	(87090721)	TRS :	1500.00	80.00	72.29709	(87121121)
TRS :	2000.00	80.00	53.21823	(87121121)	TRS :	2500.00	80.00	34.75512c	(87021209)
TRS :	3000.00	80.00	30.68319c	(87021209)	TRS :	3500.00	80.00	26.60012c	(87021209)
TRS :	4000.00	80.00	23.00317c	(87021209)	TRS :	4500.00	80.00	19.96984c	(87021209)
TRS :	5000.00	80.00	17.44896c	(87021209)	TRS :	686.00	90.00	137.07826c	(87071209)
TRS :	1100.00	90.00	115.98234	(87092003)	TRS :	1500.00	90.00	55.21690	(87040924)
TRS :	2000.00	90.00	63.81262	(87040521)	TRS :	2500.00	90.00	51.57175	(87040521)
TRS :	3000.00	90.00	37.69034	(87040521)	TRS :	3500.00	90.00	27.85625	(87082903)
TRS :	4000.00	90.00	23.12699	(87082903)	TRS :	4500.00	90.00	19.21767	(87082903)
TRS :	5000.00	90.00	16.08305	(87082903)	TRS :	533.00	100.00	209.52223	(87093021)
TRS :	700.00	100.00	122.15665	(87093021)	TRS :	1100.00	100.00	77.62278	(87041103)
TRS :	1500.00	100.00	61.92134c	(87092021)	TRS :	2000.00	100.00	54.78469	(87011706)
TRS :	2500.00	100.00	47.62581	(87011706)	TRS :	3000.00	100.00	39.45811	(87011706)
TRS :	3500.00	100.00	32.49069	(87011706)	TRS :	4000.00	100.00	26.95514	(87011706)
TRS :	4500.00	100.00	22.61732	(87011706)	TRS :	5000.00	100.00	19.20590	(87011706)
TRS :	457.00	110.00	174.64055	(87011315)	TRS :	700.00	110.00	144.84550	(87121106)
TRS :	1100.00	110.00	131.51678	(87093021)	TRS :	1500.00	110.00	84.92968	(87093021)
TRS :	2000.00	110.00	46.17901	(87093021)	TRS :	2500.00	110.00	36.75486c	(87090624)
TRS :	3000.00	110.00	34.74576	(87042824)	TRS :	3500.00	110.00	33.85187	(87042824)
TRS :	4000.00	110.00	31.46366	(87042824)	TRS :	4500.00	110.00	28.67294	(87042824)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	25.94071	(87042824)	TRS :	457.00	120.00	188.00787	(87020806)
TRS :	700.00	120.00	144.36446	(87081321)	TRS :	1100.00	120.00	114.22690	(87093024)
TRS :	1500.00	120.00	78.66814c	(87080721)	TRS :	2000.00	120.00	49.61016	(87121106)
TRS :	2500.00	120.00	36.68579	(87121106)	TRS :	3000.00	120.00	32.60312c	(87021121)
TRS :	3500.00	120.00	30.56464c	(87021121)	TRS :	4000.00	120.00	27.49381c	(87021121)
TRS :	4500.00	120.00	24.35612c	(87021121)	TRS :	5000.00	120.00	21.50033c	(87021121)
TRS :	457.00	130.00	194.57887	(87081009)	TRS :	700.00	130.00	137.78291	(87121718)
TRS :	1100.00	130.00	112.63611	(87041803)	TRS :	1500.00	130.00	79.12794	(87081321)
TRS :	2000.00	130.00	52.75777	(87081321)	TRS :	2500.00	130.00	44.13875	(87010724)
TRS :	3000.00	130.00	40.36283	(87010724)	TRS :	3500.00	130.00	35.89350	(87010724)
TRS :	4000.00	130.00	31.71539	(87010724)	TRS :	4500.00	130.00	28.04522	(87010724)
TRS :	5000.00	130.00	24.90076	(87010724)	TRS :	457.00	140.00	193.49391	(87102903)
TRS :	700.00	140.00	139.24614	(87081009)	TRS :	1100.00	140.00	111.26702c	(87081721)
TRS :	1500.00	140.00	59.72091c	(87081721)	TRS :	2000.00	140.00	53.85974	(87121718)
TRS :	2500.00	140.00	44.74719	(87121718)	TRS :	3000.00	140.00	36.52111c	(87042506)
TRS :	3500.00	140.00	34.94351	(87020806)	TRS :	4000.00	140.00	36.08648	(87020806)
TRS :	4500.00	140.00	35.72096	(87020806)	TRS :	5000.00	140.00	34.53839	(87020806)
TRS :	457.00	150.00	124.62904	(87020918)	TRS :	700.00	150.00	122.56240	(87042521)
TRS :	1100.00	150.00	114.41361	(87102903)	TRS :	1500.00	150.00	76.96857	(87092103)
TRS :	2000.00	150.00	55.71359	(87100103)	TRS :	2500.00	150.00	40.30295	(87102821)
TRS :	3000.00	150.00	32.18064	(87102821)	TRS :	3500.00	150.00	29.18218	(87081006)
TRS :	4000.00	150.00	29.64884c	(87031924)	TRS :	4500.00	150.00	29.74523c	(87031924)
TRS :	5000.00	150.00	29.07278c	(87031924)	TRS :	488.00	160.00	115.29043	(87021815)
TRS :	700.00	160.00	99.32621	(87112503)	TRS :	1100.00	160.00	75.43093c	(87021821)
TRS :	1500.00	160.00	72.42672	(87010303)	TRS :	2000.00	160.00	54.10988	(87010303)
TRS :	2500.00	160.00	40.28539	(87042521)	TRS :	3000.00	160.00	38.49452	(87042521)
TRS :	3500.00	160.00	35.87743	(87042521)	TRS :	4000.00	160.00	33.06770	(87042521)
TRS :	4500.00	160.00	30.33480	(87042521)	TRS :	5000.00	160.00	27.80113	(87042521)
TRS :	533.00	170.00	123.67768	(87062809)	TRS :	700.00	170.00	103.40873	(87012021)
TRS :	1100.00	170.00	72.99732	(87110521)	TRS :	1500.00	170.00	48.28378	(87021006)
TRS :	2000.00	170.00	42.83304	(87111906)	TRS :	2500.00	170.00	36.53746	(87111906)
TRS :	3000.00	170.00	30.96934	(87111906)	TRS :	3500.00	170.00	28.17135	(87101503)
TRS :	4000.00	170.00	25.30103	(87101503)	TRS :	4500.00	170.00	22.63152	(87101503)
TRS :	5000.00	170.00	20.26481	(87101503)	TRS :	610.00	180.00	148.07274	(87031224)
TRS :	700.00	180.00	133.90591	(87031224)	TRS :	1100.00	180.00	81.48676	(87071906)
TRS :	1500.00	180.00	62.76980	(87102506)	TRS :	2000.00	180.00	50.07370	(87102506)
TRS :	2500.00	180.00	39.63179	(87102506)	TRS :	3000.00	180.00	31.89420	(87102506)
TRS :	3500.00	180.00	26.19640	(87102506)	TRS :	4000.00	180.00	21.91926	(87102506)
TRS :	4500.00	180.00	19.20506	(87101506)	TRS :	5000.00	180.00	17.04439	(87101506)
TRS :	750.00	190.00	99.24072c	(87110506)	TRS :	1100.00	190.00	78.13660c	(87110506)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	58.43509c	(87110506)	TRS :	2000.00	190.00	42.82276	(87101303)
TRS :	2500.00	190.00	39.48364	(87110106)	TRS :	3000.00	190.00	37.69345	(87110106)
TRS :	3500.00	190.00	35.22019	(87110106)	TRS :	4000.00	190.00	32.64038	(87110106)
TRS :	4500.00	190.00	30.18082	(87110106)	TRS :	5000.00	190.00	27.92100	(87110106)
TRS :	1829.00	200.00	58.69796	(87121309)	TRS :	2000.00	200.00	55.30310	(87121309)
TRS :	2500.00	200.00	47.17608	(87121309)	TRS :	3000.00	200.00	41.06699	(87121309)
TRS :	3500.00	200.00	36.34793	(87121309)	TRS :	4000.00	200.00	32.60452	(87121309)
TRS :	4500.00	200.00	29.56711	(87121309)	TRS :	5000.00	200.00	27.05544	(87121309)
TRS :	1829.00	210.00	65.29602	(87031215)	TRS :	2000.00	210.00	59.44617	(87031215)
TRS :	2500.00	210.00	46.36600	(87031215)	TRS :	3000.00	210.00	37.47971	(87031215)
TRS :	3500.00	210.00	31.08370	(87031215)	TRS :	4000.00	210.00	26.30369	(87031215)
TRS :	4500.00	210.00	22.62551	(87031215)	TRS :	5000.00	210.00	19.72615	(87031215)
TRS :	1981.00	220.00	32.49205	(87102403)	TRS :	2000.00	220.00	32.20181	(87102403)
TRS :	2500.00	220.00	25.81960	(87102403)	TRS :	3000.00	220.00	21.26811	(87102403)
TRS :	3500.00	220.00	17.88799	(87102403)	TRS :	4000.00	220.00	15.30277	(87102403)
TRS :	4500.00	220.00	13.27649	(87102403)	TRS :	5000.00	220.00	12.28759	(87053003)
TRS :	2134.00	230.00	41.59946	(87110124)	TRS :	2500.00	230.00	35.81779	(87110124)
TRS :	3000.00	230.00	29.76251	(87110124)	TRS :	3500.00	230.00	25.19009	(87110124)
TRS :	4000.00	230.00	21.65313	(87110124)	TRS :	4500.00	230.00	18.85788	(87110124)
TRS :	5000.00	230.00	16.60719	(87110124)	TRS :	2438.00	240.00	23.16994	(87012115)
TRS :	2500.00	240.00	22.58607	(87012115)	TRS :	3000.00	240.00	18.60873	(87012115)
TRS :	3500.00	240.00	15.63169	(87012115)	TRS :	4000.00	240.00	13.34786	(87012115)
TRS :	4500.00	240.00	11.55649	(87012115)	TRS :	5000.00	240.00	10.12385	(87012115)
TRS :	2896.00	250.00	26.14014	(87121321)	TRS :	3000.00	250.00	25.47964	(87121321)
TRS :	3500.00	250.00	22.61282	(87121321)	TRS :	4000.00	250.00	20.20625	(87121321)
TRS :	4500.00	250.00	18.18119	(87121321)	TRS :	5000.00	250.00	16.46594	(87121321)
TRS :	3048.00	260.00	39.68387	(87120803)	TRS :	3500.00	260.00	35.09341	(87120803)
TRS :	4000.00	260.00	30.83574	(87120803)	TRS :	4500.00	260.00	27.32079	(87120803)
TRS :	5000.00	260.00	24.40539	(87120803)	TRS :	3658.00	270.00	29.10400c	(87091209)
TRS :	4000.00	270.00	26.42797c	(87091209)	TRS :	4500.00	270.00	23.66363	(87122324)
TRS :	5000.00	270.00	21.54202	(87122324)	TRS :	3962.00	280.00	21.84362	(87032921)
TRS :	4000.00	280.00	21.55752	(87032921)	TRS :	4500.00	280.00	18.32074	(87051109)
TRS :	5000.00	280.00	16.34933c	(87031806)	TRS :	4572.00	290.00	20.21524	(87060121)
TRS :	5000.00	290.00	18.33968c	(87082103)	TRS :	5182.00	300.00	24.25722c	(87010321)
TRS :	4801.00	310.00	17.81349	(87081306)	TRS :	5000.00	310.00	17.76929	(87081306)
TRS :	4875.00	320.00	30.38926	(87121421)	TRS :	5000.00	320.00	29.96657	(87121421)
TRS :	6000.00	330.00	16.35486	(87080921)	TRS :	5500.00	340.00	22.11047c	(87122524)
TRS :	5250.00	350.00	26.62944	(87022821)	TRS :	5125.00	360.00	19.32244c	(87042724)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	52.59399	(87061301)	TRS :	4500.00	20.00	57.20158	(87080124)
TRS :	5000.00	20.00	51.59551	(87080124)	TRS :	2500.00	30.00	88.98535	(87060203)
TRS :	3000.00	30.00	78.29988	(87060203)	TRS :	3500.00	30.00	69.70692	(87060203)
TRS :	4000.00	30.00	62.67056	(87060203)	TRS :	4500.00	30.00	56.81322	(87060203)
TRS :	5000.00	30.00	51.86767	(87060203)	TRS :	2500.00	40.00	80.07239	(87011512)
TRS :	3000.00	40.00	67.22856	(87011512)	TRS :	3500.00	40.00	58.05007	(87011512)
TRS :	4000.00	40.00	51.16913	(87011512)	TRS :	4500.00	40.00	45.81439	(87011512)
TRS :	5000.00	40.00	41.52401	(87011512)	TRS :	1500.00	50.00	85.03226	(87093015)
TRS :	2000.00	50.00	62.18073	(87093015)	TRS :	2500.00	50.00	47.46791	(87093015)
TRS :	3000.00	50.00	38.54266	(87121517)	TRS :	3500.00	50.00	32.15839	(87121517)
TRS :	4000.00	50.00	28.89954	(87080505)	TRS :	4500.00	50.00	26.56108	(87080505)
TRS :	5000.00	50.00	24.65677	(87011820)	TRS :	1500.00	60.00	84.49454	(87022718)
TRS :	2000.00	60.00	69.37323	(87022718)	TRS :	2500.00	60.00	58.61249	(87011614)
TRS :	3000.00	60.00	49.86500	(87011614)	TRS :	3500.00	60.00	42.75998	(87011614)
TRS :	4000.00	60.00	37.03986	(87011614)	TRS :	4500.00	60.00	32.41119	(87011614)
TRS :	5000.00	60.00	28.62858	(87011614)	TRS :	1500.00	70.00	103.43136	(87062308)
TRS :	2000.00	70.00	81.64943	(87112817)	TRS :	2500.00	70.00	76.12856	(87112817)
TRS :	3000.00	70.00	68.87257	(87112817)	TRS :	3500.00	70.00	62.09535	(87112817)
TRS :	4000.00	70.00	56.24208	(87112817)	TRS :	4500.00	70.00	51.28586	(87112817)
TRS :	5000.00	70.00	47.09195	(87112817)	TRS :	838.00	80.00	224.45888	(87082320)
TRS :	1100.00	80.00	180.47168	(87080108)	TRS :	1500.00	80.00	150.89093	(87052019)
TRS :	2000.00	80.00	112.65524	(87052019)	TRS :	2500.00	80.00	89.69709	(87010821)
TRS :	3000.00	80.00	75.86654	(87021503)	TRS :	3500.00	80.00	68.93169	(87021503)
TRS :	4000.00	80.00	61.32092	(87021503)	TRS :	4500.00	80.00	54.59676	(87062421)
TRS :	5000.00	80.00	51.07362	(87062421)	TRS :	686.00	90.00	260.67090	(87071220)
TRS :	1100.00	90.00	194.75252	(87081120)	TRS :	1500.00	90.00	141.00470	(87020318)
TRS :	2000.00	90.00	104.44630	(87020318)	TRS :	2500.00	90.00	110.91812	(87082903)
TRS :	3000.00	90.00	99.12526	(87082903)	TRS :	3500.00	90.00	83.56876	(87082903)
TRS :	4000.00	90.00	69.38098	(87082903)	TRS :	4500.00	90.00	57.65300	(87082903)
TRS :	5000.00	90.00	48.24914	(87082903)	TRS :	533.00	100.00	270.69940	(87071307)
TRS :	700.00	100.00	235.63454	(87071319)	TRS :	1100.00	100.00	187.52686	(87110921)
TRS :	1500.00	100.00	147.59146	(87072724)	TRS :	2000.00	100.00	98.27377	(87092323)
TRS :	2500.00	100.00	89.36637	(87092323)	TRS :	3000.00	100.00	80.12232	(87071123)
TRS :	3500.00	100.00	69.50376	(87071123)	TRS :	4000.00	100.00	58.54715	(87071123)
TRS :	4500.00	100.00	48.99252	(87071123)	TRS :	5000.00	100.00	44.54010	(87120102)
TRS :	457.00	110.00	291.29285	(87061715)	TRS :	700.00	110.00	263.39725	(87080719)
TRS :	1100.00	110.00	174.18565	(87112815)	TRS :	1500.00	110.00	159.07487	(87042109)
TRS :	2000.00	110.00	109.69015	(87090624)	TRS :	2500.00	110.00	110.26457	(87090624)
TRS :	3000.00	110.00	90.00013	(87090624)	TRS :	3500.00	110.00	69.14679	(87090624)
TRS :	4000.00	110.00	59.27864	(87050102)	TRS :	4500.00	110.00	55.39857	(87050102)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	50.88340	(87050102)	TRS :	457.00	120.00	279.71512	(87081818)
TRS :	700.00	120.00	257.68719	(87073018)	TRS :	1100.00	120.00	186.12378	(87080819)
TRS :	1500.00	120.00	143.99680	(87080719)	TRS :	2000.00	120.00	121.91606	(87050104)
TRS :	2500.00	120.00	105.44244	(87040704)	TRS :	3000.00	120.00	88.32243	(87040704)
TRS :	3500.00	120.00	68.95531	(87040704)	TRS :	4000.00	120.00	57.89603	(87100304)
TRS :	4500.00	120.00	54.58952	(87100304)	TRS :	5000.00	120.00	51.62974	(87111122)
TRS :	457.00	130.00	273.06467	(87072118)	TRS :	700.00	130.00	244.20644	(87042918)
TRS :	1100.00	130.00	175.21404	(87081319)	TRS :	1500.00	130.00	134.80644	(87010305)
TRS :	2000.00	130.00	103.94267	(87070624)	TRS :	2500.00	130.00	85.37991	(87120104)
TRS :	3000.00	130.00	75.15067	(87011208)	TRS :	3500.00	130.00	68.53240	(87011208)
TRS :	4000.00	130.00	62.17925	(87011208)	TRS :	4500.00	130.00	56.51437	(87011208)
TRS :	5000.00	130.00	51.58727	(87011208)	TRS :	457.00	140.00	248.82916	(87032217)
TRS :	700.00	140.00	226.90941	(87080919)	TRS :	1100.00	140.00	181.50188	(87081719)
TRS :	1500.00	140.00	138.60989	(87092424)	TRS :	2000.00	140.00	124.31051	(87081304)
TRS :	2500.00	140.00	94.13237	(87081303)	TRS :	3000.00	140.00	94.18277	(87081303)
TRS :	3500.00	140.00	85.03375	(87081303)	TRS :	4000.00	140.00	73.70186	(87081303)
TRS :	4500.00	140.00	62.96361	(87081303)	TRS :	5000.00	140.00	53.65519	(87081303)
TRS :	457.00	150.00	279.51074	(87071619)	TRS :	700.00	150.00	237.88860	(87100218)
TRS :	1100.00	150.00	177.66579	(87032217)	TRS :	1500.00	150.00	130.28282	(87011711)
TRS :	2000.00	150.00	112.60912	(87121908)	TRS :	2500.00	150.00	81.67664	(87081004)
TRS :	3000.00	150.00	76.76768	(87081004)	TRS :	3500.00	150.00	66.85523	(87081004)
TRS :	4000.00	150.00	60.18370	(87081722)	TRS :	4500.00	150.00	55.49651	(87081722)
TRS :	5000.00	150.00	50.55671	(87081722)	TRS :	488.00	160.00	233.11877	(87052117)
TRS :	700.00	160.00	198.76964	(87010809)	TRS :	1100.00	160.00	175.38448	(87071619)
TRS :	1500.00	160.00	125.95164	(87010302)	TRS :	2000.00	160.00	98.50340	(87102106)
TRS :	2500.00	160.00	102.28030	(87102106)	TRS :	3000.00	160.00	91.68053	(87102106)
TRS :	3500.00	160.00	78.11263	(87102106)	TRS :	4000.00	160.00	65.57141	(87102106)
TRS :	4500.00	160.00	55.02284	(87102106)	TRS :	5000.00	160.00	46.42893	(87102106)
TRS :	533.00	170.00	233.73059	(87072517)	TRS :	700.00	170.00	204.04276	(87062808)
TRS :	1100.00	170.00	147.05130	(87111901)	TRS :	1500.00	170.00	140.25064	(87090705)
TRS :	2000.00	170.00	112.07297	(87041823)	TRS :	2500.00	170.00	102.63343	(87041823)
TRS :	3000.00	170.00	86.54265	(87041823)	TRS :	3500.00	170.00	71.42609	(87041823)
TRS :	4000.00	170.00	59.69681	(87092106)	TRS :	4500.00	170.00	53.18592	(87092106)
TRS :	5000.00	170.00	47.37920	(87092106)	TRS :	610.00	180.00	241.29967	(87082519)
TRS :	700.00	180.00	224.33826	(87082519)	TRS :	1100.00	180.00	165.58560	(87062019)
TRS :	1500.00	180.00	140.80299	(87090706)	TRS :	2000.00	180.00	100.76575	(87090706)
TRS :	2500.00	180.00	78.29091	(87111505)	TRS :	3000.00	180.00	63.30659	(87052302)
TRS :	3500.00	180.00	60.68628	(87052302)	TRS :	4000.00	180.00	56.95298	(87052302)
TRS :	4500.00	180.00	52.95189	(87052302)	TRS :	5000.00	180.00	49.05954	(87052302)
TRS :	750.00	190.00	224.42921	(87050606)	TRS :	1100.00	190.00	169.08510	(87060523)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID		DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID		DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS	:	1500.00	190.00	142.12233	(87060523)	TRS	:	2000.00	190.00	118.67103	(87090704)
TRS	:	2500.00	190.00	103.47288	(87090704)	TRS	:	3000.00	190.00	88.81190	(87090704)
TRS	:	3500.00	190.00	76.40211	(87090704)	TRS	:	4000.00	190.00	66.23232	(87090704)
TRS	:	4500.00	190.00	57.93153	(87090704)	TRS	:	5000.00	190.00	53.00745	(87103105)
TRS	:	1829.00	200.00	168.52234	(87121308)	TRS	:	2000.00	200.00	158.43594	(87121308)
TRS	:	2500.00	200.00	134.58449	(87121308)	TRS	:	3000.00	200.00	116.91264	(87121308)
TRS	:	3500.00	200.00	103.38607	(87121308)	TRS	:	4000.00	200.00	92.72692	(87121308)
TRS	:	4500.00	200.00	84.11967	(87121308)	TRS	:	5000.00	200.00	77.02644	(87121308)
TRS	:	1829.00	210.00	120.35513	(87112507)	TRS	:	2000.00	210.00	113.75417	(87112507)
TRS	:	2500.00	210.00	97.88723	(87112507)	TRS	:	3000.00	210.00	85.71606	(87112507)
TRS	:	3500.00	210.00	76.06714	(87112507)	TRS	:	4000.00	210.00	68.22344	(87112507)
TRS	:	4500.00	210.00	61.72097	(87112507)	TRS	:	5000.00	210.00	56.24473	(87112507)
TRS	:	1981.00	220.00	69.20233	(87032805)	TRS	:	2000.00	220.00	68.66855	(87032805)
TRS	:	2500.00	220.00	56.53875	(87032805)	TRS	:	3000.00	220.00	48.17731	(87022410)
TRS	:	3500.00	220.00	42.14423	(87022410)	TRS	:	4000.00	220.00	37.48832	(87022410)
TRS	:	4500.00	220.00	33.78463	(87022410)	TRS	:	5000.00	220.00	30.76611	(87022410)
TRS	:	2134.00	230.00	64.47595	(87020614)	TRS	:	2500.00	230.00	55.90331	(87020614)
TRS	:	3000.00	230.00	46.76590	(87020614)	TRS	:	3500.00	230.00	39.78037	(87020614)
TRS	:	4000.00	230.00	34.32618	(87020614)	TRS	:	4500.00	230.00	29.98458	(87020614)
TRS	:	5000.00	230.00	26.66398	(87052607)	TRS	:	2438.00	240.00	58.39083	(87072507)
TRS	:	2500.00	240.00	57.09256	(87072507)	TRS	:	3000.00	240.00	47.98579	(87072507)
TRS	:	3500.00	240.00	40.89114	(87072507)	TRS	:	4000.00	240.00	35.29921	(87072507)
TRS	:	4500.00	240.00	30.82665	(87072507)	TRS	:	5000.00	240.00	27.19685	(87072507)
TRS	:	2896.00	250.00	48.40503	(87062221)	TRS	:	3000.00	250.00	47.70707	(87062221)
TRS	:	3500.00	250.00	44.24302	(87062221)	TRS	:	4000.00	250.00	40.86018	(87062221)
TRS	:	4500.00	250.00	37.72189	(87062221)	TRS	:	5000.00	250.00	34.87457	(87110824)
TRS	:	3048.00	260.00	73.33167	(87051324)	TRS	:	3500.00	260.00	65.90928	(87041403)
TRS	:	4000.00	260.00	58.31813	(87041403)	TRS	:	4500.00	260.00	52.11995	(87072202)
TRS	:	5000.00	260.00	48.65643	(87072202)	TRS	:	3658.00	270.00	72.27943	(87082905)
TRS	:	4000.00	270.00	64.13329	(87102022)	TRS	:	4500.00	270.00	62.24153	(87102022)
TRS	:	5000.00	270.00	59.46882	(87102022)	TRS	:	3962.00	280.00	59.42540	(87031805)
TRS	:	4000.00	280.00	59.06767	(87031805)	TRS	:	4500.00	280.00	54.07710	(87031805)
TRS	:	5000.00	280.00	49.04799	(87031805)	TRS	:	4572.00	290.00	59.68436	(87122521)
TRS	:	5000.00	290.00	55.01904	(87082102)	TRS	:	5182.00	300.00	49.33305	(87091521)
TRS	:	4801.00	310.00	53.44047	(87081305)	TRS	:	5000.00	310.00	53.30786	(87081305)
TRS	:	4875.00	320.00	45.03241	(87060324)	TRS	:	5000.00	320.00	43.22099	(87060324)
TRS	:	6000.00	330.00	38.35882	(87042722)	TRS	:	5500.00	340.00	59.07331	(87083006)
TRS	:	5250.00	350.00	61.47595	(87083001)	TRS	:	5125.00	360.00	57.96732	(87042723)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

OUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
L 1ST HIGHEST VALUE IS	7.16714 AT (	395.77, -228.50, 0.00, 0.00)	DP	NA
2ND HIGHEST VALUE IS	7.13596 AT (	429.44, -156.30, 0.00, 0.00)	DP	NA
3RD HIGHEST VALUE IS	6.53024 AT (	350.08, -293.75, 0.00, 0.00)	DP	NA
4TH HIGHEST VALUE IS	6.43942 AT (	524.90, -92.55, 0.00, 0.00)	DP	NA
5TH HIGHEST VALUE IS	5.54199 AT (	293.75, -350.08, 0.00, 0.00)	DP	NA
6TH HIGHEST VALUE IS	5.08623 AT (	228.50, -395.77, 0.00, 0.00)	DP	NA
7TH HIGHEST VALUE IS	4.99393 AT (	657.78, -239.41, 0.00, 0.00)	DP	NA
8TH HIGHEST VALUE IS	4.96213 AT (	606.22, -350.00, 0.00, 0.00)	DP	NA
9TH HIGHEST VALUE IS	4.93414 AT (	536.23, -449.95, 0.00, 0.00)	DP	NA
10TH HIGHEST VALUE IS	4.84643 AT (	686.00, 0.00, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
HIGH 1ST HIGH VALUE IS	78.81228c	ON 87011324:	AT (429.44, -156.30, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	149.89279c	ON 87081008: AT (350.08, -293.75, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL HIGH 1ST HIGH VALUE IS	209.52223	ON 87093021:	AT (524.90, -92.55, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
L	HIGH 1ST HIGH VALUE IS 291.29285	ON 87061715:	AT (429.44, -156.30, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** Message Summary : ISCST3 Model Execution ***

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

Total of 0 Fatal Error Message(s)
Total of 1 Warning Message(s)
A Total of 2099 Informational Message(s)

Total of 2099 Calm Hours Identified

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

******** WARNING MESSAGES ********
SO W320 27 PPARM :Input Parameter May Be Out-of-Range for Parameter QS

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

```
CO STARTING
CO TITLEONE 1988 GEORGIA-PACIFIC BLEACH PLANT SCRUBBER STACK          12/11/98
   TITLETWO MAXIMUM FUTURE CO EMISSION RATE
   MODELOPT DFAULT CONC RURAL NOCMPL
CO AVERTIME  PERIOD  24 8 3 1
CO POLLUTID CO
   DCAYCOEF    .000000
CO RUNORNOT RUN
CO FINISHED


SO STARTING

   Source Location Cards:
**          SRCID SRCTYP        XS            YS            ZS
** TRS INCINERATOR STACK IS ORIGIN ONLY
   BLEACH PLANT BYPASS STACK
SO LOCATION   BLCHSCRB POINT       109.3         141.5           .0
SO LOCATION   TRS      POINT         0.0           0.0           .0

   Source Parameter Cards:
** POINT:   SRCID       QS        HS         TS          VS         DS
** VOLUME:  SRCID       QS        HS       SYINIT      SZINIT
   AREA:    SRCID       QS        HS        XINIT

SO SRCPARAM   BLCHSCRB    8.0         36.0       338.7        9.30        1.22
   SRCPARAM   TRS         0.00        76.2       533.2       32.03        0.94


   BUILDHGT BLCHSCRB        25.76  25.76  25.76  18.95  21.64  21.64
   BUILDHGT BLCHSCRB        21.64  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  18.95  21.64  21.49
   BUILDHGT BLCHSCRB        22.25  25.76  25.76  25.76  25.76  25.76
SO BUILDHGT BLCHSCRB        25.76  25.76  25.76  25.76  25.76  25.76
SO BUILDWID BLCHSCRB       102.55 103.66 101.63  29.38  36.02  35.44
   BUILDWID BLCHSCRB        37.92 100.84 103.51 103.03  99.42  92.78
   BUILDWID BLCHSCRB        83.33  71.35  68.68  81.13  91.11  98.33
SO BUILDWID BLCHSCRB       102.55 103.66 101.63  29.38 178.89  97.90
   BUILDWID BLCHSCRB        90.32 100.84 103.51 103.03  99.42  92.78
   BUILDWID BLCHSCRB        83.33  71.35  68.68  81.13  91.11  98.33


   EMISUNIT    .100000E+07 (GRAMS/SEC)          (MICROGRAMS/CUBIC-METER)
SO SRCGROUP  ALL
SO FINISHED

   STARTING
** RECEPTOR ORIGIN IS TRS INCINERATOR STACK
   DISCPOLR TRS    5000.00      10.00
   DISCPOLR TRS    4500.00      20.00
RE DISCPOLR TRS    5000.00      20.00
RE DISCPOLR TRS    2500.00      30.00
   DISCPOLR TRS    3000.00      30.00
   DISCPOLR TRS    3500.00      30.00
RE DISCPOLR TRS    4000.00      30.00
   DISCPOLR TRS    4500.00      30.00
   DISCPOLR TRS    5000.00      30.00
RE DISCPOLR TRS    2500.00      40.00
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[redacted]	DISCPOLR TRS	3000.00	40.00
RE	DISCPOLR TRS	3500.00	40.00
RE	DISCPOLR TRS	4000.00	40.00
[redacted]	DISCPOLR TRS	4500.00	40.00
[redacted]	DISCPOLR TRS	5000.00	40.00
RE	DISCPOLR TRS	1500.00	50.00
[redacted]	DISCPOLR TRS	2000.00	50.00
[redacted]	DISCPOLR TRS	2500.00	50.00
RE	DISCPOLR TRS	3000.00	50.00
RE	DISCPOLR TRS	3500.00	50.00
[redacted]	DISCPOLR TRS	4000.00	50.00
RE	DISCPOLR TRS	4500.00	50.00
RE	DISCPOLR TRS	5000.00	50.00
[redacted]	DISCPOLR TRS	1500.00	60.00
[redacted]	DISCPOLR TRS	2000.00	60.00
RE	DISCPOLR TRS	2500.00	60.00
RE	DISCPOLR TRS	3000.00	60.00
[redacted]	DISCPOLR TRS	3500.00	60.00
RE	DISCPOLR TRS	4000.00	60.00
RE	DISCPOLR TRS	4500.00	60.00
[redacted]	DISCPOLR TRS	5000.00	60.00
[redacted]	DISCPOLR TRS	1500.00	70.00
RE	DISCPOLR TRS	2000.00	70.00
[redacted]	DISCPOLR TRS	2500.00	70.00
[redacted]	DISCPOLR TRS	3000.00	70.00
RE	DISCPOLR TRS	3500.00	70.00
RE	DISCPOLR TRS	4000.00	70.00
[redacted]	DISCPOLR TRS	4500.00	70.00
RE	DISCPOLR TRS	5000.00	70.00
RE	DISCPOLR TRS	838.00	80.00
[redacted]	DISCPOLR TRS	1100.00	80.00
[redacted]	DISCPOLR TRS	1500.00	80.00
RE	DISCPOLR TRS	2000.00	80.00
[redacted]	DISCPOLR TRS	2500.00	80.00
[redacted]	DISCPOLR TRS	3000.00	80.00
RE	DISCPOLR TRS	3500.00	80.00
RE	DISCPOLR TRS	4000.00	80.00
[redacted]	DISCPOLR TRS	4500.00	80.00
RE	DISCPOLR TRS	5000.00	80.00
RE	DISCPOLR TRS	686.00	90.00
[redacted]	DISCPOLR TRS	1100.00	90.00
[redacted]	DISCPOLR TRS	1500.00	90.00
RE	DISCPOLR TRS	2000.00	90.00
[redacted]	DISCPOLR TRS	2500.00	90.00
[redacted]	DISCPOLR TRS	3000.00	90.00
RE	DISCPOLR TRS	3500.00	90.00
RE	DISCPOLR TRS	4000.00	90.00
[redacted]	DISCPOLR TRS	4500.00	90.00
[redacted]	DISCPOLR TRS	5000.00	90.00
RE	DISCPOLR TRS	533.00	100.00
[redacted]	DISCPOLR TRS	700.00	100.00
[redacted]	DISCPOLR TRS	1100.00	100.00
RE	DISCPOLR TRS	1500.00	100.00
[redacted]	DISCPOLR TRS	2000.00	100.00
[redacted]	DISCPOLR TRS	2500.00	100.00
RE	DISCPOLR TRS	3000.00	100.00
RE	DISCPOLR TRS	3500.00	100.00
[redacted]	DISCPOLR TRS	4000.00	100.00
[redacted]	DISCPOLR TRS	4500.00	100.00
RE	DISCPOLR TRS	5000.00	100.00

[redacted]

[redacted]	DISCPOLR TRS	457.00	110.00
[redacted]	DISCPOLR TRS	700.00	110.00
RE	DISCPOLR TRS	1100.00	110.00
[redacted]	DISCPOLR TRS	1500.00	110.00
[redacted]	DISCPOLR TRS	2000.00	110.00
RE	DISCPOLR TRS	2500.00	110.00
RE	DISCPOLR TRS	3000.00	110.00
[redacted]	DISCPOLR TRS	3500.00	110.00
RE	DISCPOLR TRS	4000.00	110.00
RE	DISCPOLR TRS	4500.00	110.00
[redacted]	DISCPOLR TRS	5000.00	110.00
[redacted]	DISCPOLR TRS	457.00	120.00
RE	DISCPOLR TRS	700.00	120.00
[redacted]	DISCPOLR TRS	1100.00	120.00
[redacted]	DISCPOLR TRS	1500.00	120.00
RE	DISCPOLR TRS	2000.00	120.00
RE	DISCPOLR TRS	2500.00	120.00
[redacted]	DISCPOLR TRS	3000.00	120.00
RE	DISCPOLR TRS	3500.00	120.00
RE	DISCPOLR TRS	4000.00	120.00
[redacted]	DISCPOLR TRS	4500.00	120.00
[redacted]	DISCPOLR TRS	5000.00	120.00
RE	DISCPOLR TRS	457.00	130.00
RE	DISCPOLR TRS	700.00	130.00
[redacted]	DISCPOLR TRS	1100.00	130.00
RE	DISCPOLR TRS	1500.00	130.00
RE	DISCPOLR TRS	2000.00	130.00
[redacted]	DISCPOLR TRS	2500.00	130.00
[redacted]	DISCPOLR TRS	3000.00	130.00
RE	DISCPOLR TRS	3500.00	130.00
[redacted]	DISCPOLR TRS	4000.00	130.00
[redacted]	DISCPOLR TRS	4500.00	130.00
RE	DISCPOLR TRS	5000.00	130.00
RE	DISCPOLR TRS	457.00	140.00
[redacted]	DISCPOLR TRS	700.00	140.00
RE	DISCPOLR TRS	1100.00	140.00
RE	DISCPOLR TRS	1500.00	140.00
[redacted]	DISCPOLR TRS	2000.00	140.00
[redacted]	DISCPOLR TRS	2500.00	140.00
RE	DISCPOLR TRS	3000.00	140.00
RE	DISCPOLR TRS	3500.00	140.00
[redacted]	DISCPOLR TRS	4000.00	140.00
RE	DISCPOLR TRS	4500.00	140.00
RE	DISCPOLR TRS	5000.00	140.00
[redacted]	DISCPOLR TRS	457.00	150.00
RE	DISCPOLR TRS	700.00	150.00
RE	DISCPOLR TRS	1100.00	150.00
[redacted]	DISCPOLR TRS	1500.00	150.00
[redacted]	DISCPOLR TRS	2000.00	150.00
RE	DISCPOLR TRS	2500.00	150.00
RE	DISCPOLR TRS	3000.00	150.00
[redacted]	DISCPOLR TRS	3500.00	150.00
RE	DISCPOLR TRS	4000.00	150.00
RE	DISCPOLR TRS	4500.00	150.00
[redacted]	DISCPOLR TRS	5000.00	150.00
[redacted]	DISCPOLR TRS	488.00	160.00
RE	DISCPOLR TRS	700.00	160.00
[redacted]	DISCPOLR TRS	1100.00	160.00
[redacted]	DISCPOLR TRS	1500.00	160.00
RE	DISCPOLR TRS	2000.00	160.00

[redacted]

[redacted]	DISCPOLR TRS	2500.00	160.00
[redacted]	DISCPOLR TRS	3000.00	160.00
RE	DISCPOLR TRS	3500.00	160.00
[redacted]	DISCPOLR TRS	4000.00	160.00
[redacted]	DISCPOLR TRS	4500.00	160.00
RE	DISCPOLR TRS	5000.00	160.00
[redacted]	DISCPOLR TRS	533.00	170.00
[redacted]	DISCPOLR TRS	700.00	170.00
[redacted]	DISCPOLR TRS	1100.00	170.00
RE	DISCPOLR TRS	1500.00	170.00
[redacted]	DISCPOLR TRS	2000.00	170.00
[redacted]	DISCPOLR TRS	2500.00	170.00
RE	DISCPOLR TRS	3000.00	170.00
[redacted]	DISCPOLR TRS	3500.00	170.00
[redacted]	DISCPOLR TRS	4000.00	170.00
RE	DISCPOLR TRS	4500.00	170.00
[redacted]	DISCPOLR TRS	5000.00	170.00
[redacted]	DISCPOLR TRS	610.00	180.00
[redacted]	DISCPOLR TRS	700.00	180.00
RE	DISCPOLR TRS	1100.00	180.00
[redacted]	DISCPOLR TRS	1500.00	180.00
[redacted]	DISCPOLR TRS	2000.00	180.00
RE	DISCPOLR TRS	2500.00	180.00
[redacted]	DISCPOLR TRS	3000.00	180.00
[redacted]	DISCPOLR TRS	3500.00	180.00
[redacted]	DISCPOLR TRS	4000.00	180.00
[redacted]	DISCPOLR TRS	4500.00	180.00
[redacted]	DISCPOLR TRS	5000.00	180.00
[redacted]	DISCPOLR TRS	750.00	190.00
RE	DISCPOLR TRS	1100.00	190.00
[redacted]	DISCPOLR TRS	1500.00	190.00
[redacted]	DISCPOLR TRS	2000.00	190.00
RE	DISCPOLR TRS	2500.00	190.00
[redacted]	DISCPOLR TRS	3000.00	190.00
[redacted]	DISCPOLR TRS	3500.00	190.00
[redacted]	DISCPOLR TRS	4000.00	190.00
[redacted]	DISCPOLR TRS	4500.00	190.00
[redacted]	DISCPOLR TRS	5000.00	190.00
[redacted]	DISCPOLR TRS	1829.00	200.00
RE	DISCPOLR TRS	2000.00	200.00
[redacted]	DISCPOLR TRS	2500.00	200.00
[redacted]	DISCPOLR TRS	3000.00	200.00
RE	DISCPOLR TRS	3500.00	200.00
[redacted]	DISCPOLR TRS	4000.00	200.00
[redacted]	DISCPOLR TRS	4500.00	200.00
[redacted]	DISCPOLR TRS	5000.00	200.00
RE	DISCPOLR TRS	1829.00	210.00
[redacted]	DISCPOLR TRS	2000.00	210.00
[redacted]	DISCPOLR TRS	2500.00	210.00
RE	DISCPOLR TRS	3000.00	210.00
[redacted]	DISCPOLR TRS	3500.00	210.00
[redacted]	DISCPOLR TRS	4000.00	210.00
[redacted]	DISCPOLR TRS	4500.00	210.00
[redacted]	DISCPOLR TRS	5000.00	210.00
[redacted]	DISCPOLR TRS	1981.00	220.00
[redacted]	DISCPOLR TRS	2000.00	220.00
RE	DISCPOLR TRS	2500.00	220.00
[redacted]	DISCPOLR TRS	3000.00	220.00
[redacted]	DISCPOLR TRS	3500.00	220.00
RE	DISCPOLR TRS	4000.00	220.00

[redacted]

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   DISCPOLR TRS    4500.00     220.00
RE DISCPOLR TRS    5000.00     220.00
RE DISCPOLR TRS    2134.00     230.00
   DISCPOLR TRS    2500.00     230.00
   DISCPOLR TRS    3000.00     230.00
RE DISCPOLR TRS    3500.00     230.00
RE DISCPOLR TRS    4000.00     230.00
   DISCPOLR TRS    4500.00     230.00
RE DISCPOLR TRS    5000.00     230.00
RE DISCPOLR TRS    2438.00     240.00
   DISCPOLR TRS    2500.00     240.00
   DISCPOLR TRS    3000.00     240.00
RE DISCPOLR TRS    3500.00     240.00
   DISCPOLR TRS    4000.00     240.00
   DISCPOLR TRS    4500.00     240.00
RE DISCPOLR TRS    5000.00     240.00
RE DISCPOLR TRS    2896.00     250.00
   DISCPOLR TRS    3000.00     250.00
RE DISCPOLR TRS    3500.00     250.00
RE DISCPOLR TRS    4000.00     250.00
   DISCPOLR TRS    4500.00     250.00
   DISCPOLR TRS    5000.00     250.00
RE DISCPOLR TRS    3048.00     260.00
   DISCPOLR TRS    3500.00     260.00
   DISCPOLR TRS    4000.00     260.00
RE DISCPOLR TRS    4500.00     260.00
RE DISCPOLR TRS    5000.00     260.00
   DISCPOLR TRS    3658.00     270.00
RE DISCPOLR TRS    4000.00     270.00
RE DISCPOLR TRS    4500.00     270.00
   DISCPOLR TRS    5000.00     270.00
   DISCPOLR TRS    3962.00     280.00
RE DISCPOLR TRS    4000.00     280.00
RE DISCPOLR TRS    4500.00     280.00
   DISCPOLR TRS    5000.00     280.00
RE DISCPOLR TRS    4572.00     290.00
RE DISCPOLR TRS    5000.00     290.00
   DISCPOLR TRS    5182.00     300.00
   DISCPOLR TRS    4801.00     310.00
RE DISCPOLR TRS    5000.00     310.00
   DISCPOLR TRS    4875.00     320.00
   DISCPOLR TRS    5000.00     320.00
RE DISCPOLR TRS    6000.00     330.00
RE DISCPOLR TRS    5500.00     340.00
   DISCPOLR TRS    5250.00     350.00
RE DISCPOLR TRS    5125.00     360.00
RE FINISHED


ME STARTING
   INPUTFIL S:\MET\GNSPRL88.BIN                    UNFORM
   ANEMHGHT    22.00 FEET
ME SURFDATA  12816  1988            JACKSONVILLE
ME UAIRDATA  13861  1988            WAYCROSS
   WINDCATS    1.50    3.10    5.10    8.20   10.80
ME FINISHED


   STARTING
OU RECTABLE ALLAVE FIRST

```

FINISHED

** Message Summary For ISC3 Model Setup ***

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

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

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

******** WARNING MESSAGES ********
W320 27 PPARM :Input Parameter May Be Out-of-Range for Parameter QS

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

*** MODEL SETUP OPTIONS SUMMARY ***

- -

**Simple Terrain Model 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 4 Short Term Average(s) of: 24-HR 8-HR 3-HR 1-HR
and Calculates PERIOD Averages

**This Run Includes: 2 Source(s); 1 Source Group(s); and 236 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 PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE 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) = 6.71 ; Decay Coef. = 0.0000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/SEC) ; Emission Rate Unit Factor = 0.10000E+07
Output Units = (MICROGRAMS/CUBIC-METER)

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

**Input Runstream File: COCL2.I88
**Output Print File: COCL2.O88

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
BLCHSCRB	0	0.80000E+01	109.3	141.5	0.0	36.00	338.70	9.30	1.22	YES	
TRS	0	0.00000E+00	0.0	0.0	0.0	76.20	533.20	32.03	0.94	NO	

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	BLCHSCRB, TRS ,

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: BLCHSCRB

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	25.8,	102.6,	0	2	25.8,	103.7,	0	3	25.8,	101.6,	0	4	19.0,	29.4,	0	5	21.6,	36.0,	0	6	21.6,	35.4,	0
7	21.6,	37.9,	0	8	25.8,	100.8,	0	9	25.8,	103.5,	0	10	25.8,	103.0,	0	11	25.8,	99.4,	0	12	25.8,	92.8,	0
13	25.8,	83.3,	0	14	25.8,	71.3,	0	15	25.8,	68.7,	0	16	25.8,	81.1,	0	17	25.8,	91.1,	0	18	25.8,	98.3,	0
19	25.8,	102.6,	0	20	25.8,	103.7,	0	21	25.8,	101.6,	0	22	19.0,	29.4,	0	23	21.6,	178.9,	0	24	21.5,	97.9,	0
25	22.3,	90.3,	0	26	25.8,	100.8,	0	27	25.8,	103.5,	0	28	25.8,	103.0,	0	29	25.8,	99.4,	0	30	25.8,	92.8,	0
31	25.8,	83.3,	0	32	25.8,	71.3,	0	33	25.8,	68.7,	0	34	25.8,	81.1,	0	35	25.8,	91.1,	0	36	25.8,	98.3,	0

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	5000.0,	10.0,	0.0,	0.0);	TRS	: (	4500.0,	20.0,	0.0,	0.0);
TRS	: (	5000.0,	20.0,	0.0,	0.0);	TRS	: (	2500.0,	30.0,	0.0,	0.0);
TRS	: (	3000.0,	30.0,	0.0,	0.0);	TRS	: (	3500.0,	30.0,	0.0,	0.0);
TRS	: (	4000.0,	30.0,	0.0,	0.0);	TRS	: (	4500.0,	30.0,	0.0,	0.0);
TRS	: (	5000.0,	30.0,	0.0,	0.0);	TRS	: (	2500.0,	40.0,	0.0,	0.0);
TRS	: (	3000.0,	40.0,	0.0,	0.0);	TRS	: (	3500.0,	40.0,	0.0,	0.0);
TRS	: (	4000.0,	40.0,	0.0,	0.0);	TRS	: (	4500.0,	40.0,	0.0,	0.0);
TRS	: (	5000.0,	40.0,	0.0,	0.0);	TRS	: (	1500.0,	50.0,	0.0,	0.0);
TRS	: (	2000.0,	50.0,	0.0,	0.0);	TRS	: (	2500.0,	50.0,	0.0,	0.0);
TRS	: (	3000.0,	50.0,	0.0,	0.0);	TRS	: (	3500.0,	50.0,	0.0,	0.0);
TRS	: (	4000.0,	50.0,	0.0,	0.0);	TRS	: (	4500.0,	50.0,	0.0,	0.0);
TRS	: (	5000.0,	50.0,	0.0,	0.0);	TRS	: (	1500.0,	60.0,	0.0,	0.0);
TRS	: (	2000.0,	60.0,	0.0,	0.0);	TRS	: (	2500.0,	60.0,	0.0,	0.0);
TRS	: (	3000.0,	60.0,	0.0,	0.0);	TRS	: (	3500.0,	60.0,	0.0,	0.0);
TRS	: (	4000.0,	60.0,	0.0,	0.0);	TRS	: (	4500.0,	60.0,	0.0,	0.0);
TRS	: (	5000.0,	60.0,	0.0,	0.0);	TRS	: (	1500.0,	70.0,	0.0,	0.0);
TRS	: (	2000.0,	70.0,	0.0,	0.0);	TRS	: (	2500.0,	70.0,	0.0,	0.0);
TRS	: (	3000.0,	70.0,	0.0,	0.0);	TRS	: (	3500.0,	70.0,	0.0,	0.0);
TRS	: (	4000.0,	70.0,	0.0,	0.0);	TRS	: (	4500.0,	70.0,	0.0,	0.0);
TRS	: (	5000.0,	70.0,	0.0,	0.0);	TRS	: (	838.0,	80.0,	0.0,	0.0);
TRS	: (	1100.0,	80.0,	0.0,	0.0);	TRS	: (	1500.0,	80.0,	0.0,	0.0);
TRS	: (	2000.0,	80.0,	0.0,	0.0);	TRS	: (	2500.0,	80.0,	0.0,	0.0);
TRS	: (	3000.0,	80.0,	0.0,	0.0);	TRS	: (	3500.0,	80.0,	0.0,	0.0);
TRS	: (	4000.0,	80.0,	0.0,	0.0);	TRS	: (	4500.0,	80.0,	0.0,	0.0);
TRS	: (	5000.0,	80.0,	0.0,	0.0);	TRS	: (	686.0,	90.0,	0.0,	0.0);
TRS	: (	1100.0,	90.0,	0.0,	0.0);	TRS	: (	1500.0,	90.0,	0.0,	0.0);
TRS	: (	2000.0,	90.0,	0.0,	0.0);	TRS	: (	2500.0,	90.0,	0.0,	0.0);
TRS	: (	3000.0,	90.0,	0.0,	0.0);	TRS	: (	3500.0,	90.0,	0.0,	0.0);
TRS	: (	4000.0,	90.0,	0.0,	0.0);	TRS	: (	4500.0,	90.0,	0.0,	0.0);
TRS	: (	5000.0,	90.0,	0.0,	0.0);	TRS	: (	533.0,	100.0,	0.0,	0.0);
TRS	: (	700.0,	100.0,	0.0,	0.0);	TRS	: (	1100.0,	100.0,	0.0,	0.0);
TRS	: (	1500.0,	100.0,	0.0,	0.0);	TRS	: (	2000.0,	100.0,	0.0,	0.0);
TRS	: (	2500.0,	100.0,	0.0,	0.0);	TRS	: (	3000.0,	100.0,	0.0,	0.0);
TRS	: (	3500.0,	100.0,	0.0,	0.0);	TRS	: (	4000.0,	100.0,	0.0,	0.0);
TRS	: (	4500.0,	100.0,	0.0,	0.0);	TRS	: (	5000.0,	100.0,	0.0,	0.0);
TRS	: (	457.0,	110.0,	0.0,	0.0);	TRS	: (	700.0,	110.0,	0.0,	0.0);
TRS	: (	1100.0,	110.0,	0.0,	0.0);	TRS	: (	1500.0,	110.0,	0.0,	0.0);
TRS	: (	2000.0,	110.0,	0.0,	0.0);	TRS	: (	2500.0,	110.0,	0.0,	0.0);
TRS	: (	3000.0,	110.0,	0.0,	0.0);	TRS	: (	3500.0,	110.0,	0.0,	0.0);
TRS	: (	4000.0,	110.0,	0.0,	0.0);	TRS	: (	4500.0,	110.0,	0.0,	0.0);
TRS	: (	5000.0,	110.0,	0.0,	0.0);	TRS	: (	457.0,	120.0,	0.0,	0.0);
TRS	: (	700.0,	120.0,	0.0,	0.0);	TRS	: (	1100.0,	120.0,	0.0,	0.0);
TRS	: (	1500.0,	120.0,	0.0,	0.0);	TRS	: (	2000.0,	120.0,	0.0,	0.0);
TRS	: (	2500.0,	120.0,	0.0,	0.0);	TRS	: (	3000.0,	120.0,	0.0,	0.0);
TRS	: (	3500.0,	120.0,	0.0,	0.0);	TRS	: (	4000.0,	120.0,	0.0,	0.0);

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	4500.0,	120.0,	0.0,	0.0);	TRS	: (	5000.0,	120.0,	0.0,	0.0);
TRS	: (	457.0,	130.0,	0.0,	0.0);	TRS	: (	700.0,	130.0,	0.0,	0.0);
TRS	: (	1100.0,	130.0,	0.0,	0.0);	TRS	: (	1500.0,	130.0,	0.0,	0.0);
TRS	: (	2000.0,	130.0,	0.0,	0.0);	TRS	: (	2500.0,	130.0,	0.0,	0.0);
TRS	: (	3000.0,	130.0,	0.0,	0.0);	TRS	: (	3500.0,	130.0,	0.0,	0.0);
TRS	: (	4000.0,	130.0,	0.0,	0.0);	TRS	: (	4500.0,	130.0,	0.0,	0.0);
TRS	: (	5000.0,	130.0,	0.0,	0.0);	TRS	: (	457.0,	140.0,	0.0,	0.0);
TRS	: (	700.0,	140.0,	0.0,	0.0);	TRS	: (	1100.0,	140.0,	0.0,	0.0);
TRS	: (	1500.0,	140.0,	0.0,	0.0);	TRS	: (	2000.0,	140.0,	0.0,	0.0);
TRS	: (	2500.0,	140.0,	0.0,	0.0);	TRS	: (	3000.0,	140.0,	0.0,	0.0);
TRS	: (	3500.0,	140.0,	0.0,	0.0);	TRS	: (	4000.0,	140.0,	0.0,	0.0);
TRS	: (	4500.0,	140.0,	0.0,	0.0);	TRS	: (	5000.0,	140.0,	0.0,	0.0);
TRS	: (	457.0,	150.0,	0.0,	0.0);	TRS	: (	700.0,	150.0,	0.0,	0.0);
TRS	: (	1100.0,	150.0,	0.0,	0.0);	TRS	: (	1500.0,	150.0,	0.0,	0.0);
TRS	: (	2000.0,	150.0,	0.0,	0.0);	TRS	: (	2500.0,	150.0,	0.0,	0.0);
TRS	: (	3000.0,	150.0,	0.0,	0.0);	TRS	: (	3500.0,	150.0,	0.0,	0.0);
TRS	: (	4000.0,	150.0,	0.0,	0.0);	TRS	: (	4500.0,	150.0,	0.0,	0.0);
TRS	: (	5000.0,	150.0,	0.0,	0.0);	TRS	: (	488.0,	160.0,	0.0,	0.0);
TRS	: (	700.0,	160.0,	0.0,	0.0);	TRS	: (	1100.0,	160.0,	0.0,	0.0);
TRS	: (	1500.0,	160.0,	0.0,	0.0);	TRS	: (	2000.0,	160.0,	0.0,	0.0);
TRS	: (	2500.0,	160.0,	0.0,	0.0);	TRS	: (	3000.0,	160.0,	0.0,	0.0);
TRS	: (	3500.0,	160.0,	0.0,	0.0);	TRS	: (	4000.0,	160.0,	0.0,	0.0);
TRS	: (	4500.0,	160.0,	0.0,	0.0);	TRS	: (	5000.0,	160.0,	0.0,	0.0);
TRS	: (	533.0,	170.0,	0.0,	0.0);	TRS	: (	700.0,	170.0,	0.0,	0.0);
TRS	: (	1100.0,	170.0,	0.0,	0.0);	TRS	: (	1500.0,	170.0,	0.0,	0.0);
TRS	: (	2000.0,	170.0,	0.0,	0.0);	TRS	: (	2500.0,	170.0,	0.0,	0.0);
TRS	: (	3000.0,	170.0,	0.0,	0.0);	TRS	: (	3500.0,	170.0,	0.0,	0.0);
TRS	: (	4000.0,	170.0,	0.0,	0.0);	TRS	: (	4500.0,	170.0,	0.0,	0.0);
TRS	: (	5000.0,	170.0,	0.0,	0.0);	TRS	: (	610.0,	180.0,	0.0,	0.0);
TRS	: (	700.0,	180.0,	0.0,	0.0);	TRS	: (	1100.0,	180.0,	0.0,	0.0);
TRS	: (	1500.0,	180.0,	0.0,	0.0);	TRS	: (	2000.0,	180.0,	0.0,	0.0);
TRS	: (	2500.0,	180.0,	0.0,	0.0);	TRS	: (	3000.0,	180.0,	0.0,	0.0);
TRS	: (	3500.0,	180.0,	0.0,	0.0);	TRS	: (	4000.0,	180.0,	0.0,	0.0);
TRS	: (	4500.0,	180.0,	0.0,	0.0);	TRS	: (	5000.0,	180.0,	0.0,	0.0);
TRS	: (	750.0,	190.0,	0.0,	0.0);	TRS	: (	1100.0,	190.0,	0.0,	0.0);
TRS	: (	1500.0,	190.0,	0.0,	0.0);	TRS	: (	2000.0,	190.0,	0.0,	0.0);
TRS	: (	2500.0,	190.0,	0.0,	0.0);	TRS	: (	3000.0,	190.0,	0.0,	0.0);
TRS	: (	3500.0,	190.0,	0.0,	0.0);	TRS	: (	4000.0,	190.0,	0.0,	0.0);
TRS	: (	4500.0,	190.0,	0.0,	0.0);	TRS	: (	5000.0,	190.0,	0.0,	0.0);
TRS	: (	1829.0,	200.0,	0.0,	0.0);	TRS	: (	2000.0,	200.0,	0.0,	0.0);
TRS	: (	2500.0,	200.0,	0.0,	0.0);	TRS	: (	3000.0,	200.0,	0.0,	0.0);
TRS	: (	3500.0,	200.0,	0.0,	0.0);	TRS	: (	4000.0,	200.0,	0.0,	0.0);
TRS	: (	4500.0,	200.0,	0.0,	0.0);	TRS	: (	5000.0,	200.0,	0.0,	0.0);
TRS	: (	1829.0,	210.0,	0.0,	0.0);	TRS	: (	2000.0,	210.0,	0.0,	0.0);
TRS	: (	2500.0,	210.0,	0.0,	0.0);	TRS	: (	3000.0,	210.0,	0.0,	0.0);

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS)

TRS	: (	3500.0,	210.0,	0.0,	0.0);	TRS	: (	4000.0,	210.0,	0.0,	0.0);
TRS	: (	4500.0,	210.0,	0.0,	0.0);	TRS	: (	5000.0,	210.0,	0.0,	0.0);
TRS	: (	1981.0,	220.0,	0.0,	0.0);	TRS	: (	2000.0,	220.0,	0.0,	0.0);
TRS	: (	2500.0,	220.0,	0.0,	0.0);	TRS	: (	3000.0,	220.0,	0.0,	0.0);
TRS	: (	3500.0,	220.0,	0.0,	0.0);	TRS	: (	4000.0,	220.0,	0.0,	0.0);
TRS	: (	4500.0,	220.0,	0.0,	0.0);	TRS	: (	5000.0,	220.0,	0.0,	0.0);
TRS	: (	2134.0,	230.0,	0.0,	0.0);	TRS	: (	2500.0,	230.0,	0.0,	0.0);
TRS	: (	3000.0,	230.0,	0.0,	0.0);	TRS	: (	3500.0,	230.0,	0.0,	0.0);
TRS	: (	4000.0,	230.0,	0.0,	0.0);	TRS	: (	4500.0,	230.0,	0.0,	0.0);
TRS	: (	5000.0,	230.0,	0.0,	0.0);	TRS	: (	2438.0,	240.0,	0.0,	0.0);
TRS	: (	2500.0,	240.0,	0.0,	0.0);	TRS	: (	3000.0,	240.0,	0.0,	0.0);
TRS	: (	3500.0,	240.0,	0.0,	0.0);	TRS	: (	4000.0,	240.0,	0.0,	0.0);
TRS	: (	4500.0,	240.0,	0.0,	0.0);	TRS	: (	5000.0,	240.0,	0.0,	0.0);
TRS	: (	2896.0,	250.0,	0.0,	0.0);	TRS	: (	3000.0,	250.0,	0.0,	0.0);
TRS	: (	3500.0,	250.0,	0.0,	0.0);	TRS	: (	4000.0,	250.0,	0.0,	0.0);
TRS	: (	4500.0,	250.0,	0.0,	0.0);	TRS	: (	5000.0,	250.0,	0.0,	0.0);
TRS	: (	3048.0,	260.0,	0.0,	0.0);	TRS	: (	3500.0,	260.0,	0.0,	0.0);
TRS	: (	4000.0,	260.0,	0.0,	0.0);	TRS	: (	4500.0,	260.0,	0.0,	0.0);
TRS	: (	5000.0,	260.0,	0.0,	0.0);	TRS	: (	3658.0,	270.0,	0.0,	0.0);
TRS	: (	4000.0,	270.0,	0.0,	0.0);	TRS	: (	4500.0,	270.0,	0.0,	0.0);
TRS	: (	5000.0,	270.0,	0.0,	0.0);	TRS	: (	3962.0,	280.0,	0.0,	0.0);
TRS	: (	4000.0,	280.0,	0.0,	0.0);	TRS	: (	4500.0,	280.0,	0.0,	0.0);
TRS	: (	5000.0,	280.0,	0.0,	0.0);	TRS	: (	4572.0,	290.0,	0.0,	0.0);
TRS	: (	5000.0,	290.0,	0.0,	0.0);	TRS	: (	5182.0,	300.0,	0.0,	0.0);
TRS	: (	4801.0,	310.0,	0.0,	0.0);	TRS	: (	5000.0,	310.0,	0.0,	0.0);
TRS	: (	4875.0,	320.0,	0.0,	0.0);	TRS	: (	5000.0,	320.0,	0.0,	0.0);
TRS	: (	6000.0,	330.0,	0.0,	0.0);	TRS	: (	5500.0,	340.0,	0.0,	0.0);
TRS	: (	5250.0,	350.0,	0.0,	0.0);	TRS	: (	5125.0,	360.0,	0.0,	0.0);

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

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1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

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

1.50, 3.10, 5.10, 8.20, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

FILE: S:\MET\GNSPRL88.BIN
FORMAT: UNFORM
SURFACE STATION NO.: 12816 UPPER AIR STATION NO.: 13861
NAME: JACKSONVILLE NAME: WAYCROSS
YEAR: 1988 YEAR: 1988

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-O (M)	IPCODE	PRATE (mm/HR)
88	1	1	1	321.0	3.09	285.9	6	989.1	128.0	0.0000	0.0	0.0000	0	0.00
88	1	1	2	278.0	2.57	284.8	6	1002.6	128.0	0.0000	0.0	0.0000	0	0.00
88	1	1	3	284.0	1.00	284.3	7	1016.1	128.0	0.0000	0.0	0.0000	0	0.00
88	1	1	4	283.0	1.00	282.6	7	1029.7	128.0	0.0000	0.0	0.0000	0	0.00
88	1	1	5	283.0	1.00	282.0	7	1043.2	128.0	0.0000	0.0	0.0000	0	0.00
88	1	1	6	282.0	1.00	281.5	7	1056.7	128.0	0.0000	0.0	0.0000	0	0.00
88	1	1	7	285.0	1.00	282.6	7	1070.3	128.0	0.0000	0.0	0.0000	0	0.00
88	1	1	8	283.0	1.00	282.6	6	92.8	210.6	0.0000	0.0	0.0000	0	0.00
88	1	1	9	277.0	1.00	285.4	5	271.5	369.6	0.0000	0.0	0.0000	0	0.00
88	1	1	10	341.0	3.09	288.7	4	450.2	528.7	0.0000	0.0	0.0000	0	0.00
88	1	1	11	344.0	2.57	292.0	3	628.9	687.8	0.0000	0.0	0.0000	0	0.00
88	1	1	12	316.0	5.14	294.3	3	807.6	846.9	0.0000	0.0	0.0000	0	0.00
88	1	1	13	343.0	3.60	294.8	2	986.3	1005.9	0.0000	0.0	0.0000	0	0.00
88	1	1	14	9.0	3.60	295.9	3	1165.0	1165.0	0.0000	0.0	0.0000	0	0.00
88	1	1	15	42.0	2.57	296.5	3	1165.0	1165.0	0.0000	0.0	0.0000	0	0.00
88	1	1	16	334.0	2.57	296.5	3	1165.0	1165.0	0.0000	0.0	0.0000	0	0.00
88	1	1	17	301.0	2.57	295.4	4	1165.0	1165.0	0.0000	0.0	0.0000	0	0.00
88	1	1	18	137.0	1.54	292.6	5	1143.9	1125.6	0.0000	0.0	0.0000	0	0.00
88	1	1	19	144.0	1.00	290.4	6	1090.5	1025.6	0.0000	0.0	0.0000	0	0.00
88	1	1	20	137.0	1.00	288.7	6	1037.1	925.7	0.0000	0.0	0.0000	0	0.00
88	1	1	21	140.0	1.00	287.6	7	983.7	825.8	0.0000	0.0	0.0000	0	0.00
88	1	1	22	142.0	1.00	286.5	7	930.3	725.9	0.0000	0.0	0.0000	0	0.00
88	1	1	23	140.0	1.00	286.5	7	876.9	625.9	0.0000	0.0	0.0000	0	0.00
88	1	1	24	140.0	1.00	285.9	7	823.6	526.0	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 NOCMPL

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS :	5000.00	10.00	0.18133	TRS :	4500.00	20.00	0.21179
TRS :	5000.00	20.00	0.18103	TRS :	2500.00	30.00	0.53117
TRS :	3000.00	30.00	0.40722	TRS :	3500.00	30.00	0.32539
TRS :	4000.00	30.00	0.26786	TRS :	4500.00	30.00	0.22554
TRS :	5000.00	30.00	0.19333	TRS :	2500.00	40.00	0.43700
TRS :	3000.00	40.00	0.34016	TRS :	3500.00	40.00	0.27499
TRS :	4000.00	40.00	0.22848	TRS :	4500.00	40.00	0.19393
TRS :	5000.00	40.00	0.16742	TRS :	1500.00	50.00	0.88285
TRS :	2000.00	50.00	0.59045	TRS :	2500.00	50.00	0.43202
TRS :	3000.00	50.00	0.33473	TRS :	3500.00	50.00	0.26961
TRS :	4000.00	50.00	0.22348	TRS :	4500.00	50.00	0.18937
TRS :	5000.00	50.00	0.16325	TRS :	1500.00	60.00	1.16861
TRS :	2000.00	60.00	0.78445	TRS :	2500.00	60.00	0.57563
TRS :	3000.00	60.00	0.44718	TRS :	3500.00	60.00	0.36101
TRS :	4000.00	60.00	0.29984	TRS :	4500.00	60.00	0.25450
TRS :	5000.00	60.00	0.21972	TRS :	1500.00	70.00	1.36742
TRS :	2000.00	70.00	0.91859	TRS :	2500.00	70.00	0.67720
TRS :	3000.00	70.00	0.52893	TRS :	3500.00	70.00	0.42933
TRS :	4000.00	70.00	0.35839	TRS :	4500.00	70.00	0.30561
TRS :	5000.00	70.00	0.26493	TRS :	838.00	80.00	4.36783
TRS :	1100.00	80.00	3.19192	TRS :	1500.00	80.00	2.01201
TRS :	2000.00	80.00	1.27365	TRS :	2500.00	80.00	0.90165
TRS :	3000.00	80.00	0.68568	TRS :	3500.00	80.00	0.54678
TRS :	4000.00	80.00	0.45059	TRS :	4500.00	80.00	0.38034
TRS :	5000.00	80.00	0.32703	TRS :	686.00	90.00	4.58953
TRS :	1100.00	90.00	2.77523	TRS :	1500.00	90.00	1.97236
TRS :	2000.00	90.00	1.36939	TRS :	2500.00	90.00	1.02059
TRS :	3000.00	90.00	0.80377	TRS :	3500.00	90.00	0.65830
TRS :	4000.00	90.00	0.55432	TRS :	4500.00	90.00	0.47640
TRS :	5000.00	90.00	0.41597	TRS :	533.00	100.00	7.78206
TRS :	700.00	100.00	5.15738	TRS :	1100.00	100.00	2.92672
TRS :	1500.00	100.00	1.89655	TRS :	2000.00	100.00	1.23098
TRS :	2500.00	100.00	0.88865	TRS :	3000.00	100.00	0.68880
TRS :	3500.00	100.00	0.55953	TRS :	4000.00	100.00	0.46911
TRS :	4500.00	100.00	0.40228	TRS :	5000.00	100.00	0.35089
TRS :	457.00	110.00	7.49086	TRS :	700.00	110.00	6.29031
TRS :	1100.00	110.00	3.73617	TRS :	1500.00	110.00	2.44067
TRS :	2000.00	110.00	1.57583	TRS :	2500.00	110.00	1.12916
TRS :	3000.00	110.00	0.86509	TRS :	3500.00	110.00	0.69402
TRS :	4000.00	110.00	0.57557	TRS :	4500.00	110.00	0.48931

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TRS	5000.00	110.00	0.42397	TRS	457.00	120.00	5.45361
TRS	700.00	120.00	4.77225	TRS	1100.00	120.00	3.89660
TRS	1500.00	120.00	2.90447	TRS	2000.00	120.00	2.08812
TRS	2500.00	120.00	1.58123	TRS	3000.00	120.00	1.25195
TRS	3500.00	120.00	1.02678	TRS	4000.00	120.00	0.86518
TRS	4500.00	120.00	0.74431	TRS	5000.00	120.00	0.65085
TRS	457.00	130.00	5.01939	TRS	700.00	130.00	3.62041
TRS	1100.00	130.00	2.72208	TRS	1500.00	130.00	2.04595
TRS	2000.00	130.00	1.50645	TRS	2500.00	130.00	1.21056
TRS	3000.00	130.00	1.01569	TRS	3500.00	130.00	0.87222
TRS	4000.00	130.00	0.76074	TRS	4500.00	130.00	0.67152
TRS	5000.00	130.00	0.59867	TRS	457.00	140.00	4.94568
TRS	700.00	140.00	3.53134	TRS	1100.00	140.00	2.25755
TRS	1500.00	140.00	1.59437	TRS	2000.00	140.00	1.13638
TRS	2500.00	140.00	0.87451	TRS	3000.00	140.00	0.70666
TRS	3500.00	140.00	0.59037	TRS	4000.00	140.00	0.50525
TRS	4500.00	140.00	0.44029	TRS	5000.00	140.00	0.38912
TRS	457.00	150.00	4.87878	TRS	700.00	150.00	3.54443
TRS	1100.00	150.00	2.34785	TRS	1500.00	150.00	1.74029
TRS	2000.00	150.00	1.22171	TRS	2500.00	150.00	0.89823
TRS	3000.00	150.00	0.69658	TRS	3500.00	150.00	0.56351
TRS	4000.00	150.00	0.47039	TRS	4500.00	150.00	0.40196
TRS	5000.00	150.00	0.34969	TRS	488.00	160.00	4.35135
TRS	700.00	160.00	3.38694	TRS	1100.00	160.00	2.35660
TRS	1500.00	160.00	1.74982	TRS	2000.00	160.00	1.28069
TRS	2500.00	160.00	0.98768	TRS	3000.00	160.00	0.79395
TRS	3500.00	160.00	0.65811	TRS	4000.00	160.00	0.55826
TRS	4500.00	160.00	0.48206	TRS	5000.00	160.00	0.42222
TRS	533.00	170.00	3.81883	TRS	700.00	170.00	3.14908
TRS	1100.00	170.00	2.12426	TRS	1500.00	170.00	1.57460
TRS	2000.00	170.00	1.16585	TRS	2500.00	170.00	0.90890
TRS	3000.00	170.00	0.73703	TRS	3500.00	170.00	0.61541
TRS	4000.00	170.00	0.52541	TRS	4500.00	170.00	0.45639
TRS	5000.00	170.00	0.40193	TRS	610.00	180.00	2.99951
TRS	700.00	180.00	2.81052	TRS	1100.00	180.00	2.02377
TRS	1500.00	180.00	1.49178	TRS	2000.00	180.00	1.09274
TRS	2500.00	180.00	0.84578	TRS	3000.00	180.00	0.68131
TRS	3500.00	180.00	0.56481	TRS	4000.00	180.00	0.47864
TRS	4500.00	180.00	0.41273	TRS	5000.00	180.00	0.36095
TRS	750.00	190.00	2.26801	TRS	1100.00	190.00	1.58259

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID		DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID		DIST (M)	DIR (DEG)	CONC
TRS	:	1500.00	190.00	1.14373	TRS	:	2000.00	190.00	0.82645
TRS	:	2500.00	190.00	0.63382	TRS	:	3000.00	190.00	0.50753
TRS	:	3500.00	190.00	0.41900	TRS	:	4000.00	190.00	0.35400
TRS	:	4500.00	190.00	0.30456	TRS	:	5000.00	190.00	0.26588
TRS	:	1829.00	200.00	1.00310	TRS	:	2000.00	200.00	0.90098
TRS	:	2500.00	200.00	0.68492	TRS	:	3000.00	200.00	0.54544
TRS	:	3500.00	200.00	0.44862	TRS	:	4000.00	200.00	0.37804
TRS	:	4500.00	200.00	0.32462	TRS	:	5000.00	200.00	0.28300
TRS	:	1829.00	210.00	1.23629	TRS	:	2000.00	210.00	1.12075
TRS	:	2500.00	210.00	0.86909	TRS	:	3000.00	210.00	0.70107
TRS	:	3500.00	210.00	0.58176	TRS	:	4000.00	210.00	0.49334
TRS	:	4500.00	210.00	0.42559	TRS	:	5000.00	210.00	0.37229
TRS	:	1981.00	220.00	0.73795	TRS	:	2000.00	220.00	0.73067
TRS	:	2500.00	220.00	0.57646	TRS	:	3000.00	220.00	0.47202
TRS	:	3500.00	220.00	0.39671	TRS	:	4000.00	220.00	0.34036
TRS	:	4500.00	220.00	0.29679	TRS	:	5000.00	220.00	0.26217
TRS	:	2134.00	230.00	0.64327	TRS	:	2500.00	230.00	0.54231
TRS	:	3000.00	230.00	0.44284	TRS	:	3500.00	230.00	0.37137
TRS	:	4000.00	230.00	0.31794	TRS	:	4500.00	230.00	0.27660
TRS	:	5000.00	230.00	0.24379	TRS	:	2438.00	240.00	0.57114
TRS	:	2500.00	240.00	0.55611	TRS	:	3000.00	240.00	0.45633
TRS	:	3500.00	240.00	0.38424	TRS	:	4000.00	240.00	0.33010
TRS	:	4500.00	240.00	0.28806	TRS	:	5000.00	240.00	0.25457
TRS	:	2896.00	250.00	0.53757	TRS	:	3000.00	250.00	0.51642
TRS	:	3500.00	250.00	0.43243	TRS	:	4000.00	250.00	0.36986
TRS	:	4500.00	250.00	0.32152	TRS	:	5000.00	250.00	0.28327
TRS	:	3048.00	260.00	0.81198	TRS	:	3500.00	260.00	0.70012
TRS	:	4000.00	260.00	0.60262	TRS	:	4500.00	260.00	0.52541
TRS	:	5000.00	260.00	0.46322	TRS	:	3658.00	270.00	0.91470
TRS	:	4000.00	270.00	0.82348	TRS	:	4500.00	270.00	0.71437
TRS	:	5000.00	270.00	0.62711	TRS	:	3962.00	280.00	0.87968
TRS	:	4000.00	280.00	0.86859	TRS	:	4500.00	280.00	0.74202
TRS	:	5000.00	280.00	0.64378	TRS	:	4572.00	290.00	0.74263
TRS	:	5000.00	290.00	0.65865	TRS	:	5182.00	300.00	0.64089
TRS	:	4801.00	310.00	0.55671	TRS	:	5000.00	310.00	0.52452
TRS	:	4875.00	320.00	0.37674	TRS	:	5000.00	320.00	0.36303
TRS	:	6000.00	330.00	0.22879	TRS	:	5500.00	340.00	0.17628
TRS	:	5250.00	350.00	0.22052	TRS	:	5125.00	360.00	0.26809

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	3.35755c	(88082224)	TRS :	4500.00	20.00	3.53883c	(88072324)
TRS :	5000.00	20.00	3.12569c	(88072324)	TRS :	2500.00	30.00	8.73051c	(88041924)
TRS :	3000.00	30.00	6.81210c	(88041924)	TRS :	3500.00	30.00	5.50863c	(88041924)
TRS :	4000.00	30.00	4.57152c	(88041924)	TRS :	4500.00	30.00	3.87088c	(88041924)
TRS :	5000.00	30.00	3.33120c	(88041924)	TRS :	2500.00	40.00	5.60896c	(88052424)
TRS :	3000.00	40.00	4.73392c	(88052424)	TRS :	3500.00	40.00	4.06760c	(88052424)
TRS :	4000.00	40.00	3.54279c	(88052424)	TRS :	4500.00	40.00	3.12517c	(88052424)
TRS :	5000.00	40.00	2.78517c	(88052424)	TRS :	1500.00	50.00	15.15576c	(88052324)
TRS :	2000.00	50.00	11.10819c	(88052324)	TRS :	2500.00	50.00	8.61640c	(88052324)
TRS :	3000.00	50.00	6.95694c	(88052324)	TRS :	3500.00	50.00	5.77437c	(88052324)
TRS :	4000.00	50.00	4.89887c	(88052324)	TRS :	4500.00	50.00	4.22835c	(88052324)
TRS :	5000.00	50.00	3.70051c	(88052324)	TRS :	1500.00	60.00	17.56818c	(88041524)
TRS :	2000.00	60.00	13.10256c	(88041524)	TRS :	2500.00	60.00	10.09396c	(88041524)
TRS :	3000.00	60.00	8.03887c	(88041524)	TRS :	3500.00	60.00	6.57568c	(88041524)
TRS :	4000.00	60.00	5.50008c	(88041524)	TRS :	4500.00	60.00	4.68427c	(88041524)
TRS :	5000.00	60.00	4.04755c	(88041524)	TRS :	1500.00	70.00	12.35472c	(88051824)
TRS :	2000.00	70.00	10.84668c	(88051824)	TRS :	2500.00	70.00	9.07934c	(88051824)
TRS :	3000.00	70.00	7.60538c	(88051824)	TRS :	3500.00	70.00	6.43688c	(88051824)
TRS :	4000.00	70.00	5.51506c	(88051824)	TRS :	4500.00	70.00	4.78102c	(88051824)
TRS :	5000.00	70.00	4.18892c	(88051824)	TRS :	838.00	80.00	49.18334c	(88022924)
TRS :	1100.00	80.00	32.72994c	(88051124)	TRS :	1500.00	80.00	20.99119c	(88051124)
TRS :	2000.00	80.00	13.20530c	(88051124)	TRS :	2500.00	80.00	9.44728	(88042524)
TRS :	3000.00	80.00	7.21788	(88042524)	TRS :	3500.00	80.00	5.72330	(88042524)
TRS :	4000.00	80.00	4.66543	(88042524)	TRS :	4500.00	80.00	3.94922c	(88051124)
TRS :	5000.00	80.00	3.41394c	(88051124)	TRS :	686.00	90.00	33.73722c	(88070124)
TRS :	1100.00	90.00	26.62829c	(88040724)	TRS :	1500.00	90.00	17.99898c	(88070124)
TRS :	2000.00	90.00	15.34026c	(88070124)	TRS :	2500.00	90.00	12.76382c	(88051124)
TRS :	3000.00	90.00	10.51498c	(88051124)	TRS :	3500.00	90.00	8.64067c	(88051124)
TRS :	4000.00	90.00	7.18858c	(88051124)	TRS :	4500.00	90.00	6.07063c	(88051124)
TRS :	5000.00	90.00	5.20041c	(88051124)	TRS :	533.00	100.00	106.51340	(88121724)
TRS :	700.00	100.00	41.70056c	(88051824)	TRS :	1100.00	100.00	26.79212c	(88110624)
TRS :	1500.00	100.00	18.63279c	(88070124)	TRS :	2000.00	100.00	12.39858c	(88020424)
TRS :	2500.00	100.00	9.76033c	(88020424)	TRS :	3000.00	100.00	7.51376c	(88020424)
TRS :	3500.00	100.00	6.08882c	(88041224)	TRS :	4000.00	100.00	5.21580c	(88041224)
TRS :	4500.00	100.00	4.56086c	(88041224)	TRS :	5000.00	100.00	4.04512c	(88041224)
TRS :	457.00	110.00	90.18466	(88112324)	TRS :	700.00	110.00	58.51094	(88112324)
TRS :	1100.00	110.00	57.70446	(88121724)	TRS :	1500.00	110.00	39.09196	(88121724)
TRS :	2000.00	110.00	18.26997	(88121724)	TRS :	2500.00	110.00	11.79657c	(88122424)
TRS :	3000.00	110.00	9.26919c	(88122424)	TRS :	3500.00	110.00	7.52245c	(88122424)
TRS :	4000.00	110.00	6.30507c	(88122424)	TRS :	4500.00	110.00	5.43005c	(88122424)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	4.77754c	(88122424)	TRS :	457.00	120.00	41.48445c	(88012224)
TRS :	700.00	120.00	56.03448	(88112324)	TRS :	1100.00	120.00	53.44291	(88112324)
TRS :	1500.00	120.00	34.87188	(88112324)	TRS :	2000.00	120.00	21.61072c	(88121324)
TRS :	2500.00	120.00	18.30805	(88121724)	TRS :	3000.00	120.00	16.09649	(88121724)
TRS :	3500.00	120.00	13.90037	(88121724)	TRS :	4000.00	120.00	12.07284	(88121724)
TRS :	4500.00	120.00	10.61040	(88121724)	TRS :	5000.00	120.00	9.43995	(88121724)
TRS :	457.00	130.00	54.28892c	(88010424)	TRS :	700.00	130.00	27.87399c	(88101024)
TRS :	1100.00	130.00	24.72904c	(88012224)	TRS :	1500.00	130.00	19.58625	(88112324)
TRS :	2000.00	130.00	16.98697	(88112324)	TRS :	2500.00	130.00	16.08634c	(88120224)
TRS :	3000.00	130.00	15.53427c	(88120224)	TRS :	3500.00	130.00	14.05951c	(88120224)
TRS :	4000.00	130.00	12.39442c	(88120224)	TRS :	4500.00	130.00	10.84135c	(88120224)
TRS :	5000.00	130.00	9.49028c	(88120224)	TRS :	457.00	140.00	44.84327	(88100924)
TRS :	700.00	140.00	36.71844c	(88010424)	TRS :	1100.00	140.00	27.45982c	(88010424)
TRS :	1500.00	140.00	17.28664c	(88010424)	TRS :	2000.00	140.00	11.38620c	(88122524)
TRS :	2500.00	140.00	9.07104c	(88121024)	TRS :	3000.00	140.00	7.47358c	(88121024)
TRS :	3500.00	140.00	6.03770c	(88121024)	TRS :	4000.00	140.00	5.70178c	(88012224)
TRS :	4500.00	140.00	5.37771c	(88012224)	TRS :	5000.00	140.00	5.03143c	(88012224)
TRS :	457.00	150.00	43.31295	(88100724)	TRS :	700.00	150.00	38.48525c	(88010824)
TRS :	1100.00	150.00	24.63835	(88012724)	TRS :	1500.00	150.00	19.25994c	(88012824)
TRS :	2000.00	150.00	12.91629c	(88022124)	TRS :	2500.00	150.00	11.01473c	(88022124)
TRS :	3000.00	150.00	9.30002c	(88022124)	TRS :	3500.00	150.00	7.87602c	(88022124)
TRS :	4000.00	150.00	6.72578c	(88022124)	TRS :	4500.00	150.00	5.79975c	(88022124)
TRS :	5000.00	150.00	5.05007c	(88022124)	TRS :	488.00	160.00	50.29927	(88100924)
TRS :	700.00	160.00	30.08555	(88020824)	TRS :	1100.00	160.00	21.57224	(88100724)
TRS :	1500.00	160.00	16.77335c	(88010824)	TRS :	2000.00	160.00	12.92736c	(88010824)
TRS :	2500.00	160.00	10.18239c	(88010824)	TRS :	3000.00	160.00	8.23383c	(88010824)
TRS :	3500.00	160.00	6.80579c	(88010824)	TRS :	4000.00	160.00	5.72894c	(88010824)
TRS :	4500.00	160.00	4.89811c	(88010824)	TRS :	5000.00	160.00	4.24383c	(88010824)
TRS :	533.00	170.00	42.74447	(88020524)	TRS :	700.00	170.00	39.34484	(88020624)
TRS :	1100.00	170.00	27.75861	(88100724)	TRS :	1500.00	170.00	21.21471	(88100924)
TRS :	2000.00	170.00	14.75176	(88100924)	TRS :	2500.00	170.00	10.97140c	(88012824)
TRS :	3000.00	170.00	8.84539c	(88012824)	TRS :	3500.00	170.00	7.24738c	(88012824)
TRS :	4000.00	170.00	6.03786c	(88012824)	TRS :	4500.00	170.00	5.10843c	(88012824)
TRS :	5000.00	170.00	4.38177c	(88012824)	TRS :	610.00	180.00	35.78253	(88020624)
TRS :	700.00	180.00	32.11079	(88020624)	TRS :	1100.00	180.00	21.25409	(88020524)
TRS :	1500.00	180.00	17.20235	(88020524)	TRS :	2000.00	180.00	13.40344c	(88030624)
TRS :	2500.00	180.00	10.57142c	(88030624)	TRS :	3000.00	180.00	8.54497c	(88030624)
TRS :	3500.00	180.00	7.06034c	(88030624)	TRS :	4000.00	180.00	5.94490c	(88030624)
TRS :	4500.00	180.00	5.08614c	(88030624)	TRS :	5000.00	180.00	4.41068c	(88030624)
TRS :	750.00	190.00	50.83327	(88011024)	TRS :	1100.00	190.00	35.40842	(88011024)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	24.83971	(88011024)	TRS :	2000.00	190.00	17.20034	(88011024)
TRS :	2500.00	190.00	12.67355	(88011024)	TRS :	3000.00	190.00	9.80360	(88011024)
TRS :	3500.00	190.00	7.85153	(88011024)	TRS :	4000.00	190.00	6.45621	(88011024)
TRS :	4500.00	190.00	5.42099	(88011024)	TRS :	5000.00	190.00	4.78914	(88020624)
TRS :	1829.00	200.00	19.65458	(88011024)	TRS :	2000.00	200.00	17.91180	(88011024)
TRS :	2500.00	200.00	13.96575	(88011024)	TRS :	3000.00	200.00	11.25464	(88011024)
TRS :	3500.00	200.00	9.29435	(88011024)	TRS :	4000.00	200.00	7.82745	(88011024)
TRS :	4500.00	200.00	6.69924	(88011024)	TRS :	5000.00	200.00	5.81129	(88011024)
TRS :	1829.00	210.00	12.93031	(88011024)	TRS :	2000.00	210.00	11.63223	(88011024)
TRS :	2500.00	210.00	8.80938	(88011024)	TRS :	3000.00	210.00	6.95342	(88011024)
TRS :	3500.00	210.00	5.99206	(88011524)	TRS :	4000.00	210.00	5.31938	(88011524)
TRS :	4500.00	210.00	4.77318	(88011524)	TRS :	5000.00	210.00	4.32105	(88011524)
TRS :	1981.00	220.00	10.37937c	(88050124)	TRS :	2000.00	220.00	10.27851c	(88050124)
TRS :	2500.00	220.00	8.09415c	(88050124)	TRS :	3000.00	220.00	6.57597c	(88050124)
TRS :	3500.00	220.00	5.46901c	(88050124)	TRS :	4000.00	220.00	4.63417c	(88050124)
TRS :	4500.00	220.00	3.98730c	(88050124)	TRS :	5000.00	220.00	3.47473c	(88050124)
TRS :	2134.00	230.00	10.38393	(88010324)	TRS :	2500.00	230.00	8.88763	(88010324)
TRS :	3000.00	230.00	7.33954	(88010324)	TRS :	3500.00	230.00	6.18239	(88010324)
TRS :	4000.00	230.00	5.29392	(88010324)	TRS :	4500.00	230.00	4.59578	(88010324)
TRS :	5000.00	230.00	4.03625	(88010324)	TRS :	2438.00	240.00	6.98574	(88090724)
TRS :	2500.00	240.00	6.79989	(88090724)	TRS :	3000.00	240.00	5.55324	(88090724)
TRS :	3500.00	240.00	4.63831	(88090724)	TRS :	4000.00	240.00	3.94485	(88090724)
TRS :	4500.00	240.00	3.41665c	(88010224)	TRS :	5000.00	240.00	3.05212c	(88010224)
TRS :	2896.00	250.00	5.69475c	(88050124)	TRS :	3000.00	250.00	5.41528c	(88050124)
TRS :	3500.00	250.00	4.37215	(88093024)	TRS :	4000.00	250.00	3.88271	(88093024)
TRS :	4500.00	250.00	3.48568	(88093024)	TRS :	5000.00	250.00	3.17094c	(88013024)
TRS :	3048.00	260.00	8.60662c	(88080924)	TRS :	3500.00	260.00	7.48113c	(88080924)
TRS :	4000.00	260.00	6.41505c	(88080924)	TRS :	4500.00	260.00	5.53638c	(88080924)
TRS :	5000.00	260.00	4.81714c	(88080924)	TRS :	3658.00	270.00	9.56194	(88091124)
TRS :	4000.00	270.00	9.00360	(88091124)	TRS :	4500.00	270.00	8.26528	(88091124)
TRS :	5000.00	270.00	7.60809	(88091124)	TRS :	3962.00	280.00	10.74918	(88091624)
TRS :	4000.00	280.00	10.63345	(88091624)	TRS :	4500.00	280.00	9.60482c	(88091724)
TRS :	5000.00	280.00	8.70526c	(88091724)	TRS :	4572.00	290.00	7.30424c	(88091524)
TRS :	5000.00	290.00	6.50957c	(88091524)	TRS :	5182.00	300.00	9.05118c	(88123024)
TRS :	4801.00	310.00	7.66859c	(88112624)	TRS :	5000.00	310.00	7.39640c	(88112624)
TRS :	4875.00	320.00	4.09472c	(88061724)	TRS :	5000.00	320.00	4.06979c	(88061724)
TRS :	6000.00	330.00	5.13105c	(88011724)	TRS :	5500.00	340.00	2.75541c	(88072224)
TRS :	5250.00	350.00	4.92646c	(88072224)	TRS :	5125.00	360.00	6.03582c	(88072324)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	8.76566c	(88082208)	TRS :	4500.00	20.00	9.57257c	(88072308)
TRS :	5000.00	20.00	8.46632c	(88072308)	TRS :	2500.00	30.00	22.91758	(88041908)
TRS :	3000.00	30.00	17.88175	(88041908)	TRS :	3500.00	30.00	14.46015	(88041908)
TRS :	4000.00	30.00	12.00023	(88041908)	TRS :	4500.00	30.00	10.16107	(88041908)
TRS :	5000.00	30.00	8.74439	(88041908)	TRS :	2500.00	40.00	14.85237	(88031008)
TRS :	3000.00	40.00	11.90804	(88031008)	TRS :	3500.00	40.00	9.81594	(88031008)
TRS :	4000.00	40.00	8.26422	(88031008)	TRS :	4500.00	40.00	7.07759	(88031008)
TRS :	5000.00	40.00	6.14715	(88031008)	TRS :	1500.00	50.00	30.36922	(88052324)
TRS :	2000.00	50.00	22.65656	(88052324)	TRS :	2500.00	50.00	17.77137	(88052324)
TRS :	3000.00	50.00	14.46336	(88052324)	TRS :	3500.00	50.00	12.07644	(88052324)
TRS :	4000.00	50.00	10.29432	(88052324)	TRS :	4500.00	50.00	8.92037	(88052324)
TRS :	5000.00	50.00	7.83286	(88052324)	TRS :	1500.00	60.00	58.12214c	(88041508)
TRS :	2000.00	60.00	44.66973c	(88041508)	TRS :	2500.00	60.00	34.78650c	(88041508)
TRS :	3000.00	60.00	27.84504c	(88041508)	TRS :	3500.00	60.00	22.84098c	(88041508)
TRS :	4000.00	60.00	19.13811c	(88041508)	TRS :	4500.00	60.00	16.31841c	(88041508)
TRS :	5000.00	60.00	14.11195c	(88041508)	TRS :	1500.00	70.00	22.89122	(88060824)
TRS :	2000.00	70.00	16.98473	(88063016)	TRS :	2500.00	70.00	13.11984	(88063016)
TRS :	3000.00	70.00	10.60179	(88051824)	TRS :	3500.00	70.00	8.96038	(88051824)
TRS :	4000.00	70.00	8.10150	(88061008)	TRS :	4500.00	70.00	7.48721	(88061008)
TRS :	5000.00	70.00	6.93070	(88061008)	TRS :	838.00	80.00	83.07162	(88022924)
TRS :	1100.00	80.00	57.48623c	(88041608)	TRS :	1500.00	80.00	41.40105	(88012624)
TRS :	2000.00	80.00	25.10825	(88060324)	TRS :	2500.00	80.00	18.48288	(88060324)
TRS :	3000.00	80.00	13.91782	(88060324)	TRS :	3500.00	80.00	11.33040	(88050508)
TRS :	4000.00	80.00	9.98678	(88050508)	TRS :	4500.00	80.00	8.91811	(88050508)
TRS :	5000.00	80.00	8.04174	(88050508)	TRS :	686.00	90.00	58.79133	(88082516)
TRS :	1100.00	90.00	61.48000c	(88060308)	TRS :	1500.00	90.00	33.98751c	(88070108)
TRS :	2000.00	90.00	31.08188c	(88070108)	TRS :	2500.00	90.00	25.23502c	(88070108)
TRS :	3000.00	90.00	20.20624c	(88070108)	TRS :	3500.00	90.00	16.97675c	(88041924)
TRS :	4000.00	90.00	14.91131c	(88041924)	TRS :	4500.00	90.00	13.05874c	(88041924)
TRS :	5000.00	90.00	11.46535c	(88041924)	TRS :	533.00	100.00	128.76370c	(88121808)
TRS :	700.00	100.00	95.74863c	(88122424)	TRS :	1100.00	100.00	42.55221	(88030108)
TRS :	1500.00	100.00	30.38157	(88041224)	TRS :	2000.00	100.00	26.33537	(88041224)
TRS :	2500.00	100.00	20.27091	(88041224)	TRS :	3000.00	100.00	18.57104	(88032124)
TRS :	3500.00	100.00	16.38410	(88032124)	TRS :	4000.00	100.00	14.17167	(88032124)
TRS :	4500.00	100.00	12.21719	(88032124)	TRS :	5000.00	100.00	10.57072	(88032124)
TRS :	457.00	110.00	150.50316	(88112324)	TRS :	700.00	110.00	93.54645	(88112816)
TRS :	1100.00	110.00	74.86841c	(88121808)	TRS :	1500.00	110.00	53.77053	(88112824)
TRS :	2000.00	110.00	42.38626c	(88122424)	TRS :	2500.00	110.00	32.77450c	(88122424)
TRS :	3000.00	110.00	24.57537c	(88122424)	TRS :	3500.00	110.00	20.86483c	(88123124)
TRS :	4000.00	110.00	17.67579c	(88123124)	TRS :	4500.00	110.00	14.98332c	(88123124)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	12.80020c	(88123124)	TRS :	457.00	120.00	95.55264c	(88051408)
TRS :	700.00	120.00	98.39056	(88112324)	TRS :	1100.00	120.00	87.87563	(88112324)
TRS :	1500.00	120.00	54.50053	(88022108)	TRS :	2000.00	120.00	35.11155c	(88121624)
TRS :	2500.00	120.00	29.37528c	(88121624)	TRS :	3000.00	120.00	30.28928c	(88040808)
TRS :	3500.00	120.00	27.87137c	(88040808)	TRS :	4000.00	120.00	24.40796c	(88040808)
TRS :	4500.00	120.00	20.97645c	(88040808)	TRS :	5000.00	120.00	17.93957c	(88040808)
TRS :	457.00	130.00	80.52679	(88101008)	TRS :	700.00	130.00	69.40108c	(88122524)
TRS :	1100.00	130.00	50.04646c	(88051408)	TRS :	1500.00	130.00	33.00686	(88112324)
TRS :	2000.00	130.00	31.49826	(88112324)	TRS :	2500.00	130.00	26.82193	(88112324)
TRS :	3000.00	130.00	23.66320	(88120208)	TRS :	3500.00	130.00	22.02855	(88120208)
TRS :	4000.00	130.00	19.85145	(88120208)	TRS :	4500.00	130.00	17.68926	(88120208)
TRS :	5000.00	130.00	15.73871	(88120208)	TRS :	457.00	140.00	98.39699	(88010824)
TRS :	700.00	140.00	66.58317	(88021108)	TRS :	1100.00	140.00	51.10278c	(88030124)
TRS :	1500.00	140.00	31.15513c	(88030124)	TRS :	2000.00	140.00	34.15770c	(88122524)
TRS :	2500.00	140.00	26.50199c	(88122524)	TRS :	3000.00	140.00	19.06868c	(88122524)
TRS :	3500.00	140.00	13.95708c	(88051408)	TRS :	4000.00	140.00	12.40190c	(88091808)
TRS :	4500.00	140.00	11.66209c	(88091808)	TRS :	5000.00	140.00	10.77263c	(88091808)
TRS :	457.00	150.00	89.56011c	(88010424)	TRS :	700.00	150.00	77.92577	(88010824)
TRS :	1100.00	150.00	50.15537	(88010824)	TRS :	1500.00	150.00	37.15162	(88012808)
TRS :	2000.00	150.00	24.48286	(88021108)	TRS :	2500.00	150.00	18.66381	(88021108)
TRS :	3000.00	150.00	14.73461c	(88101924)	TRS :	3500.00	150.00	13.13142c	(88101708)
TRS :	4000.00	150.00	12.63491c	(88101708)	TRS :	4500.00	150.00	11.92838c	(88101708)
TRS :	5000.00	150.00	11.15104c	(88101708)	TRS :	488.00	160.00	83.35080	(88101308)
TRS :	700.00	160.00	64.37783	(88100908)	TRS :	1100.00	160.00	49.45474c	(88010424)
TRS :	1500.00	160.00	43.02466	(88101224)	TRS :	2000.00	160.00	36.03642	(88101224)
TRS :	2500.00	160.00	27.39612	(88101224)	TRS :	3000.00	160.00	21.05596	(88101224)
TRS :	3500.00	160.00	16.90807	(88102208)	TRS :	4000.00	160.00	14.37358	(88102208)
TRS :	4500.00	160.00	12.29351	(88102208)	TRS :	5000.00	160.00	11.50845c	(88102308)
TRS :	533.00	170.00	81.97771c	(88030616)	TRS :	700.00	170.00	60.79946	(88010816)
TRS :	1100.00	170.00	57.89624c	(88092808)	TRS :	1500.00	170.00	37.54571	(88101308)
TRS :	2000.00	170.00	30.17119	(88101308)	TRS :	2500.00	170.00	24.23764	(88101308)
TRS :	3000.00	170.00	19.78363	(88101308)	TRS :	3500.00	170.00	16.46885	(88101308)
TRS :	4000.00	170.00	13.95801	(88101308)	TRS :	4500.00	170.00	12.01321	(88101308)
TRS :	5000.00	170.00	10.48504c	(88111324)	TRS :	610.00	180.00	67.60345c	(88040524)
TRS :	700.00	180.00	68.65850c	(88011208)	TRS :	1100.00	180.00	47.34153c	(88030616)
TRS :	1500.00	180.00	37.45667c	(88030616)	TRS :	2000.00	180.00	27.42341c	(88030616)
TRS :	2500.00	180.00	20.63529c	(88030616)	TRS :	3000.00	180.00	16.10159c	(88030616)
TRS :	3500.00	180.00	13.78727c	(88082308)	TRS :	4000.00	180.00	12.13785c	(88082308)
TRS :	4500.00	180.00	10.70540c	(88082308)	TRS :	5000.00	180.00	9.48605c	(88082308)
TRS :	750.00	190.00	66.80137	(88011008)	TRS :	1100.00	190.00	46.75502	(88011008)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	32.57467	(88011008)	TRS :	2000.00	190.00	26.26183	(88020624)
TRS :	2500.00	190.00	22.38454	(88020624)	TRS :	3000.00	190.00	19.23497	(88020624)
TRS :	3500.00	190.00	16.72609	(88020624)	TRS :	4000.00	190.00	14.70986	(88020624)
TRS :	4500.00	190.00	13.06859	(88020624)	TRS :	5000.00	190.00	11.71422	(88020624)
TRS :	1829.00	200.00	26.97464	(88010908)	TRS :	2000.00	200.00	23.53932	(88010908)
TRS :	2500.00	200.00	18.34057	(88101424)	TRS :	3000.00	200.00	16.16086	(88101424)
TRS :	3500.00	200.00	14.35200	(88101424)	TRS :	4000.00	200.00	12.84794	(88101424)
TRS :	4500.00	200.00	11.58728	(88101424)	TRS :	5000.00	200.00	10.52097	(88101424)
TRS :	1829.00	210.00	24.38062	(88050108)	TRS :	2000.00	210.00	21.97599	(88050108)
TRS :	2500.00	210.00	17.87992c	(88061208)	TRS :	3000.00	210.00	15.95236c	(88061208)
TRS :	3500.00	210.00	14.35719c	(88061208)	TRS :	4000.00	210.00	13.02070c	(88061208)
TRS :	4500.00	210.00	11.88748c	(88061208)	TRS :	5000.00	210.00	10.91622c	(88061208)
TRS :	1981.00	220.00	14.68311	(88061308)	TRS :	2000.00	220.00	14.57161	(88061308)
TRS :	2500.00	220.00	12.13292	(88061308)	TRS :	3000.00	220.00	10.37636	(88061308)
TRS :	3500.00	220.00	9.04600	(88061308)	TRS :	4000.00	220.00	8.01691	(88061308)
TRS :	4500.00	220.00	7.19653	(88061308)	TRS :	5000.00	220.00	6.52618	(88061308)
TRS :	2134.00	230.00	16.65408	(88122908)	TRS :	2500.00	230.00	14.14171	(88122908)
TRS :	3000.00	230.00	11.56929	(88061108)	TRS :	3500.00	230.00	9.69864	(88061108)
TRS :	4000.00	230.00	8.26744	(88061108)	TRS :	4500.00	230.00	7.14655	(88061108)
TRS :	5000.00	230.00	6.47274	(88091308)	TRS :	2438.00	240.00	11.20802c	(88111408)
TRS :	2500.00	240.00	11.01384c	(88111408)	TRS :	3000.00	240.00	9.59547c	(88111408)
TRS :	3500.00	240.00	8.44116c	(88111408)	TRS :	4000.00	240.00	7.50821c	(88111408)
TRS :	4500.00	240.00	6.74553c	(88111408)	TRS :	5000.00	240.00	6.11382c	(88111408)
TRS :	2896.00	250.00	11.43958	(88111808)	TRS :	3000.00	250.00	11.02446	(88111808)
TRS :	3500.00	250.00	9.33018	(88111808)	TRS :	4000.00	250.00	8.02377	(88111808)
TRS :	4500.00	250.00	7.17415	(88060508)	TRS :	5000.00	250.00	6.48979	(88060508)
TRS :	3048.00	260.00	24.60401c	(88011224)	TRS :	3500.00	260.00	20.40911c	(88011224)
TRS :	4000.00	260.00	16.93694c	(88011224)	TRS :	4500.00	260.00	14.31931c	(88011224)
TRS :	5000.00	260.00	12.54102c	(88101624)	TRS :	3658.00	270.00	22.67554c	(88080308)
TRS :	4000.00	270.00	20.79851c	(88080308)	TRS :	4500.00	270.00	18.30760c	(88080308)
TRS :	5000.00	270.00	16.16068c	(88080308)	TRS :	3962.00	280.00	17.99938	(88091624)
TRS :	4000.00	280.00	17.72033	(88091624)	TRS :	4500.00	280.00	14.62163c	(88091708)
TRS :	5000.00	280.00	13.91596c	(88091708)	TRS :	4572.00	290.00	13.64830c	(88102924)
TRS :	5000.00	290.00	13.06644c	(88102924)	TRS :	5182.00	300.00	12.77982	(88123008)
TRS :	4801.00	310.00	15.72265	(88112008)	TRS :	5000.00	310.00	15.13028	(88112008)
TRS :	4875.00	320.00	11.66933c	(88061724)	TRS :	5000.00	320.00	11.61688c	(88061724)
TRS :	6000.00	330.00	15.38457c	(88011724)	TRS :	5500.00	340.00	6.88853	(88072224)
TRS :	5250.00	350.00	11.56674c	(88072408)	TRS :	5125.00	360.00	13.26101c	(88072324)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	17.53133c	(88082203)	TRS :	4500.00	20.00	14.73315c	(88072306)
TRS :	5000.00	20.00	13.21761c	(88072306)	TRS :	2500.00	30.00	30.61501	(88040321)
TRS :	3000.00	30.00	25.48992	(88040321)	TRS :	3500.00	30.00	21.60502	(88040321)
TRS :	4000.00	30.00	18.62279	(88040321)	TRS :	4500.00	30.00	16.27602	(88040321)
TRS :	5000.00	30.00	14.38788	(88040321)	TRS :	2500.00	40.00	39.60632	(88031003)
TRS :	3000.00	40.00	31.75478	(88031003)	TRS :	3500.00	40.00	26.17585	(88031003)
TRS :	4000.00	40.00	22.03791	(88031003)	TRS :	4500.00	40.00	18.87358	(88031003)
TRS :	5000.00	40.00	16.39241	(88031003)	TRS :	1500.00	50.00	54.61851	(88082218)
TRS :	2000.00	50.00	38.00531	(88082218)	TRS :	2500.00	50.00	28.09122	(88082218)
TRS :	3000.00	50.00	21.75746	(88082218)	TRS :	3500.00	50.00	17.44564	(88082218)
TRS :	4000.00	50.00	14.35791	(88082218)	TRS :	4500.00	50.00	12.06275	(88082218)
TRS :	5000.00	50.00	10.31738	(88082509)	TRS :	1500.00	60.00	56.32803	(88041509)
TRS :	2000.00	60.00	42.56470	(88041509)	TRS :	2500.00	60.00	32.70763	(88041509)
TRS :	3000.00	60.00	25.86114	(88041509)	TRS :	3500.00	60.00	20.99357	(88041509)
TRS :	4000.00	60.00	17.41748	(88041509)	TRS :	4500.00	60.00	14.71389	(88041509)
TRS :	5000.00	60.00	12.61873	(88041509)	TRS :	1500.00	70.00	45.57358	(88042518)
TRS :	2000.00	70.00	30.60970	(88042518)	TRS :	2500.00	70.00	21.44330	(88042518)
TRS :	3000.00	70.00	16.47598	(88060818)	TRS :	3500.00	70.00	14.45921	(88061009)
TRS :	4000.00	70.00	13.08961	(88061009)	TRS :	4500.00	70.00	11.93081	(88061009)
TRS :	5000.00	70.00	10.94782	(88061009)	TRS :	838.00	80.00	146.93916	(88070106)
TRS :	1100.00	80.00	99.69566	(88012621)	TRS :	1500.00	80.00	80.42803	(88060324)
TRS :	2000.00	80.00	59.82181	(88060324)	TRS :	2500.00	80.00	42.61877	(88060324)
TRS :	3000.00	80.00	31.17419	(88060324)	TRS :	3500.00	80.00	23.62497	(88060324)
TRS :	4000.00	80.00	18.49718	(88060324)	TRS :	4500.00	80.00	15.32578	(88082221)
TRS :	5000.00	80.00	13.50791	(88082221)	TRS :	686.00	90.00	164.29913	(88060718)
TRS :	1100.00	90.00	87.38844	(88012315)	TRS :	1500.00	90.00	56.22298	(88081324)
TRS :	2000.00	90.00	58.27762c	(88051124)	TRS :	2500.00	90.00	52.16898c	(88051124)
TRS :	3000.00	90.00	42.67763c	(88051124)	TRS :	3500.00	90.00	34.50779c	(88051124)
TRS :	4000.00	90.00	28.21147c	(88051124)	TRS :	4500.00	90.00	23.43195c	(88051124)
TRS :	5000.00	90.00	20.42398c	(88081006)	TRS :	533.00	100.00	220.06218	(88121321)
TRS :	700.00	100.00	134.26155	(88040506)	TRS :	1100.00	100.00	99.82272	(88081921)
TRS :	1500.00	100.00	68.03221	(88081921)	TRS :	2000.00	100.00	40.56577	(88041224)
TRS :	2500.00	100.00	38.31494	(88032124)	TRS :	3000.00	100.00	37.64605	(88032124)
TRS :	3500.00	100.00	33.89903	(88032124)	TRS :	4000.00	100.00	29.59647	(88032124)
TRS :	4500.00	100.00	25.61944	(88032124)	TRS :	5000.00	100.00	22.26481	(88041221)
TRS :	457.00	110.00	217.43410	(88112324)	TRS :	700.00	110.00	155.55469	(88112321)
TRS :	1100.00	110.00	131.61230	(88121321)	TRS :	1500.00	110.00	77.85187	(88121821)
TRS :	2000.00	110.00	58.14789	(88022524)	TRS :	2500.00	110.00	57.76728	(88022524)
TRS :	3000.00	110.00	46.76046	(88022524)	TRS :	3500.00	110.00	35.70735	(88022524)
TRS :	4000.00	110.00	27.02626	(88022524)	TRS :	4500.00	110.00	22.74436	(88040506)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	19.55698	(88040506)	TRS :	457.00	120.00	191.10529	(88051403)
TRS :	700.00	120.00	180.01985	(88112324)	TRS :	1100.00	120.00	110.49822	(88112321)
TRS :	1500.00	120.00	97.29935c	(88042824)	TRS :	2000.00	120.00	57.86563	(88100403)
TRS :	2500.00	120.00	51.31976	(88100403)	TRS :	3000.00	120.00	38.75007	(88100403)
TRS :	3500.00	120.00	28.86407	(88021403)	TRS :	4000.00	120.00	29.85342	(88021403)
TRS :	4500.00	120.00	29.53423	(88021403)	TRS :	5000.00	120.00	28.52011	(88021403)
TRS :	457.00	130.00	147.11330	(88010406)	TRS :	700.00	130.00	137.29738	(88051403)
TRS :	1100.00	130.00	100.09292	(88051403)	TRS :	1500.00	130.00	72.96441	(88112324)
TRS :	2000.00	130.00	63.72440	(88112324)	TRS :	2500.00	130.00	50.26127	(88112324)
TRS :	3000.00	130.00	49.54920	(88120203)	TRS :	3500.00	130.00	45.38341	(88120203)
TRS :	4000.00	130.00	39.64118	(88120203)	TRS :	4500.00	130.00	35.06409	(88101203)
TRS :	5000.00	130.00	31.07952	(88101203)	TRS :	457.00	140.00	151.76527	(88100915)
TRS :	700.00	140.00	135.27959	(88100918)	TRS :	1100.00	140.00	92.18368	(88030118)
TRS :	1500.00	140.00	68.40506	(88030118)	TRS :	2000.00	140.00	43.38974	(88051403)
TRS :	2500.00	140.00	38.12732	(88051403)	TRS :	3000.00	140.00	32.64436	(88051403)
TRS :	3500.00	140.00	27.91415	(88051403)	TRS , :	4000.00	140.00	24.80379c	(88091806)
TRS :	4500.00	140.00	23.32419c	(88091806)	TRS :	5000.00	140.00	21.54526c	(88091806)
TRS :	457.00	150.00	128.06087	(88030518)	TRS :	700.00	150.00	93.16763	(88110818)
TRS :	1100.00	150.00	86.20138	(88100915)	TRS :	1500.00	150.00	60.58925	(88012721)
TRS :	2000.00	150.00	48.12748	(88100918)	TRS :	2500.00	150.00	40.13948	(88100918)
TRS :	3000.00	150.00	32.91903	(88100918)	TRS :	3500.00	150.00	28.98785	(88101918)
TRS :	4000.00	150.00	25.69471	(88101918)	TRS :	4500.00	150.00	22.82229	(88101918)
TRS :	5000.00	150.00	20.36039	(88101918)	TRS :	488.00	160.00	152.00066	(88111318)
TRS :	700.00	160.00	153.71198	(88111318)	TRS :	1100.00	160.00	78.92993c	(88080524)
TRS :	1500.00	160.00	66.49615c	(88080524)	TRS :	2000.00	160.00	56.02622	(88100803)
TRS :	2500.00	160.00	43.63176	(88100803)	TRS :	3000.00	160.00	33.01406	(88100803)
TRS :	3500.00	160.00	25.60733	(88110818)	TRS :	4000.00	160.00	22.08249	(88100724)
TRS :	4500.00	160.00	20.75886	(88011324)	TRS :	5000.00	160.00	20.34748	(88011324)
TRS :	533.00	170.00	130.33777	(88020806)	TRS :	700.00	170.00	93.85400	(88020806)
TRS :	1100.00	170.00	93.67160	(88022424)	TRS :	1500.00	170.00	73.48885	(88100924)
TRS :	2000.00	170.00	52.10479	(88111318)	TRS :	2500.00	170.00	45.40176	(88111318)
TRS :	3000.00	170.00	39.10804	(88111318)	TRS :	3500.00	170.00	33.75661	(88111318)
TRS :	4000.00	170.00	29.34967	(88111318)	TRS :	4500.00	170.00	25.73230	(88111318)
TRS :	5000.00	170.00	22.75040	(88111318)	TRS :	610.00	180.00	135.21301	(88040518)
TRS :	700.00	180.00	115.83248	(88040518)	TRS :	1100.00	180.00	71.59451	(88011106)
TRS :	1500.00	180.00	56.16618	(88101503)	TRS :	2000.00	180.00	50.77002	(88101503)
TRS :	2500.00	180.00	40.66661	(88101503)	TRS :	3000.00	180.00	31.97616	(88101503)
TRS :	3500.00	180.00	27.57455	(88082306)	TRS :	4000.00	180.00	24.27570	(88082306)
TRS :	4500.00	180.00	21.41080	(88082306)	TRS :	5000.00	180.00	18.97211	(88082306)
TRS :	750.00	190.00	143.47252	(88011006)	TRS :	1100.00	190.00	94.86514	(88011006)

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

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	61.06821	(88011006)	TRS :	2000.00	190.00	50.55736	(88010606)
TRS :	2500.00	190.00	40.67055	(88010606)	TRS :	3000.00	190.00	32.98104	(88010606)
TRS :	3500.00	190.00	27.19146	(88010606)	TRS :	4000.00	190.00	22.80115	(88010606)
TRS :	4500.00	190.00	19.41486	(88010606)	TRS :	5000.00	190.00	16.75399	(88010606)
TRS :	1829.00	200.00	44.94523	(88103124)	TRS :	2000.00	200.00	41.19403	(88103124)
TRS :	2500.00	200.00	32.53789	(88103124)	TRS :	3000.00	200.00	26.49359	(88103124)
TRS :	3500.00	200.00	22.40192	(88112924)	TRS :	4000.00	200.00	20.19077	(88112924)
TRS :	4500.00	200.00	18.34806	(88112924)	TRS :	5000.00	200.00	16.78798	(88112924)
TRS :	1829.00	210.00	52.88928	(88100821)	TRS :	2000.00	210.00	48.71584	(88100821)
TRS :	2500.00	210.00	39.24657	(88100821)	TRS :	3000.00	210.00	32.51717	(88100821)
TRS :	3500.00	210.00	27.57270	(88100821)	TRS :	4000.00	210.00	23.79643	(88100821)
TRS :	4500.00	210.00	21.50447	(88011524)	TRS :	5000.00	210.00	19.86665	(88011524)
TRS :	1981.00	220.00	31.61872	(88050118)	TRS :	2000.00	220.00	31.33845	(88050118)
TRS :	2500.00	220.00	25.75893	(88083103)	TRS :	3000.00	220.00	23.11626	(88083103)
TRS :	3500.00	220.00	20.74840	(88083103)	TRS :	4000.00	220.00	18.74020	(88083103)
TRS :	4500.00	220.00	17.02444	(88083103)	TRS :	5000.00	220.00	15.54777	(88083103)
TRS :	2134.00	230.00	31.45660	(88122906)	TRS :	2500.00	230.00	27.03130	(88122906)
TRS :	3000.00	230.00	22.38813	(88122906)	TRS :	3500.00	230.00	18.88534	(88122906)
TRS :	4000.00	230.00	16.17853	(88122906)	TRS :	4500.00	230.00	14.04200	(88122906)
TRS :	5000.00	230.00	12.32418	(88122906)	TRS :	2438.00	240.00	20.31750	(88110918)
TRS :	2500.00	240.00	19.85841	(88110918)	TRS :	3000.00	240.00	17.14475	(88091324)
TRS :	3500.00	240.00	16.73151	(88091324)	TRS :	4000.00	240.00	16.15175	(88091324)
TRS :	4500.00	240.00	15.48512	(88091324)	TRS :	5000.00	240.00	14.78684	(88091324)
TRS :	2896.00	250.00	24.34989	(88050103)	TRS :	3000.00	250.00	23.28883	(88050103)
TRS :	3500.00	250.00	19.04832	(88050103)	TRS :	4000.00	250.00	15.88699	(88050103)
TRS :	4500.00	250.00	13.47150	(88050103)	TRS :	5000.00	250.00	12.16508	(88013024)
TRS :	3048.00	260.00	38.84990	(88091224)	TRS :	3500.00	260.00	33.44353	(88091224)
TRS :	4000.00	260.00	28.38337	(88091224)	TRS :	4500.00	260.00	26.60597	(88082003)
TRS :	5000.00	260.00	25.32922	(88082003)	TRS :	3658.00	270.00	30.88263	(88082706)
TRS :	4000.00	270.00	27.88263	(88082706)	TRS :	4500.00	270.00	24.09101	(88082706)
TRS :	5000.00	270.00	20.95844	(88082706)	TRS :	3962.00	280.00	31.89963	(88091724)
TRS :	4000.00	280.00	31.58509	(88091724)	TRS :	4500.00	280.00	27.64084	(88091724)
TRS :	5000.00	280.00	24.46403c	(88091703)	TRS :	4572.00	290.00	27.29654	(88102921)
TRS :	5000.00	290.00	26.13282	(88102921)	TRS :	5182.00	300.00	24.05723	(88100306)
TRS :	4801.00	310.00	22.11735	(88112006)	TRS :	5000.00	310.00	20.90480	(88112006)
TRS :	4875.00	320.00	22.24321c	(88081906)	TRS :	5000.00	320.00	21.79167c	(88081906)
TRS :	6000.00	330.00	25.73578	(88100309)	TRS :	5500.00	340.00	11.57099	(88071724)
TRS :	5250.00	350.00	17.80679	(88090824)	TRS :	5125.00	360.00	16.83894	(88112021)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	10.00	52.59399	(88082201)	TRS :	4500.00	20.00	44.19944	(88072304)
TRS :	5000.00	20.00	39.65284	(88072304)	TRS :	2500.00	30.00	84.38385	(88030323)
TRS :	3000.00	30.00	66.48689	(88030323)	TRS :	3500.00	30.00	54.12083	(88030323)
TRS :	4000.00	30.00	46.97969	(88092322)	TRS :	4500.00	30.00	42.88671	(88092322)
TRS :	5000.00	30.00	39.35564	(88092322)	TRS :	2500.00	40.00	62.35506	(88032704)
TRS :	3000.00	40.00	51.57917	(88032704)	TRS :	3500.00	40.00	43.45691	(88032704)
TRS :	4000.00	40.00	37.19504	(88032704)	TRS :	4500.00	40.00	32.26617	(88032704)
TRS :	5000.00	40.00	28.31398	(88032704)	TRS :	1500.00	50.00	108.94516	(88071016)
TRS :	2000.00	50.00	82.92516	(88071016)	TRS :	2500.00	50.00	64.90658	(88071016)
TRS :	3000.00	50.00	52.28992	(88071016)	TRS :	3500.00	50.00	43.17709	(88071016)
TRS :	4000.00	50.00	36.36717	(88071016)	TRS :	4500.00	50.00	31.13556	(88071016)
TRS :	5000.00	50.00	29.33640	(88082523)	TRS :	1500.00	60.00	96.14806	(88041507)
TRS :	2000.00	60.00	74.86479	(88041507)	TRS :	2500.00	60.00	60.26837	(88080608)
TRS :	3000.00	60.00	51.02768	(88080608)	TRS :	3500.00	60.00	43.60643	(88080608)
TRS :	4000.00	60.00	37.67458	(88080608)	TRS :	4500.00	60.00	32.89939	(88080608)
TRS :	5000.00	60.00	29.11702	(88082407)	TRS :	1500.00	70.00	115.11005	(88022315)
TRS :	2000.00	70.00	66.51138	(88022315)	TRS :	2500.00	70.00	48.66719	(88100317)
TRS :	3000.00	70.00	40.80614	(88090321)	TRS :	3500.00	70.00	37.77795	(88090321)
TRS :	4000.00	70.00	34.71415	(88090321)	TRS :	4500.00	70.00	31.85756	(88090321)
TRS :	5000.00	70.00	29.27440	(88090321)	TRS :	838.00	80.00	231.21617	(88042607)
TRS :	1100.00	80.00	202.82338	(88073019)	TRS :	1500.00	80.00	151.50359	(88073019)
TRS :	2000.00	80.00	101.07246	(88092604)	TRS :	2500.00	80.00	91.68405	(88092604)
TRS :	3000.00	80.00	75.29630	(88092604)	TRS :	3500.00	80.00	60.59877	(88092604)
TRS :	4000.00	80.00	52.26691	(88082221)	TRS :	4500.00	80.00	45.97733	(88082221)
TRS :	5000.00	80.00	40.52372	(88082221)	TRS :	686.00	90.00	244.46687	(88051905)
TRS :	1100.00	90.00	186.70375	(88030321)	TRS :	1500.00	90.00	154.05945	(88082209)
TRS :	2000.00	90.00	106.75772	(88040421)	TRS :	2500.00	90.00	86.36909	(88040421)
TRS :	3000.00	90.00	71.72787	(88092201)	TRS :	3500.00	90.00	68.57603	(88092201)
TRS :	4000.00	90.00	65.11544	(88081004)	TRS :	4500.00	90.00	63.80552	(88081004)
TRS :	5000.00	90.00	61.27195	(88081004)	TRS :	533.00	100.00	279.46149	(88082309)
TRS :	700.00	100.00	257.91968	(88062722)	TRS :	1100.00	100.00	187.97423	(88070101)
TRS :	1500.00	100.00	144.62309	(88041322)	TRS :	2000.00	100.00	107.00113	(88083019)
TRS :	2500.00	100.00	98.12579	(88032124)	TRS :	3000.00	100.00	94.46135	(88032124)
TRS :	3500.00	100.00	83.07417	(88032124)	TRS :	4000.00	100.00	70.74809	(88032124)
TRS :	4500.00	100.00	59.73304	(88032124)	TRS :	5000.00	100.00	51.75617	(88071621)
TRS :	457.00	110.00	278.04190	(88092209)	TRS :	700.00	110.00	250.93474	(88042718)
TRS :	1100.00	110.00	169.66273	(88082309)	TRS :	1500.00	110.00	147.75206	(88071616)
TRS :	2000.00	110.00	105.25901	(88051824)	TRS :	2500.00	110.00	90.71335	(88072623)
TRS :	3000.00	110.00	74.24886	(88112824)	TRS :	3500.00	110.00	66.67187	(88112824)
TRS :	4000.00	110.00	58.59095	(88040807)	TRS :	4500.00	110.00	54.80290	(88040807)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	5000.00	110.00	50.37338	(88040807)	TRS :	457.00	120.00	274.03574	(88091806)
TRS :	700.00	120.00	238.90845	(88052108)	TRS :	1100.00	120.00	166.78687	(88022024)
TRS :	1500.00	120.00	146.52597	(88042822)	TRS :	2000.00	120.00	127.26403	(88091822)
TRS :	2500.00	120.00	97.02572	(88091822)	TRS :	3000.00	120.00	91.49860	(88040802)
TRS :	3500.00	120.00	84.14272	(88040802)	TRS :	4000.00	120.00	73.64909	(88040802)
TRS :	4500.00	120.00	66.60049	(88021402)	TRS :	5000.00	120.00	62.01511	(88021402)
TRS :	457.00	130.00	254.44283	(88110819)	TRS :	700.00	130.00	225.91492	(88030319)
TRS :	1100.00	130.00	173.44418	(88121518)	TRS :	1500.00	130.00	142.95911	(88122402)
TRS :	2000.00	130.00	101.72400	(88120719)	TRS :	2500.00	130.00	105.05209	(88040803)
TRS :	3000.00	130.00	88.11182	(88120201)	TRS :	3500.00	130.00	81.22908	(88120201)
TRS :	4000.00	130.00	71.31363	(88120201)	TRS :	4500.00	130.00	61.43932	(88120201)
TRS :	5000.00	130.00	52.66229	(88120201)	TRS :	457.00	140.00	267.44965	(88092409)
TRS :	700.00	140.00	221.84973	(88122310)	TRS :	1100.00	140.00	183.39449	(88062317)
TRS :	1500.00	140.00	133.55705	(88090621)	TRS :	2000.00	140.00	98.81658	(88121005)
TRS :	2500.00	140.00	86.75361	(88050520)	TRS :	3000.00	140.00	79.47645	(88050520)
TRS :	3500.00	140.00	76.36496	(88091806)	TRS :	4000.00	140.00	74.41138	(88091806)
TRS :	4500.00	140.00	69.97256	(88091806)	TRS :	5000.00	140.00	64.63578	(88091806)
TRS :	457.00	150.00	260.19406	(88111617)	TRS :	700.00	150.00	210.13263	(88092218)
TRS :	1100.00	150.00	173.73750	(88092409)	TRS :	1500.00	150.00	129.92050	(88090323)
TRS :	2000.00	150.00	101.94114	(88042107)	TRS :	2500.00	150.00	79.20683	(88042107)
TRS :	3000.00	150.00	73.92259	(88112507)	TRS :	3500.00	150.00	64.58585	(88112507)
TRS :	4000.00	150.00	55.70740	(88110819)	TRS :	4500.00	150.00	56.22571	(88110819)
TRS :	5000.00	150.00	55.22812	(88110819)	TRS :	488.00	160.00	320.54294	(88101307)
TRS :	700.00	160.00	200.73499	(88030517)	TRS :	1100.00	160.00	167.60005	(88080524)
TRS :	1500.00	160.00	132.16521	(88032723)	TRS :	2000.00	160.00	100.30027	(88111319)
TRS :	2500.00	160.00	84.47773	(88092724)	TRS :	3000.00	160.00	74.77990	(88092724)
TRS :	3500.00	160.00	64.80053	(88070803)	TRS :	4000.00	160.00	59.79642	(88070803)
TRS :	4500.00	160.00	54.25726	(88070803)	TRS :	5000.00	160.00	48.91605	(88070803)
TRS :	533.00	170.00	234.64325	(88042708)	TRS :	700.00	170.00	206.14848	(88032718)
TRS :	1100.00	170.00	186.80571	(88101307)	TRS :	1500.00	170.00	152.67337	(88101307)
TRS :	2000.00	170.00	115.46654	(88081005)	TRS :	2500.00	170.00	105.40244	(88081005)
TRS :	3000.00	170.00	88.64957	(88081005)	TRS :	3500.00	170.00	73.01128	(88081005)
TRS :	4000.00	170.00	60.14956	(88081005)	TRS :	4500.00	170.00	49.94818	(88081005)
TRS :	5000.00	170.00	41.90970	(88081005)	TRS :	610.00	180.00	220.55547	(88040518)
TRS :	700.00	180.00	197.07556	(88090623)	TRS :	1100.00	180.00	165.67493	(88083021)
TRS :	1500.00	180.00	120.64014	(88083021)	TRS :	2000.00	180.00	106.44371	(88082306)
TRS :	2500.00	180.00	103.26572	(88082306)	TRS :	3000.00	180.00	93.47932	(88082306)
TRS :	3500.00	180.00	82.72365	(88082306)	TRS :	4000.00	180.00	72.82709	(88082306)
TRS :	4500.00	180.00	64.23241	(88082306)	TRS :	5000.00	180.00	56.91632	(88082306)
TRS :	750.00	190.00	183.05249	(88022008)	TRS :	1100.00	190.00	137.92613	(88121020)

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): BLCHSCRB, TRS ,

*** DISCRETE POLAR RECEPTOR POINTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TRS :	1500.00	190.00	111.22997	(88080601)	TRS :	2000.00	190.00	89.26241	(88080601)
TRS :	2500.00	190.00	76.35265	(88042702)	TRS :	3000.00	190.00	70.94688	(88042702)
TRS :	3500.00	190.00	64.89754	(88042702)	TRS :	4000.00	190.00	59.11492	(88042702)
TRS :	4500.00	190.00	53.88076	(88042702)	TRS :	5000.00	190.00	49.24185	(88042702)
TRS :	1829.00	200.00	115.13264	(88051404)	TRS :	2000.00	200.00	107.03497	(88051404)
TRS :	2500.00	200.00	86.94819	(88051404)	TRS :	3000.00	200.00	71.80585	(88051404)
TRS :	3500.00	200.00	60.37064	(88051404)	TRS :	4000.00	200.00	54.18264	(88091704)
TRS :	4500.00	200.00	50.07354	(88091704)	TRS :	5000.00	200.00	46.39748	(88091704)
TRS :	1829.00	210.00	108.60098	(88011524)	TRS :	2000.00	210.00	104.45188	(88011524)
TRS :	2500.00	210.00	93.60129	(88011524)	TRS :	3000.00	210.00	84.47279	(88011524)
TRS :	3500.00	210.00	76.75583	(88011524)	TRS :	4000.00	210.00	70.17545	(88011524)
TRS :	4500.00	210.00	64.51340	(88011524)	TRS :	5000.00	210.00	59.59995	(88011524)
TRS :	1981.00	220.00	60.64824	(88081008)	TRS :	2000.00	220.00	60.15238	(88081008)
TRS :	2500.00	220.00	49.00352	(88081008)	TRS :	3000.00	220.00	40.78184	(88081008)
TRS :	3500.00	220.00	38.10457	(88102705)	TRS :	4000.00	220.00	36.31813	(88102705)
TRS :	4500.00	220.00	34.65793	(88102705)	TRS :	5000.00	220.00	33.05822	(88102705)
TRS :	2134.00	230.00	58.20345	(88121119)	TRS :	2500.00	230.00	50.29745	(88121119)
TRS :	3000.00	230.00	41.90161	(88121119)	TRS :	3500.00	230.00	35.51184	(88121119)
TRS :	4000.00	230.00	31.36111	(88091305)	TRS :	4500.00	230.00	29.59725	(88091305)
TRS :	5000.00	230.00	27.95321	(88091305)	TRS :	2438.00	240.00	58.02523	(88090702)
TRS :	2500.00	240.00	56.74311	(88090702)	TRS :	3000.00	240.00	47.73782	(88090702)
TRS :	3500.00	240.00	40.70898	(88090702)	TRS :	4000.00	240.00	36.24209	(88011523)
TRS :	4500.00	240.00	34.14671	(88011523)	TRS :	5000.00	240.00	32.13344	(88011523)
TRS :	2896.00	250.00	49.79200	(88090803)	TRS :	3000.00	250.00	47.98265	(88090803)
TRS :	3500.00	250.00	40.48927	(88090803)	TRS :	4000.00	250.00	35.49708	(88093007)
TRS :	4500.00	250.00	32.60582	(88093007)	TRS :	5000.00	250.00	30.12095	(88093007)
TRS :	3048.00	260.00	80.44320	(88040107)	TRS :	3500.00	260.00	66.96635	(88071121)
TRS :	4000.00	260.00	59.18018	(88071121)	TRS :	4500.00	260.00	52.45599	(88073001)
TRS :	5000.00	260.00	48.94914	(88073001)	TRS :	3658.00	270.00	71.90518	(88082706)
TRS :	4000.00	270.00	63.31567	(88082706)	TRS :	4500.00	270.00	54.26188	(88091624)
TRS :	5000.00	270.00	48.57482	(88091624)	TRS :	3962.00	280.00	49.95248	(88091723)
TRS :	4000.00	280.00	49.63365	(88091723)	TRS :	4500.00	280.00	46.63474	(88091601)
TRS :	5000.00	280.00	45.14142	(88091601)	TRS :	4572.00	290.00	67.66553	(88032505)
TRS :	5000.00	290.00	63.02503	(88032505)	TRS :	5182.00	300.00	50.47078	(88032506)
TRS :	4801.00	310.00	52.80552	(88062901)	TRS :	5000.00	310.00	51.09566	(88062901)
TRS :	4875.00	320.00	66.72963	(88081906)	TRS :	5000.00	320.00	65.37501	(88081906)
TRS :	6000.00	330.00	68.53410	(88100308)	TRS :	5500.00	340.00	29.76278	(88071506)
TRS :	5250.00	350.00	47.46610	(88072203)	TRS :	5125.00	360.00	50.51681	(88112021)

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** THE SUMMARY OF MAXIMUM PERIOD (8784 HRS) RESULTS ***

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)				OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	7.78206 AT (	524.90,	-92.55,	0.00,	0.00)	DP	NA
	2ND HIGHEST VALUE IS	7.49086 AT (	429.44,	-156.30,	0.00,	0.00)	DP	NA
	3RD HIGHEST VALUE IS	6.29031 AT (	657.78,	-239.41,	0.00,	0.00)	DP	NA
	4TH HIGHEST VALUE IS	5.45361 AT (	395.77,	-228.50,	0.00,	0.00)	DP	NA
	5TH HIGHEST VALUE IS	5.15738 AT (	689.37,	-121.55,	0.00,	0.00)	DP	NA
	6TH HIGHEST VALUE IS	5.01939 AT (	350.08,	-293.75,	0.00,	0.00)	DP	NA
	7TH HIGHEST VALUE IS	4.94568 AT (	293.75,	-350.08,	0.00,	0.00)	DP	NA
	8TH HIGHEST VALUE IS	4.87878 AT (	228.50,	-395.77,	0.00,	0.00)	DP	NA
	9TH HIGHEST VALUE IS	4.77225 AT (	606.22,	-350.00,	0.00,	0.00)	DP	NA
	10TH HIGHEST VALUE IS	4.58953 AT (	686.00,	0.00,	0.00,	0.00)	DP	NA

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

*MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGH VALUE IS	106.51340	ON 88121724: AT (524.90, -92.55, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	150.50316	ON 88112324: AT (429.44, -156.30, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
L HIGH 1ST HIGH VALUE IS	220.06218	ON 88121321:	AT (524.90, -92.55, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

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

** CONC OF CO IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 320.54294	ON 88101307:	AT (166.91, -458.57, 0.00, 0.00)	DP	NA

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

MODELOPTs: CONC RURAL FLAT DFAULT NOCMPL

*** Message Summary : ISCST3 Model Execution ***

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

Total of 0 Fatal Error Message(s)
Total of 1 Warning Message(s)
A Total of 1844 Informational Message(s)

Total of 1844 Calm Hours Identified

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

******** WARNING MESSAGES ********
SO W320 27 PPARM :Input Parameter May Be Out-of-Range for Parameter QS

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