



Nebraska Public Power District

COOPER NUCLEAR STATION
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NLS960079

April 29, 1996

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

Subject: Annual Radioactive Materials Release Report
Cooper Nuclear Station
NRC Docket No. 50-298, DPR-46

In accordance with Specification 6.5.1.F of the Cooper Nuclear Station Technical Specifications, the Nebraska Public Power District submits the Cooper Nuclear Station Annual Radioactive Materials Release Report for the period January 1, 1995, through December 31, 1995.

In accordance with 10 CFR 50.4(b)(1), we are enclosing one signed original of the report for your use, one copy to the Regional Office, and one copy to the NRC Senior Resident Inspector.

Should you have any questions or comments regarding this report, please contact my office.

J. H. Mueller
Site Manager

JHM/hch-g:gl(COVLET)
Enclosure

cc: Senior Project Manager w/enclosure
USNRC - NRR Project Directorate IV-1

Senior Resident Inspector w/enclosure
USNRC - Cooper Nuclear Station

Regional Administrator w/enclosure
USNRC - Region IV

NPG Distribution w/o enclosure

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LIST OF NRC COMMITMENTS

ATTACHMENT

3

Correspondence No: NLS960079

The following table identifies those actions committed to by the District in this document. Any other actions discussed in the submittal represent intended or planned actions by the District. They are described to the NRC for the NRC's information and are not regulatory commitments. Please notify the Licensing Manager at Cooper Nuclear Station of any questions regarding this document or any associated regulatory commitments.

COMMITMENT	COMMITTED DATE OR OUTAGE
None	N/A

NEBRASKA PUBLIC POWER DISTRICT

**COOPER NUCLEAR STATION
ANNUAL OPERATING REPORT
RADIOACTIVE EFFLUENTS
DOCKET NUMBER 50-298**

January 1, 1995 through December 31, 1995

NEBRASKA PUBLIC POWER DISTRICT
COOPER NUCLEAR STATION

ANNUAL OPERATING REPORT
RADIOACTIVE EFFLUENTS

January 1, 1995 through December 31, 1995

USNRC Docket 50-298

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Appendix A: Source Terms

Appendix B: Meteorology

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INTRODUCTION

This report summarizes meteorological data and doses from radioactive effluents for the Cooper Nuclear Station for the period January through December, 1995. The data presented is consistent with guidance provided in Regulatory Guide 1.21 of the U.S. Nuclear Regulatory Commission (Revision 1, 1974) for reporting meteorological data and radioactive effluent data.

The report is organized into three parts. Appendix A presents the effluent and waste disposal source term data. Appendix B presents a summary of onsite meteorological data for the report period, including atmospheric diffusion estimates and a description of the atmospheric diffusion model. Appendix C presents the doses from liquid and gaseous radioactive effluents. Descriptions of the dose calculation models are also included.

APPENDIX A

SOURCE TERMS

EFFLUENT AND WASTE DISPOSAL REPORTS

SUPPLEMENTAL INFORMATION

EFFLUENT AND WASTE DISPOSAL
January 1, 1995 to December 31, 1995

Cooper Nuclear Station effluent and waste disposal data are presented in the format prescribed by Regulatory Guide 1.21. Meteorological data required by Table 4A&B of Regulatory Guide 1.21 is included in the Meteorological Section of the Annual Radioactive Material Release Report - Radioactive Effluents.

Facility Cooper Nuclear Station

License DPR-46

A. Regulatory Limits (NOTE 1)

1. Gaseous waste effluents

- a. The dose rates due to radioactive materials released in gaseous effluents offsite shall be limited to the following:
 - 1. Noble Gases: Less than or equal to 500 mrem/yr to the total body and less than or equal to 3000 mrem/yr to the skin.
 - 2. I-131, I-133, tritium, and all radionuclides in particulate form with half-lives greater than or equal to 8 days: Less than or equal to 1500 mrem/yr to any organ.
- b. The air dose due to noble gases released in gaseous effluents offsite shall be limited to the following:
 - 1. During any calendar quarter: Less than or equal to 5 mrad from gamma radiation and less than or equal to 10 mrad from beta radiation.
 - 2. During any calendar year: Less than or equal to 10 mrad from gamma radiation and less than or equal to 20 mrad from beta radiation.
- c. The dose to a member of the public due to I-131, I-133, and radioactive materials in particulate form with half-lives greater than 8 days in gaseous effluents offsite shall be limited to the following:
 - 1. During any calendar quarter: Less than or equal to 7.5 mrem to any organ.
 - 2. During any calendar year: Less than or equal to 15 mrem to any organ.

2. Liquid waste effluents

- a. The concentration of radioactive material in water offsite due to radioactive liquid effluents shall not exceed the concentration specified in 10 CFR Part 20.1302 for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall not exceed 2×10^{-4} $\mu\text{Ci/ml}$ total activity.
- b. The dose to a member of the public due to radioactive material in liquid effluents offsite shall be limited to the following:
 1. During any calendar quarter: Less than or equal to 1.5 mrem to the total body and less than or equal to 5 mrem to any organ.
 2. During any calendar year: Less than or equal to 3 mrem to the total body and less than or equal to 10 mrem to any organ.

B. Maximum Permissible Concentrations

1. Water - Covered in Section A.2.
- a. Air - Covered in Section A.1.

C. Average Energy

The average energy (\bar{E}) of the radionuclide mixtures of fission and activation gases released is not applicable. This information is not utilized for dose or release calculations.

D. Measurements and Approximations of Total Radioactivity

The methods used to measure or approximate the total radioactivity in effluents and to determine radionuclide composition are as follows:

1. Gaseous effluents

- a. Fission and activation gases:

Radioactivity and radionuclide composition is determined by laboratory HPGe detector analysis in correlation with continuous gross radioactivity monitoring by a beta scintillation detector in the release pathway.

- b. Iodines:

Charcoal cartridges provide continuous sample collection. These cartridges are analyzed for radioactivity and radionuclide composition in the laboratory by a HPGe detector gamma spectrometer.

c. Particulates:

Particulate filters provide continuous sample collection. These filters are analyzed for radioactivity and radionuclide composition in the laboratory by a HPGe detector gamma spectrometer. An aliquot of a filter composite from each release point was analyzed for Sr-89, Sr-90, and gross alpha by an offsite laboratory.

d. Tritium:

A portable sampling apparatus is utilized to collect a quarterly sample of each radioactive vent effluent. These samples are analyzed using a liquid scintillation counter.

2. Liquid effluents

a. Principal gamma emitters and dissolved and entrained gases:

Each batch of liquid effluent is analyzed for radioactivity and radionuclide composition in the laboratory by a HPGe detector gamma spectrometer. In addition, each batch is monitored for gross gamma radioactivity by a NaI detector in-line with the release pathway.

b. Tritium:

An aliquot of a monthly composite is analyzed using a liquid scintillation counter.

c. Sr-89 and Sr-90:

An aliquot from a quarterly composite is analyzed by an offsite laboratory.

d. Gross alpha:

An aliquot from a monthly composite is analyzed by gas flow proportional counting.

e. Fe-55:

An aliquot from a quarterly composite is analyzed by an offsite laboratory.

E. Batch Releases

The following information relates to batch releases of radioactive materials in liquid and gaseous effluents:

1. Liquid

- a. Number of batch releases: 195
- b. Total time period for batch releases: 4.99 E+04 minutes
- c. Maximum time period for batch release: 8.28 E+02 minutes
- d. Average time period for batch releases: 2.56 E+02 minutes
- e. Minimum time period for a batch release: 1.70 E+01 minutes
- f. Average stream flow during periods of release of effluent into a flowing stream: 7.92 E+07 liters/minute

2. Gaseous

- a. Number of batch releases: None
- b. Total time period for batch releases: N/A
- c. Maximum time period for a batch release: N/A
- d. Average time period for batch releases: N/A
- e. Minimum time period for a batch release: N/A

F. Abnormal Release

1. Liquid

- a. Number of releases: 0
- b. Total activity released: None

2. Gaseous

- a. Number of releases: 0
- b. Total activity released: None

TABLE IA
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

	<u>Unit</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>	<u>EST. TOTAL ERROR %</u>
A. Fission and activation gases						
1. Total release	Ci	1.09 E+01	0.00 E+00	0.00 E+00	7.00 E+00	2.0 E+01
2. Average release rate for period	μCi/sec	1.40 E+00	0.00 E+00	0.00 E+00	8.81 E-01	
B. Iodines						
1. Total iodine 131	Ci	5.14 E-06	1.62E-05	1.48 E-05	6.82 E-06	3.0 E+01
2. Average release rate for period	μCi/sec	6.61 E-07	2.06 E-06	1.86 E-06	8.58 E-07	
C. Particulates						
1. Particulates with half-lives >8 days	Ci	3.32 E-04	0.00 E+00	0.00 E+00	0.50 E+00	5.0 E+01
2. Average release rate for period	μCi/sec	4.27 E-05	0.00 E+00	0.00 E+00	0.00 E+00	
3. Gross alpha radioactivity	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	
D. Tritium						
1. Total release	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.0 E+01
2. Average release rate for period	μCi/sec	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	

TABLE 1B
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
GASEOUS EFFLUENT-ELEVATED RELEASE

<u>NUCLIDES RELEASED</u>	<u>UNIT</u>	<u>CONTINUOUS MODE</u>				<u>*BATCH</u>
		<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>	
1. Fission gases.						
krypton-83m	Ci	9.20 E-02	0.00 E+00	0.00 E+00	5.90 E-02	
krypton-85m	Ci	1.70 E-01	0.00 E+00	0.00 E+00	1.10 E-01	
krypton-85	Ci	5.10 E-01	0.00 E+00	0.00 E+00	3.30 E-01	
krypton-87	Ci	5.40 E-01	0.00 E+00	0.00 E+00	3.50 E-01	
krypton-88	Ci	5.40 E-01	0.00 E+00	0.00 E+00	3.50 E-01	
krypton-89	Ci	2.50 E+00	0.00 E+00	0.00 E+00	1.60 E+00	
xexon-133m	Ci	7.60 E-03	0.00 E+00	0.00 E+00 ^e	4.90 E-03	
xexon-133	Ci	3.90 E-01	0.00 E+00	0.00 E+00	2.50 E-01	
xexon-135m	Ci	1.80 E-01	0.00 E+00	0.00 E+00	1.20 E-01	
xexon-135	Ci	6.70 E-01	0.00 E+00	0.00 E+00	4.30 E-01	
xexon-137	Ci	3.10 E+00	0.00 E+00	0.00 E+00	2.00 E+00	
xexon-138	Ci	2.20 E+00	0.00 E+00	0.00 E+00	1.40 E+00	
Total for period	Ci	1.09 E+01	0.00 E+00	0.00 E+00	7.00 E+00	

TABLE 1B (CONTINUED)
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
 GASEOUS EFFLUENT-ELEVATED RELEASE

<u>NUCLIDES RELEASED</u>	<u>UNIT</u>	<u>CONTINUOUS MODE</u>				<u>*BATCH</u>
		<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>	
2. Iodines.						
Iodine-131	Ci	5.14 E-06	1.61 E-05	1.48 E-05	6.82 E-06	
Total for period	Ci	5.14 E-06	1.61 E-05	1.48 E-05	6.82 E-06	
* No batch discharges were made						
3. Particulates.						
cesium-138	Ci	3.20 E-04	0.00 E+00	0.00 E+00	0.00 E+00	
rubidium-88	Ci	1.24 E-05	0.00 E+00	0.00 E+00	0.00 E+00	
Total for period	Ci	3.32 E-04	0.00 E+00	0.00 E+00	0.00 E+00	
* No batch discharges were made						

TABLE IC
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
 GASEOUS EFFLUENT-BUILDING VENT RELEASES

<u>NUCLIDES RELEASED</u>	<u>UNIT</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
1. Fission gases.					
krypton-85m	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
krypton-87	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
krypton-88	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
xexon-133	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
xexon-135m	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
xexon-135	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
xexon-138	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Total for period	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
2. Iodines.					
Iodine-131	Ci	0.00 E+00	1.10 E-07	0.00 E+00	0.00 E+00
Iodine-133	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Total for period	Ci	0.00 E+00	1.10 E-07	0.00 E+00	0.00 E+00
3. Particulates.					
Total for period	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00

TABLE 2A
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

	<u>Unit</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>	<u>EST. TOTAL ERROR %</u>
A. Fission and activation products.						
1. Total release (not including tritium, gases, alpha)	Ci	1.15 E-01	1.09 E-01	5.96 E-02	1.05 E+00	2.0 E+01
2. Average diluted concentration during period	µCi/ml	7.57 E-09	4.34 E-09	2.17 E-09	1.21 E-07	
B. Tritium.						
1. Total release	Ci	3.16 E+00	6.95 E+01	9.11 E-01	1.58 E+00	2.0 E+01
2. Average diluted concentration during period	µCi/ml	2.08 E-07	2.77 E-06	3.31 E-08	1.82 E-07	
C. Dissolved and entrained gases.						
1. Total release	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	5.0 E+01
2. Average diluted concentration during period	µCi/ml	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	
D. Gross alpha radioactivity.						
1. Total release	Ci	7.42 E-05	0.00 E+00	0.00 E+00	0.00 E+00	5.0 E+01
E. Volume of waste released (prior to dilution).						
	liters	5.69 E+06	1.82 E+06	2.63 E+06	2.92 E+06	1.0 E+01
F. Volume of dilution water used during period.						
	liters	1.52 E+10	2.51 E+10	2.75 E+10	8.68 E+09	1.0 E+01

TABLE 2B
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
LIQUID EFFLUENTS

<u>NUCLIDES RELEASED</u>	CONTINUOUS MODE					*BATCH
	<u>UNIT</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>	
manganese-54	Ci	1.75 E-02	9.44 E-03	4.09 E-03	2.06 E-01	
iron-55	Ci	0.00 E+00	5.18 E-03	0.00 E+00	4.36 E-02	
cobalt-58	Ci	2.25 E-04	1.74 E-04	2.34 E-04	4.96 E-02	
cobalt-60	Ci	9.45 E-02	8.39 E-02	4.44 E-02	7.18 E-01	
strontium-89	Ci	8.11 E-04	2.40 E-03	5.05 E-03	1.64 E-04	
cesium-134	Ci	0.00 E+00	2.19 E-04	0.00 E+00	7.29 E-04	
cesium-137	Ci	1.43 E-03	4.90 E-03	3.08 E-03	1.52 E-02	
sodium-24	Ci	0.00 E+00	1.63 E-04	2.52 E-03	2.20 E-04	
silver-110m	Ci	0.00 E+00	2.51 E-03	2.69 E-04	1.19 E-02	
antimony-125	Ci	3.29 E-04	0.00 E+00	0.00 E+00	0.00 E+00	
iron-59	Ci	0.00 E+00	0.00 E+00	0.00 E+00	3.74 E-03	
Total for period above	Ci	1.15 E-01	1.09 E-01	5.96 E-02	1.05 E+00	
xenon-133	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	
xexon-135	Ci	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	

* No continuous mode discharges made

TABLE 3
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS
PERIOD January 1, 1995, TO December 31, 1995

A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL (Not Irradiated Fuel).

1. Type of Waste

	UNIT	12 MONTH PERIOD	EST. TOTAL ERROR%
a. Spent resins, filter sludges, evaporator bottoms, etc.	m ³	3.81 E+01	
	Ci	4.05 E+02	1.5E+01
b. Dry compressible waste, contaminated equip, etc.	m ³	1.34 E+01	
	Ci	6.33 E-02	2.5E+01
c. Irradiated components, control rods, etc.	m ³		
	Ci		
d. Other.	m ³		
	Ci		

2. Estimate of Major Nuclide Composition (By Type of Waste), Percent %

a. americium-241	3.97 E-06
carbon-14	1.48 E-01
cesium-137	1.92 E-01
chromium-51	4.69 E+01
cobalt-58	4.52 E+00
cobalt-60	2.19 E+01
curium-242	1.01 E-05
curium-243/244	1.55 E-05
iodine 129	2.20 E-02
iron-55	1.64 E+01
manganese-54	7.36 E+00
nickel-59	1.64 E-02
nickel-63	9.11 E-01
plutonium-238	3.38 E-06
plutonium-239/240	7.97 E-07
plutonium-241	3.55 E-04
silver-110m	8.81 E-01
strontium-89	1.16 E-01
strontium-90	3.63 E-03
technetium-99	7.95 E-03
tritium	2.34 E-03
zinc-65	5.75 E-01

b. antimony-125	2.81 E-01
carbon-14	2.80 E-02
cesium-134	2.64 E-01
cesium-137	2.31 E+00
chromium-51	6.52 E+00
cobalt-57	1.11 E-03
cobalt-58	1.25 E+00
cobalt-60	3.31 E+01
iodine-129	3.16 E-04
iron-55	4.85 E+01
lanthanum-140	1.57 E-01
manganese-54	5.25 E+00
nickel-63	9.08 E-01
silver-110m	4.66 E-01
strontium-89	1.91 E-02
strontium-90	1.58 E-04
technetium-99	3.16 E-04
tritium	3.07 E-01
zinc-65	6.29 E-01

3. SOLID WASTE DISPOSAL

<u>NUMBER OF SHIPMENTS</u>	<u>MODE OF TRANSPORTATION</u>	<u>DESTINATION</u>
28	Exclusive Use Vehicle	Barnwell, SC

4. SOLIDIFICATION AGENT

No shipments required solidification during this period.

B. IRRADIATED FUEL SHIPMENTS (Disposition)

<u>NUMBER OF SHIPMENTS</u>	<u>MODE OF TRANSPORTATION</u>	<u>DESTINATION</u>
0	N/A	N/A

GASEOUS RADIOACTIVE WASTES

CUMULATIVE DOSE DATA

A. Maximum gamma air dose	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Annual
Site boundary (0.67 miles North) (0.69 miles NNW) (0.67 mi N)					
1. Total mrad	7.76E-5	0.00E+0	0.00E+0	6.28E-5	1.37E-4
2. Percent of Technical Specification Limit %	0.00	0.00	0.00	0.00	0.00
Most Exposed Resident (0.90 miles Northwest)					
1. Total mrad	2.51E-4	0.00E+0	0.00E+0	1.16E-4	2.56E-4
2. Percent of Technical Specification Limit %	0.01	0.00	0.00	0.00	0.00
B. Maximum beta air dose					
Site boundary (0.67 miles North) (0.69 miles NNW) (0.67 mi N)					
1. Total mrad	7.75E-5	0.00E+0	0.00E+0	6.26E-5	1.40E-4
2. Percent of Technical Specification Limit %	0.00	0.00	0.00	0.00	0.00
Most Exposed Resident (0.90 miles Northwest)					
1. Total mrad	2.28E-4	0.00E+0	0.00E+0	1.14E-4	2.48E-4
2. Percent of Technical Specification Limit %	0.00	0.00	0.00	0.00	0.00
C. Maximum organ dose due to I-131, I-133, and particulates (>8 day half lives)					
Site boundary (0.67 miles North) (0.69 miles NNW) (0.67 mi N)					
1. Total mrem	1.49E-4	2.68E-4	1.25E-4	1.67E-4	1.08E-3
2. Percent of Technical Specification Limit %	0.00	0.00	0.00	0.00	0.01
3. Organ	Thyroid	Thyroid	Thyroid	Thyroid	Thyroid
4. Exposed Individual	Infant	Infant	Infant	Infant	Infant
Most Exposed Resident (0.90 miles Northwest)					
1. Total mrem	2.14E-4	3.70E-4	8.43E-6	2.10E-4	1.08E-3
2. Percent of Technical Specification Limit %	0.00	0.00	0.00	0.00	0.01
3. Organ	Thyroid	Thyroid	Thyroid	Thyroid	Thyroid
4. Exposed Individual	Infant	Infant	Infant	Infant	Infant
D. Maximum organ dose rate due to I-131, I-133, tritium, and particulates (>8 day half-lives) was 1.08 E-03 mrem/year which was 0.01% of the Technical Specification Limit.					
E. All radioactive noble gas effluent monitors were set to automatically alarm when the monitor alarm set point, determined as specified in the Offsite Dose Assessment Manual (ODAM), was exceeded. This is required to ensure that the limits to the skin (3000 mrem/yr) are not exceeded.					

LIQUID RADIOACTIVE WASTES

CUMULATIVE DOSE DATA

A.	Maximum whole body dose		<u>1st Qtr</u>	<u>2nd Qtr</u>	<u>3rd Qtr</u>	<u>4th Qtr</u>	<u>Annual</u>
	1. Total	mrem	5.84E-4	7.59E-4	4.48E-4	1.07E-2	1.25E-2
	2. Percent of Technical Specification Limit	%	0.04	0.05	0.03	0.71	0.42
B.	Maximum organ dose						
	1. Total	mrem	4.05E-3	2.46E-3	1.25E-3	6.90E-2	7.68E-2
	2. Percent of Technical Specification Limit	%	0.08	0.05	0.03	1.38	0.77
C.	All radioactive liquid effluents were diluted, at time of discharge to concentrations below the concentrations specified in 10 CFR Part 20.106 for radionuclides other than dissolved and entrained noble gases. For dissolved and entrained noble gases the concentrations were diluted below 2.00 E-04 uCi/ml total activity.						

SUPPLEMENTAL INFORMATION

A. Unplanned Releases:

None.

B. District Initiated Changes to the Process Control Program:

None.

C. District Initiated Changes to the Offsite Dose Assessment Manual:

None.

D. Technical Specifications Violation:

Cooper Nuclear Station Technical Specifications require that a grab sample be taken once per day and analyzed within 24 hours whenever a radioactive gaseous effluent monitor is inoperable. On February 2, 1995, the Elevated Release Point gaseous effluent monitor was inoperable and a grab sample was not taken and analyzed as required.

The reactor had been in cold shutdown since late May of 1994 and no gaseous effluents were being generated at the time that the Elevated Release Point gaseous effluent monitor was inoperable. Review of analysis performed on this gaseous effluent point revealed that no noble gases were released during the time that the reactor was in cold shutdown. Based on these facts, the safety significance of this missed grab sample and analysis, is considered insignificant.

Cooper Nuclear Station Technical Specifications require that if a minimum number of instrument channels are not returned to operable status within 31 days, an explanation as to why the affected instrument was not repaired in a timely manner is to be included in the next Annual Radioactive Materials Release Report, in lieu of any other report. On December 13, 1995, a condition report was initiated to document that the Service Water (SW) Radiation Monitor had been determined to be inoperable for greater than 31 days. The monitor had been declared inoperable November 10, 1995, due to the leaking of the SW sample valves. When work was started, more repair was needed than expected. As a result, the repairs were not completed within the 31-day LCO period, and the monitor was not restored to operable status until December 18, 1995.

APPENDIX B
METEOROLOGY

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METEOROLOGICAL DATA SUMMARIES

Meteorological data collected onsite for the period January 1, 1995, through December 31, 1995, were reduced, validated, summarized for analysis, and included in appropriate dose calculations. Hourly data summaries are provided for all pertinent parameters and for the joint frequency distributions (JFD's) of wind speed and wind direction by atmospheric stability class.

DATA RECOVERY

Data recovery statistics are provided in Table 1 for all pertinent meteorological parameters.

		<u>Lowest</u> <u>Data Recovery</u>	<u>Average</u> <u>Data Recovery</u>
January 1 - March 31, 1995	(Q1)	75.9%	95.2%
April 1 - June 30, 1995	(Q2)	12.9%	84.6%
First Semiannual Period - January 1 - June 30, 1995	(SEM1)	44.2%	89.9%
July 1 - September 30, 1995	(Q3)	3.8%	80.0%
October 1 - December 31, 1995	(Q4)	84.2%	93.4%
Second Semiannual Period - July 1 - December 31, 1995	(SEM2)	45.4%	86.7%
Annual Period - January 1 - December 31, 1995	(ANN)	44.8%	88.3%

WIND AT 100-METER LEVEL AND 10-METER LEVEL

	<u>Predominant Wind Direction at 100m Level</u>	<u>Predominant Wind Direction at 10m Level</u>
Q1	NorthNorthwest 17.2%	NorthNorthwest 15.5%
Q2	Southeast 23.0%	NorthNorthwest 11.4%
SEM1	NorthNorthwest 14.9%	NorthNorthwest 13.5%
Q3	South 33.0%	South 19.2%
Q4	South 12.1%	SouthSoutheast 12.1%
SEM2	South 13.1%	South 15.3%
ANN	NorthNorthwest 12.0%	South 12.8%

	<u>Mean Wind Speed at 100m Level</u>	<u>Mean Wind Speed at 10m Level</u>
Q1	13.7 MPH	8.4 MPH
Q2	13.8 MPH	8.2 MPH
SEM1	13.7 MPH	8.3 MPH
Q3	11.4 MPH	6.1 MPH
Q4	13.9 MPH	7.6 MPH
SEM2	12.7 MPH	6.9 MPH
ANN	13.2 MPH	7.6 MPH

	<u>Maximum Hourly Average Wind Speed/(Date at 100m Level)</u>	<u>Maximum Hourly Average Wind Speed/(Date at 10m Level)</u>
Q1	33.6 MPH/(95/03/26)	26.4 MPH/(95/03/26)
Q2	42.6 MPH/(95/04/18)	32.5 MPH/(95/04/18)
SEM1	42.6 MPH/(95/04/18)	32.5 MPH/(95/04/18)
Q3	31.1 MPH/(95/09/29)	19.3 MPH/(95/09/30)
Q4	37.0 MPH/(95/10/23)	25.9 MPH/(95/12/08)
SEM2	37.0 MPH/(95/10/23)	25.9 MPH/(95/12/08)
ANN	42.6 MPH/(95/04/18)	32.5 MPH/(95/04/18)

TEMPERATURE AT 10-METER LEVEL

	<u>Mean Hourly Average Temperature</u>	<u>Average Daily Maximum</u>	<u>Average Daily Minimum</u>
Q1	0.7 Degrees Celsius	5.9 Degrees Celsius	-3.5 Degrees Celsius
Q2	16.0 Degrees Celsius	20.0 Degrees Celsius	11.7 Degrees Celsius
SEM1	8.0 Degrees Celsius	13.0 Degrees Celsius	4.1 Degrees Celsius
Q3	22.2 Degrees Celsius	27.2 Degrees Celsius	18.3 Degrees Celsius
Q4	5.1 Degrees Celsius	9.7 Degrees Celsius	0.4 Degrees Celsius
SEM2	12.5 Degrees Celsius	17.9 Degrees Celsius	8.8 Degrees Celsius
ANN	10.1 Degrees Celsius	15.4 Degrees Celsius	6.4 Degrees Celsius

	<u>Maximum Temperature (Date)</u>	<u>Minimum Temperature (Date)</u>
Q1	25.4 Degrees Celsius (95/02/25)	-21.1 Degrees Celsius (95/01/07)
Q2	33.0 Degrees Celsius (95/06/21)	-3.9 Degrees Celsius (95/04/04)
SEM1	33.0 Degrees Celsius (95/06/21)	-21.1 Degrees Celsius (95/01/07)
Q3	40.7 Degrees Celsius (95/07/12)	-0.2 Degrees Celsius (95/09/22)
Q4	31.0 Degrees Celsius (95/10/12)	-17.4 Degrees Celsius (95/12/09)
SEM2	40.7 Degrees Celsius (95/07/12)	-17.4 Degrees Celsius (95/12/09)
ANN	40.7 Degrees Celsius (95/07/12)	-21.1 Degrees Celsius (95/01/07)

PRECIPITATION

	<u>Total Precipitation</u>	<u>Maximum Daily Precipitation Total/(Date)</u>	<u>Maximum Hourly Precipitation Total/(Date)</u>
Q1	3.75 Inches	1.40 Inches (95/03/25)	0.30 Inches (95/03/25)
Q2	19.50 Inches	2.00 Inches (95/06/08)	1.60 Inches (95/06/08)
SEM1	23.25 Inches	2.00 Inches (95/06/08)	1.60 Inches (95/06/08)
Q3	9.80 Inches	2.50 Inches (95/07/04)	0.60 Inches (95/09/12)
Q4	2.55 Inches	0.80 Inches (95/11/01)	0.40 Inches (95/11/01)
SEM2	12.35 Inches	2.50 Inches (95/07/04)	0.60 Inches (95/09/12)
ANN	35.60 Inches	2.50 Inches (95/07/04)	1.60 Inches (95/06/08)

ATMOSPHERIC STABILITY

Atmospheric stability is determined through classification of differential temperature data based on JFD of the 100-meter wind and the delta T (100m - 10m) stability data.

	<u>Unstable Conditions Classes A-C</u>	<u>Neutral Conditions Class D</u>	<u>Stable Conditions Classes E-G</u>
Q1	13%	48%	39%
Q2	22%	50%	28%
SEM1	15%	48%	37%
Q3	16%	38%	46%
Q4	9%	45%	46%
SEM2	10%	44%	46%
ANN	12%	46%	42%

TABLE 1. Meteorological Data Recovery

Data Recovery (% of total Observations)

	January- March 1995	April- June 1995	January- June 1995	July- Sept. 1995	October- Dec. 1995	July- Dec. 1995	January- Dec. 1995
100m wind speed	99.7	98.4	99.0	99.6	99.6	99.6	99.3
100m wind direction	82.5	16.1	49.1	4.7	99.6	52.2	50.7
100m ambient temperature	94.8	97.8	96.3	99.7	92.0	95.8	96.1
60m wind speed	99.7	98.4	99.0	99.7	98.3	99.0	99.0
60m wind direction	99.7	98.4	99.0	99.7	99.5	99.6	99.3
60m ambient temperature	97.6	97.1	97.3	99.7	90.9	95.3	96.3
10m wind speed	99.7	98.4	99.0	99.7	99.4	99.6	99.3
10m wind direction	99.7	98.4	99.0	99.6	97.0	98.3	98.7
10m ambient temperature	96.1	86.4	91.2	68.9	88.9	78.9	85.0
10m dew point	99.7	97.7	98.7	98.4	95.7	97.1	97.9
100m-10m delta T	92.4	85.6	89.0	68.9	87.0	78.0	83.4
100m-60m delta T	93.9	97.1	95.5	99.6	89.4	94.5	95.0
60m-10m delta T	96.1	85.6	90.8	68.9	86.6	77.7	84.2
Precipitation	100.0	99.6	99.8	100.0	100.0	100.0	99.9
100m JFD	75.9	12.9	44.2	3.8	87.0	45.4	44.8
10m JFD	96.1	85.6	90.8	68.8	84.2	76.5	83.6

JFD - Joint Frequency Distribution of wind speed, wind direction and atmospheric stability.

MONTHLY SUMMARY TABLES OF HOURLY METEOROLOGICAL DATA

The tables presented in this section provide a summary of hourly averages of measured meteorological parameters. The tables provide summaries by month for the annual period January through December, 1995. Summaries for the first quarter, second quarter, third quarter, fourth quarter, and semiannual periods are also provided. The parameters provided are listed below.

- * 10 meter ambient temperature.
- * Wind direction frequencies at 10 meters and 100 meters.
- * Precipitation.

Any missing or non-measured data are indicated by a field of 9's.

10-Meter Ambient Temperature
and
10-Meter Dew Point Temperature

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 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JAN-MAR 1995

MONTHLY HOUR AVERAGES FOR THE PERIOD 1/ 1/95 TO 3/31/95

JANUARY

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER		NUMBER		NUMBER		NUMBER		NUMBER	
	OBS	(DEG C)	OBS	(DEG C)	OBS	(%)	OBS	(GM/H3)	OBS	(DEG C)
1	31.	-4.9	31.	-8.1	31.	78.5	31.	3.0	31.	-5.9
2	31.	-5.2	31.	-8.3	31.	79.3	31.	3.0	31.	-6.1
3	31.	-5.3	31.	-8.3	31.	79.4	31.	3.0	31.	-6.2
4	31.	-5.5	31.	-8.5	31.	79.6	31.	2.9	31.	-6.4
5	31.	-5.8	31.	-8.7	31.	79.9	31.	2.8	31.	-6.7
6	31.	-6.0	31.	-8.9	31.	80.1	31.	2.8	31.	-6.9
7	30.	-6.3	30.	-9.2	30.	80.3	30.	2.7	30.	-7.1
8	30.	-6.4	30.	-9.3	30.	80.2	30.	2.7	30.	-7.2
9	30.	-6.3	30.	-9.1	30.	80.6	30.	2.7	30.	-7.1
10	31.	-5.2	31.	-8.6	31.	77.2	31.	2.8	31.	-6.2
11	31.	-4.1	31.	-8.2	31.	73.7	31.	2.9	31.	-5.3
12	31.	-3.0	31.	-7.7	31.	70.6	31.	3.0	31.	-4.5
13	31.	-2.2	31.	-7.4	31.	67.9	31.	3.0	31.	-3.8
14	31.	-1.3	31.	-7.1	31.	65.7	31.	3.1	31.	-3.2
15	31.	-0.6	31.	-6.8	31.	64.2	31.	3.2	31.	-2.7
16	31.	-0.2	31.	-6.7	31.	62.7	31.	3.2	31.	-2.4
17	31.	-0.3	31.	-6.7	31.	63.4	31.	3.2	31.	-2.5
18	31.	-1.0	31.	-6.8	31.	66.0	31.	3.2	31.	-2.9
19	31.	-1.7	31.	-6.7	31.	69.3	31.	3.2	31.	-3.4
20	31.	-2.4	31.	-6.8	31.	71.9	31.	3.2	31.	-3.8
21	31.	-2.8	31.	-7.0	31.	73.5	31.	3.2	31.	-4.2
22	31.	-3.3	31.	-7.2	31.	74.6	31.	3.1	31.	-4.5
23	31.	-3.7	31.	-7.4	31.	76.2	31.	3.1	31.	-4.9
24	31.	-4.1	31.	-7.5	31.	77.2	31.	3.1	31.	-5.1
HOURLY MEAN		-3.7		-7.8		73.8		3.0		-4.9
AVG DAILY MAX		0.7		-4.7		84.3		3.7		-1.4
AVG DAILY MIN		-7.8		-10.9		61.0		2.4		-8.6
ABSOLUTE MAX		13.6		5.5		96.0		6.9		8.0
ABSOLUTE MIN		-21.1		-23.7		40.1		0.8		-21.4
TOTAL OBS	741		741		741		741		741	

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PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JAN-MAR 1995

MONTHLY HOUR AVERAGES FOR THE PERIOD 1/ 1/95 TO 3/31/95

FEBRUARY

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER	(DEG C)	NUMBER	(DEG C)	NUMBER	(%)	NUMBER	(GM/M3)	NUMBER	(DEG C)
	OBS		OBS		OBS		OBS		OBS	
1	27.	0.3	28.	-5.6	27.	64.7	27.	3.4	27.	-1.8
2	27.	0.0	28.	-5.8	27.	65.5	27.	3.3	27.	-2.1
3	27.	-0.3	28.	-6.0	27.	66.1	27.	3.3	27.	-2.3
4	27.	-0.8	28.	-6.1	27.	67.7	27.	3.3	27.	-2.7
5	27.	-1.4	28.	-6.3	27.	69.1	27.	3.2	27.	-3.1
6	26.	-2.0	27.	-6.8	26.	69.6	26.	3.1	26.	-3.7
7	26.	-2.4	27.	-7.1	26.	70.1	26.	3.1	26.	-4.0
8	26.	-2.8	27.	-7.2	26.	70.9	26.	3.0	26.	-4.3
9	27.	-2.0	28.	-6.9	27.	69.0	27.	3.1	27.	-3.7
10	27.	-0.6	28.	-6.6	27.	64.2	27.	3.2	27.	-2.7
11	27.	0.8	28.	-6.7	27.	58.2	27.	3.1	27.	-1.9
12	27.	2.1	28.	-6.8	27.	53.2	27.	3.1	27.	-1.1
13	27.	3.2	28.	-6.8	27.	50.2	27.	3.1	27.	-0.5
14	27.	4.4	28.	-6.7	27.	47.4	27.	3.1	27.	0.2
15	28.	4.9	28.	-6.5	28.	47.7	28.	3.2	28.	0.6
16	27.	5.3	28.	-6.3	27.	46.1	27.	3.1	27.	0.7
17	27.	5.3	28.	-6.2	27.	46.3	27.	3.1	27.	0.8
18	27.	4.6	28.	-6.3	27.	47.9	27.	3.1	27.	0.4
19	27.	3.2	28.	-6.4	27.	51.5	27.	3.1	27.	-0.4
20	27.	2.4	28.	-6.4	27.	53.6	27.	3.1	27.	-0.9
21	27.	1.6	28.	-6.4	27.	56.0	27.	3.2	27.	-1.3
22	27.	1.1	28.	-6.4	27.	57.9	27.	3.2	27.	1.6
23	27.	0.7	28.	-6.3	27.	60.1	27.	3.2	27.	-1.9
24	27.	0.2	28.	-6.2	27.	62.8	27.	3.3	27.	-2.1
HOURLY MEAN		1.2		-6.4		58.9		3.2		-1.6
AVG DAILY MAX		6.7		-2.6		76.4		4.2		2.3
AVG DAILY MIN		-3.8		-9.6		43.3		2.6		-5.3
ABSOLUTE MAX		25.4		8.6		89.7		8.4		13.5
ABSOLUTE MIN		-14.3		-22.5		19.8		0.8		-15.0
TOTAL OBS	646		669		646		646		646	

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PROGRAM: JETTEMP
 VERSION: 5P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JAN-MAR 1995

MONTHLY HOUR AVERAGES FOR THE PERIOD 1/ 1/95 TO 3/31/95

MARCH

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	27.	2.0	31.	-1.8	27.	68.0	27.	4.3	27.	0.0
2	29.	2.3	31.	-2.1	29.	68.9	29.	4.4	29.	0.3
3	29.	2.1	31.	-2.2	29.	69.3	29.	4.4	29.	0.2
4	28.	1.5	31.	-2.2	28.	69.5	28.	4.2	28.	-0.4
5	28.	1.4	31.	-2.2	28.	70.5	28.	4.2	28.	-0.5
6	28.	1.3	31.	-2.3	28.	70.7	28.	4.2	28.	-0.5
7	28.	1.2	31.	-2.4	28.	70.5	28.	4.1	28.	-0.6
8	28.	1.5	31.	-2.2	28.	69.7	28.	4.2	28.	-0.4
9	28.	2.6	31.	-1.8	28.	66.9	28.	4.3	28.	0.4
10	29.	4.2	31.	-1.4	29.	63.6	29.	4.6	29.	1.6
11	29.	5.5	31.	-1.0	29.	60.2	29.	4.7	29.	2.5
12	30.	6.9	31.	-0.7	30.	58.1	30.	5.0	30.	3.5
13	30.	7.7	30.	-0.9	30.	56.1	30.	5.0	30.	4.0
14	30.	8.5	31.	-0.5	30.	53.9	30.	4.9	30.	4.4
15	29.	9.1	31.	-0.6	29.	50.9	29.	4.8	29.	4.6
16	29.	9.5	31.	-0.5	29.	50.0	29.	4.8	29.	4.8
17	29.	9.5	31.	-0.4	29.	50.1	29.	4.9	29.	4.8
18	29.	8.9	31.	-0.5	29.	51.3	29.	4.8	29.	4.5
19	29.	7.8	31.	-0.6	29.	54.3	29.	4.8	29.	3.9
20	29.	6.5	31.	-0.6	29.	58.1	29.	4.8	29.	3.2
21	29.	5.5	31.	-0.8	29.	61.2	29.	4.8	29.	2.6
22	29.	4.6	31.	-0.9	29.	64.1	29.	4.7	29.	2.1
23	28.	3.7	31.	-1.1	28.	65.7	28.	4.6	28.	1.4
24	27.	2.9	31.	-1.3	27.	66.6	27.	4.4	27.	0.7
HOURLY MEAN		4.9		-1.3		61.9		4.6		2.0
AVG DAILY MAX		10.4		1.5		75.4		5.8		5.8
AVG DAILY MIN		1.2		-4.1		48.5		4.1		-0.6
ABSOLUTE MAX		23.8		12.9		89.5		10.5		15.2
ABSOLUTE MIN		-17.1		-21.4		23.7		0.9		-17.7
TOTAL OBS	688		743		688		688		688	

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PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JAN-MAR 1995

JAN-MAR HOUR AVERAGES FOR THE PERIOD 1/ 1/95 TO 3/31/95

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GH/M3)	NUMBER OBS	(DEG C)
1	85.	-1.1	90.	-5.2	85.	70.8	85.	3.5	85.	-2.7
2	87.	-1.1	90.	-5.4	87.	71.5	87.	3.6	87.	-2.7
3	87.	-1.3	90.	-5.5	87.	71.9	87.	3.6	87.	-2.9
4	86.	-1.8	90.	-5.6	86.	72.6	86.	3.4	86.	-3.3
5	86.	-2.1	90.	-5.7	86.	73.4	86.	3.4	86.	-3.5
6	85.	-2.4	89.	-6.0	85.	73.8	85.	3.3	85.	-3.8
7	84.	-2.6	88.	-6.1	84.	73.9	84.	3.3	84.	-4.0
8	84.	-2.7	88.	-6.2	84.	73.8	84.	3.3	84.	-4.0
9	85.	-2.0	89.	-5.9	85.	72.4	85.	3.4	85.	-3.5
10	87.	-0.7	90.	-5.5	87.	68.6	87.	3.5	87.	-2.5
11	87.	0.6	90.	-5.3	87.	64.4	87.	3.6	87.	-1.7
12	88.	1.9	90.	-5.0	88.	61.0	88.	3.7	88.	-0.7
13	88.	2.8	89.	-5.0	88.	58.5	88.	3.7	88.	-0.1
14	88.	3.8	90.	-4.7	88.	56.1	88.	3.7	88.	0.4
15	88.	4.3	90.	-4.6	88.	54.6	88.	3.7	88.	0.7
16	87.	4.7	90.	-4.4	87.	53.3	87.	3.7	87.	1.0
17	87.	4.7	90.	-4.4	87.	53.7	87.	3.7	87.	1.0
18	87.	4.1	90.	-4.4	87.	55.5	87.	3.7	87.	0.6
19	87.	3.0	90.	-4.5	87.	58.8	87.	3.7	87.	0.0
20	87.	2.1	90.	-4.6	87.	61.6	87.	3.7	87.	-0.6
21	87.	1.3	90.	-4.7	87.	63.9	87.	3.7	87.	-1.0
22	87.	0.7	90.	-4.8	87.	65.9	87.	3.7	87.	-1.4
23	86.	0.1	90.	-4.9	86.	67.7	86.	3.6	86.	-1.9
24	85.	-0.5	90.	-5.0	85.	69.3	85.	3.5	85.	-2.3
HOURLY MEAN		0.7		-5.1		65.2		3.6		-1.6
AVG DAILY MAX		5.9		-1.9		78.7		4.6		2.2
AVG DAILY MIN		-3.5		-8.2		51.2		3.0		-4.8
ABSOLUTE MAX		25.4		12.9		96.0		10.5		15.2
ABSOLUTE MIN		-21.1		-23.7		19.8		0.8		-21.4
TOTAL OBS	2075		2153		2075		2075		2075	

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PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY APR-JUN 1995

MONTHLY HOUR AVERAGES FOR THE PERIOD 4/ 1/95 TO 6/30/95

APRIL

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	26.	8.3	29.	2.1	26.	64.2	26.	5.6	26.	5.5
2	27.	7.6	29.	2.1	27.	66.7	27.	5.6	27.	5.1
3	27.	7.2	29.	2.0	27.	68.4	27.	5.6	27.	4.8
4	26.	6.8	29.	1.9	26.	69.0	26.	5.5	26.	4.5
5	26.	6.3	29.	1.7	26.	70.4	26.	5.4	26.	4.2
6	26.	6.1	29.	1.6	26.	71.2	26.	5.4	26.	4.0
7	27.	6.3	29.	1.5	27.	70.9	27.	5.5	27.	4.2
8	26.	7.1	29.	1.8	26.	67.6	26.	5.4	26.	4.6
9	25.	8.6	29.	2.0	25.	62.7	25.	5.5	25.	5.6
10	24.	10.0	29.	2.2	24.	57.5	24.	5.5	24.	6.3
11	23.	11.6	28.	2.1	23.	51.9	23.	5.4	23.	7.0
12	25.	12.4	28.	1.9	25.	50.0	25.	5.5	25.	7.5
13	25.	13.3	28.	1.6	25.	46.8	25.	5.3	25.	7.8
14	26.	14.3	29.	1.7	26.	44.7	26.	5.4	26.	8.3
15	26.	15.0	29.	1.6	26.	43.2	26.	5.3	26.	8.6
16	26.	15.3	29.	1.7	26.	43.0	26.	5.4	26.	8.8
17	27.	14.8	29.	1.6	27.	44.2	27.	5.3	27.	8.5
18	27.	14.4	29.	1.6	27.	45.6	27.	5.3	27.	8.3
19	26.	13.7	29.	1.7	26.	46.8	26.	5.3	26.	8.0
20	25.	12.4	29.	2.0	25.	50.0	25.	5.5	25.	7.5
21	25.	11.4	29.	2.2	25.	53.7	25.	5.5	25.	7.0
22	25.	10.3	29.	2.4	25.	57.7	25.	5.6	25.	6.6
23	25.	9.5	29.	2.4	25.	60.5	25.	5.7	25.	6.2
24	26.	9.0	29.	2.5	26.	63.4	26.	5.8	26.	6.0
HOURLY MEAN		10.5		1.9		57.2		5.5		6.5
AVG DAILY MAX		15.0		5.3		74.4		6.8		9.1
AVG DAILY MIN		5.5		-1.0		43.7		4.6		3.4
ABSOLUTE MAX		25.3		11.8		88.1		10.1		15.9
ABSOLUTE MIN		-3.9		-13.6		19.0		1.7		-5.8
TOTAL OBS	617		693		617		617		617	

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PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY APR-JUN 1995

MONTHLY HOUR AVERAGES FOR THE PERIOD 4/ 1/95 TO 6/30/95

MAY

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	26.	13.1	30.	8.6	25.	72.1	25.	8.3	25.	10.5
2	26.	12.6	30.	8.4	25.	73.4	25.	8.2	25.	10.1
3	26.	12.2	30.	8.3	25.	75.0	25.	8.1	25.	9.9
4	25.	12.0	30.	8.1	24.	76.0	24.	8.2	24.	9.8
5	25.	11.7	30.	7.9	24.	76.6	24.	8.1	24.	9.5
6	25.	11.5	30.	7.9	24.	77.4	24.	8.0	24.	9.4
7	25.	12.0	31.	8.1	25.	75.6	25.	8.2	25.	9.9
8	26.	13.0	31.	8.2	26.	71.3	26.	8.2	26.	10.4
9	27.	14.1	31.	8.1	27.	67.2	27.	8.3	27.	10.9
10	28.	14.9	31.	8.1	28.	64.2	28.	8.2	28.	11.3
11	29.	15.6	30.	8.0	28.	60.5	28.	8.1	28.	11.6
12	29.	16.3	30.	7.9	28.	57.4	28.	8.1	28.	11.9
13	29.	17.1	30.	7.9	28.	54.7	28.	8.1	28.	12.3
14	28.	17.9	30.	8.0	27.	51.7	27.	8.1	27.	12.6
15	28.	18.3	30.	8.2	27.	51.1	27.	8.2	27.	12.9
16	27.	18.5	30.	8.2	26.	50.3	26.	8.1	26.	12.8
17	28.	18.3	30.	8.0	27.	50.2	27.	7.9	27.	12.7
18	28.	18.2	31.	8.1	28.	52.3	28.	8.1	28.	12.7
19	28.	17.7	31.	8.4	28.	54.8	28.	8.3	28.	12.6
20	28.	16.7	31.	8.8	28.	59.1	28.	8.5	28.	12.4
21	27.	15.5	31.	9.0	27.	63.3	27.	8.4	27.	11.8
22	27.	14.8	30.	8.8	26.	65.4	26.	8.3	26.	11.4
23	27.	14.2	30.	8.9	26.	68.2	26.	8.4	26.	11.1
24	25.	13.8	30.	8.9	24.	69.6	24.	8.3	24.	10.8
HOURLY MEAN		15.1		8.3		63.7		8.2		11.4
AVG DAILY MAX		18.7		11.0		79.0		9.7		13.3
AVG DAILY MIN		11.4		6.0		50.3		7.2		9.1
ABSOLUTE MAX		27.6		18.4		87.3		15.5		21.6
ABSOLUTE MIN		2.5		-0.2		29.5		4.6		1.5
TOTAL OBS	647		728		631		631		631	

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PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY APR-JUN 1995

MONTHLY HOUR AVERAGES FOR THE PERIOD 4/ 1/95 TO 6/30/95

JUNE

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	27.	20.4	29.	14.8	27.	70.7	27.	12.6	27.	17.1
2	27.	19.9	29.	14.4	27.	71.3	27.	12.4	27.	16.7
3	26.	19.6	29.	14.2	26.	71.6	26.	12.3	26.	16.5
4	26.	19.2	29.	14.1	26.	72.8	26.	12.2	26.	16.2
5	25.	18.7	29.	13.9	25.	73.4	25.	11.9	25.	15.8
6	26.	18.6	30.	13.8	26.	73.8	26.	11.9	26.	15.8
7	25.	19.3	30.	13.9	25.	71.4	25.	12.0	25.	16.2
8	22.	20.5	30.	14.0	22.	66.0	22.	11.9	22.	16.6
9	22.	21.9	30.	14.2	22.	61.4	22.	12.0	22.	17.2
10	22.	23.4	30.	14.2	22.	56.2	22.	11.9	22.	17.7
11	23.	24.0	30.	13.9	23.	52.8	23.	11.5	23.	17.7
12	24.	24.2	30.	13.7	24.	52.1	24.	11.4	24.	17.7
13	24.	24.7	30.	13.7	24.	50.6	24.	11.3	24.	17.8
14	25.	25.3	30.	13.7	25.	49.5	25.	11.4	25.	18.1
15	25.	25.3	30.	13.8	25.	49.6	25.	11.4	25.	18.1
16	25.	25.4	30.	13.7	25.	49.2	25.	11.4	25.	18.1
17	27.	25.4	30.	13.8	27.	50.3	27.	11.6	27.	18.3
18	30.	25.8	30.	13.9	30.	49.7	30.	11.8	30.	18.6
19	30.	25.4	30.	14.3	30.	52.2	30.	12.1	30.	18.6
20	28.	24.3	29.	14.9	28.	56.9	28.	12.5	28.	18.5
21	28.	22.9	29.	15.2	28.	62.7	28.	12.8	28.	18.2
22	29.	22.0	30.	15.0	29.	65.2	29.	12.7	29.	17.8
23	28.	27.5	30.	15.0	28.	67.0	28.	12.6	28.	17.5
24	28.	20.8	29.	14.9	28.	69.7	28.	12.7	28.	17.3
HOURLY MEAN		22.5		14.2		61.1		12.0		17.5
AVG DAILY MAX		26.5		16.3		77.1		13.7		19.1
AVG DAILY MIN		18.2		12.3		46.3		10.7		15.4
ABSOLUTE MAX		33.0		20.0		86.1		16.9		22.5
ABSOLUTE MIN		11.5		4.5		28.2		6.2		9.3
TOTAL OBS	622		712		622		622		622	

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PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY APR-JUN 1995

APR-JUN HOUR AVERAGES FOR THE PERIOD 4/ 1/95 TO 6/30/95

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	79.	14.0	88.	8.5	78.	69.0	78.	8.9	78.	11.1
2	80.	13.4	88.	8.3	79.	70.4	79.	8.7	79.	10.7
3	79.	12.9	88.	8.2	78.	71.6	78.	8.6	78.	10.3
4	77.	12.7	88.	8.0	76.	72.5	76.	8.6	76.	10.2
5	76.	12.2	88.	7.9	75.	73.4	75.	8.4	75.	9.8
6	77.	12.0	89.	7.8	76.	74.1	76.	8.4	76.	9.7
7	77.	12.4	90.	7.9	77.	72.6	77.	8.5	77.	10.0
8	74.	13.2	90.	8.1	74.	68.4	74.	8.3	74.	10.2
9	74.	14.6	90.	8.2	74.	64.0	74.	8.4	74.	11.0
10	74.	15.8	90.	8.3	74.	59.6	74.	8.4	74.	11.6
11	75.	17.0	88.	8.1	74.	55.4	74.	8.3	74.	12.1
12	78.	17.5	88.	8.0	77.	53.4	77.	8.2	77.	12.3
13	78.	18.2	88.	7.8	77.	50.8	77.	8.2	77.	12.6
14	79.	19.1	89.	7.9	78.	48.7	78.	8.3	78.	13.0
15	79.	19.4	89.	7.9	78.	48.0	78.	8.3	78.	13.1
16	78.	19.6	89.	8.0	77.	47.5	77.	8.2	77.	13.2
17	82.	19.5	89.	7.9	81.	48.2	81.	8.3	81.	13.2
18	85.	19.7	90.	8.0	85.	49.3	85.	8.5	85.	13.4
19	84.	19.2	90.	8.2	84.	51.4	84.	8.7	84.	13.3
20	81.	18.0	89.	8.6	81.	55.6	81.	8.9	81.	13.0
21	80.	16.6	89.	8.8	80.	60.1	80.	9.1	80.	12.5
22	81.	16.0	89.	8.8	80.	62.9	80.	9.1	80.	12.2
23	80.	15.3	89.	8.8	79.	65.3	79.	9.0	79.	11.8
24	79.	14.7	88.	8.8	78.	67.6	78.	9.0	78.	11.5
HOURLY MEAN		16.0		8.2		60.7		8.6		11.8
AVG DAILY MAX		20.0		10.9		76.9		10.1		13.8
AVG DAILY MIN		11.7		5.8		46.8		7.5		9.3
ABSOLUTE MAX		33.0		20.0		88.1		16.9		22.5
ABSOLUTE MIN		-3.9		-13.6		19.0		1.7		-5.8
TOTAL OBS	1886		2133		1870		1870		1870	

BIS

PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JAN-JUN 1995

JAN-JUN HOUR AVERAGES FOR THE PERIOD 1/ 1/95 TO 6/30/95

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/H3)	NUMBER OBS	(DEG C)
1	164.	6.2	178.	1.6	163.	69.9	163.	6.1	163.	3.9
2	167.	5.8	178.	1.4	166.	71.0	166.	6.0	166.	3.6
3	166.	5.5	178.	1.3	165.	71.8	165.	6.0	165.	3.4
4	163.	5.0	178.	1.1	162.	72.5	162.	5.9	162.	3.0
5	162.	4.6	178.	1.0	161.	73.4	161.	5.7	161.	2.7
6	162.	4.5	178.	0.9	161.	73.9	161.	5.8	161.	2.6
7	161.	4.6	178.	1.0	161.	73.3	161.	5.8	161.	2.7
8	158.	4.7	178.	1.0	158.	71.3	158.	5.7	158.	2.6
9	159.	5.7	179.	1.2	159.	68.5	159.	5.7	159.	3.2
10	161.	6.9	180.	1.4	161.	64.5	161.	5.8	161.	4.0
11	162.	8.2	178.	1.4	161.	60.3	161.	5.8	161.	4.7
12	166.	9.2	178.	1.4	165.	57.4	165.	5.8	165.	5.3
13	166.	10.1	177.	1.4	165.	54.9	165.	5.8	165.	5.8
14	167.	11.0	179.	1.5	166.	52.6	166.	5.9	166.	6.3
15	167.	11.5	179.	1.7	166.	51.5	166.	5.8	166.	6.6
16	165.	11.8	179.	1.7	164.	50.6	164.	5.8	164.	6.7
17	169.	11.9	179.	1.7	168.	51.0	168.	5.9	168.	6.9
18	172.	11.8	180.	1.8	172.	52.4	172.	6.1	172.	6.9
19	171.	10.9	180.	1.9	171.	55.1	171.	6.2	171.	6.5
20	168.	9.8	179.	2.0	168.	58.7	168.	6.2	168.	6.0
21	167.	8.7	179.	2.0	167.	62.1	167.	6.3	167.	5.5
22	168.	8.1	179.	2.0	167.	64.5	167.	6.3	167.	5.1
23	166.	7.4	179.	1.9	165.	66.6	165.	6.2	165.	4.7
24	164.	6.8	178.	1.8	163.	68.5	163.	6.2	163.	4.3
HOURLY MEAN		8.0		1.5		63.1		5.9		4.7
AVG DAILY MAX		13.0		4.5		77.8		7.3		8.1
AVG DAILY MIN		4.1		-1.1		49.0		5.3		2.3
ABSOLUTE MAX		33.0		20.0		96.0		16.9		22.5
ABSOLUTE MIN		-21.1		-23.7		19.0		0.8		-21.4
TOTAL OBS	3961		4286		3945		3945		3945	

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PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JUL-SEP 1995

MONTHLY HOUR AVERAGES FOR THE PERIOD 7/ 1/95 TO 9/30/95

JULY

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	-----		-----		-----		-----		-----	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	23.	22.8	31.	17.7	23.	72.2	23.	14.9	23.	19.4
2	21.	22.6	31.	17.5	21.	72.4	21.	14.7	21.	19.2
3	21.	22.2	31.	17.4	21.	73.3	21.	14.6	21.	19.0
4	21.	21.7	31.	17.1	21.	74.1	21.	14.3	21.	18.7
5	22.	21.4	31.	16.9	22.	75.4	22.	14.3	22.	18.5
6	22.	21.1	31.	16.8	22.	75.9	22.	14.2	22.	18.4
7	22.	21.8	31.	17.0	22.	74.7	22.	14.4	22.	18.8
8	22.	23.2	31.	17.2	22.	69.3	22.	14.6	22.	19.5
9	22.	24.8	31.	17.4	22.	64.0	22.	14.6	22.	20.0
10	23.	26.5	31.	17.3	23.	57.4	23.	14.4	23.	20.5
11	22.	28.1	31.	17.2	22.	53.5	22.	14.6	22.	21.2
12	18.	28.9	31.	17.1	18.	51.1	18.	14.5	18.	21.5
13	18.	29.8	31.	16.8	18.	48.1	18.	14.4	18.	21.7
14	17.	30.7	31.	16.9	17.	45.5	17.	14.3	17.	21.9
15	16.	31.4	31.	16.9	16.	43.5	16.	14.2	16.	22.1
16	20.	30.4	31.	16.7	20.	43.6	20.	13.5	20.	21.3
17	21.	30.8	31.	17.0	21.	43.5	21.	13.8	21.	21.6
18	22.	30.3	31.	17.5	22.	46.3	22.	14.3	22.	21.7
19	23.	29.1	31.	17.8	23.	50.9	23.	14.6	23.	21.5
20	23.	27.2	31.	17.9	23.	57.0	23.	14.9	23.	21.0
21	23.	25.6	31.	18.0	23.	63.3	23.	15.2	23.	20.7
22	22.	24.7	31.	18.0	22.	66.8	22.	15.2	22.	20.4
23	22.	24.0	31.	18.0	22.	69.2	22.	15.2	22.	20.1
24	23.	23.6	31.	17.9	23.	70.0	23.	15.0	23.	19.8
HOURLY MEAN		25.8		17.3		61.5		14.5		20.3
AVG DAILY MAX		29.9		19.7		78.9		16.4		21.9
AVG DAILY MIN		21.1		14.9		46.5		12.7		18.3
ABSOLUTE MAX		40.7		23.2		89.8		20.2		26.3
ABSOLUTE MIN		12.1		5.7		27.0		7.0		10.5
TOTAL OBS	509		744		509		509		509	

B17

PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JUL-SEP 1995

MONTHLY HOUR AVERAGES FOR THE PERIOD 7/ 1/95 TO 9/30/95

AUGUST

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER		NUMBER		NUMBER		NUMBER		NUMBER	
	OBS	(DEG C)	OBS	(DEG C)	OBS	(%)	OBS	(GM/M3)	OBS	(DEG C)
1	21.	23.0	31.	19.3	21.	78.6	21.	16.3	21.	20.4
2	21.	22.6	31.	19.1	21.	80.0	21.	16.2	21.	20.2
3	21.	22.2	31.	18.9	21.	80.9	21.	16.1	21.	20.0
4	21.	21.8	31.	18.6	21.	81.4	21.	15.8	21.	19.7
5	20.	21.4	31.	18.3	20.	81.6	20.	15.4	20.	19.3
6	19.	20.9	31.	18.2	19.	82.8	19.	15.2	19.	19.0
7	19.	21.1	31.	18.2	19.	81.7	19.	15.2	19.	19.1
8	17.	22.3	31.	18.5	17.	78.4	17.	15.6	17.	19.8
9	16.	23.4	31.	18.8	16.	72.8	16.	15.4	16.	20.0
10	16.	24.8	31.	18.9	16.	66.6	16.	15.3	16.	20.5
11	14.	25.5	31.	19.1	14.	64.7	14.	15.4	14.	20.8
12	14.	26.0	31.	19.2	14.	63.6	14.	15.6	14.	21.1
13	13.	26.5	31.	19.3	13.	62.0	13.	15.6	13.	21.3
14	13.	27.0	31.	19.3	13.	60.6	13.	15.6	13.	21.5
15	15.	28.6	31.	19.2	15.	56.4	15.	15.8	15.	22.1
16	16.	29.3	31.	19.6	16.	55.3	16.	16.0	16.	22.5
17	16.	29.2	31.	19.7	16.	56.3	16.	16.2	16.	22.5
18	18.	29.0	31.	20.0	18.	58.2	18.	16.6	18.	22.7
19	17.	27.9	31.	20.2	17.	61.9	17.	16.8	17.	22.5
20	19.	26.5	31.	20.3	19.	67.9	19.	17.1	19.	22.1
21	21.	25.5	31.	20.1	21.	71.5	21.	17.0	21.	21.8
22	21.	24.7	31.	19.8	21.	73.2	21.	16.7	21.	21.3
23	21.	24.1	31.	19.6	21.	74.7	21.	16.5	21.	21.0
24	20.	23.8	31.	19.5	20.	76.3	20.	16.6	20.	20.9
HOURLY MEAN		24.7		19.2		71.3		16.0		20.9
AVG DAILY MAX		28.9		21.2		83.2		17.9		23.0
AVG DAILY MIN		21.5		17.6		57.7		15.1		19.4
ABSOLUTE MAX		35.9		25.5		97.6		23.0		26.5
ABSOLUTE MIN		16.0		12.2		38.1		10.3		14.1
TOTAL OBS	429		744		429		429		429	

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PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JUL-SEP 1995

MONTHLY HOUR AVERAGES FOR THE PERIOD 7/ 1/95 TO 9/30/95

SEPTEMBER

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	25.	14.7	29.	11.2	24.	77.8	24.	10.5	24.	12.6
2	24.	14.5	29.	11.1	23.	78.2	23.	10.4	23.	12.5
3	24.	14.0	29.	10.9	23.	79.6	23.	10.2	23.	12.1
4	23.	13.4	28.	10.5	22.	80.1	22.	9.9	22.	11.6
5	23.	13.0	28.	10.3	22.	81.0	22.	9.8	22.	11.4
6	24.	12.5	28.	10.2	23.	82.1	23.	9.6	23.	11.0
7	24.	12.5	28.	10.2	23.	81.6	23.	9.6	23.	11.0
8	23.	13.5	28.	10.6	23.	78.2	23.	9.7	23.	11.6
9	23.	15.1	27.	11.0	22.	72.9	22.	10.0	22.	12.6
10	23.	17.0	27.	11.1	22.	65.6	22.	10.1	22.	13.5
11	22.	18.7	28.	11.2	22.	61.1	22.	10.4	22.	14.4
12	22.	20.5	28.	11.1	22.	54.7	22.	10.3	22.	15.1
13	23.	21.3	29.	11.5	23.	54.4	23.	10.7	23.	15.7
14	25.	21.7	29.	11.5	25.	52.6	25.	10.6	25.	15.8
15	24.	22.1	29.	11.4	24.	51.8	24.	10.8	24.	16.0
16	24.	22.1	29.	11.5	24.	52.5	24.	10.9	24.	16.1
17	26.	21.9	29.	11.6	26.	53.4	26.	10.9	26.	16.0
18	26.	21.0	29.	11.8	25.	56.8	25.	11.0	25.	15.7
19	26.	19.3	29.	12.1	25.	64.3	25.	11.4	25.	15.3
20	26.	18.0	29.	12.0	25.	69.0	25.	11.4	25.	14.7
21	26.	17.2	29.	11.9	25.	72.0	25.	11.3	25.	14.4
22	26.	16.7	29.	11.8	25.	74.1	25.	11.3	25.	14.1
23	26.	16.1	29.	11.5	25.	75.5	25.	11.0	25.	13.7
24	25.	15.4	29.	11.2	24.	76.5	24.	10.7	24.	13.1
HOURLY MEAN		17.2		11.2		68.4		10.5		13.8
AVG DAILY MAX		23.1		14.0		84.6		12.2		16.5
AVG DAILY MIN		12.5		8.5		49.6		9.0		10.9
ABSOLUTE MAX		30.8		22.3		98.0		19.5		23.7
ABSOLUTE MIN		-0.2		-6.1		26.9		2.9		-1.0
TOTAL OBS	583		685		567		567		567	

PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JUL-SEP 1995

JUL-SEP HOUR AVERAGES FOR THE PERIOD 7/ 1/95 TO 9/30/95

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	69.	19.9	91.	16.2	68.	76.2	68.	13.8	68.	17.3
2	66.	19.6	91.	16.0	65.	76.9	65.	13.7	65.	17.2
3	66.	19.2	91.	15.8	65.	78.0	65.	13.5	65.	16.9
4	65.	18.8	90.	15.6	64.	78.6	64.	13.3	64.	16.6
5	65.	18.4	90.	15.3	64.	79.3	64.	13.1	64.	16.3
6	65.	17.9	90.	15.2	64.	80.2	64.	12.8	64.	15.9
7	65.	18.2	90.	15.3	64.	79.3	64.	12.9	64.	16.1
8	62.	19.4	90.	15.6	62.	75.1	62.	13.1	62.	16.6
9	61.	20.8	89.	15.9	60.	69.6	60.	13.1	60.	17.3
10	62.	22.5	89.	16.0	61.	62.8	61.	13.1	61.	18.0
11	58.	23.9	90.	16.0	58.	59.1	58.	13.2	58.	18.5
12	54.	24.7	90.	16.0	54.	55.8	54.	13.1	54.	18.8
13	54.	25.4	91.	16.0	54.	54.2	54.	13.1	54.	19.1
14	55.	25.7	91.	16.0	55.	52.3	55.	12.9	55.	19.0
15	55.	26.6	91.	15.9	55.	50.7	55.	13.1	55.	19.5
16	60.	26.8	91.	16.0	60.	50.3	60.	13.1	60.	19.5
17	63.	26.7	91.	16.2	63.	50.9	63.	13.2	63.	19.5
18	66.	26.3	91.	16.5	65.	53.6	65.	13.7	65.	19.7
19	66.	24.9	91.	16.8	65.	58.9	65.	14.0	65.	19.4
20	68.	23.5	91.	16.8	67.	64.5	67.	14.2	67.	19.0
21	70.	22.5	91.	16.8	69.	69.0	69.	14.3	69.	18.7
22	69.	21.7	91.	16.7	68.	71.5	68.	14.2	68.	18.4
23	69.	21.1	91.	16.5	68.	73.2	68.	14.1	68.	18.0
24	68.	20.6	91.	16.3	67.	74.2	67.	13.9	67.	17.8
HOURLY MEAN		22.2		16.1		66.9		13.5		18.0
AVG DAILY MAX		27.2		18.3		82.2		15.4		20.3
AVG DAILY MIN		18.3		13.7		51.0		12.2		16.1
ABSOLUTE MAX		40.7		25.5		98.0		23.0		26.5
ABSOLUTE MIN		-0.2		-6.1		26.9		2.9		-1.0
TOTAL OBS	1521		2173		1505		1505		1505	

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PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY OCT-DEC 1995

MONTHLY HOUR AVERAGES FOR THE PERIOD 10/ 1/95 TO 12/31/95

OCTOBER

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER	(DEG C)	NUMBER	(DEG C)	NUMBER	(%)	NUMBER	(GM/M3)	NUMBER	(DEG C)
	OBS		OBS		OBS		OBS		OBS	
1	27.	11.4	31.	5.2	27.	69.2	27.	7.3	27.	8.7
2	27.	11.1	31.	5.3	27.	71.0	27.	7.4	27.	8.5
3	26.	10.9	30.	5.4	26.	72.3	26.	7.5	26.	8.6
4	27.	10.4	30.	5.4	27.	73.0	27.	7.4	27.	8.2
5	26.	10.0	29.	5.3	26.	74.6	26.	7.4	26.	7.9
6	27.	9.6	29.	5.1	27.	75.9	27.	7.3	27.	7.6
7	27.	9.2	29.	4.5	27.	75.1	27.	6.9	27.	7.2
8	28.	9.3	29.	4.7	28.	74.7	28.	7.0	28.	7.3
9	29.	11.1	29.	5.2	29.	68.3	29.	7.1	29.	8.3
10	29.	13.0	29.	5.1	29.	60.0	29.	7.0	29.	9.2
11	29.	14.6	29.	5.0	29.	54.1	29.	6.9	29.	9.9
12	27.	15.6	27.	5.0	27.	51.1	27.	6.9	27.	10.3
13	29.	16.3	28.	4.8	28.	47.1	28.	6.8	28.	10.7
14	29.	16.9	28.	4.7	28.	45.4	28.	6.7	28.	11.0
15	29.	17.5	28.	4.6	28.	44.4	28.	6.6	28.	11.2
16	30.	18.0	29.	4.6	29.	43.2	29.	6.6	29.	11.4
17	29.	17.9	28.	5.2	28.	44.7	28.	6.7	28.	11.6
18	27.	16.5	28.	5.7	26.	50.9	26.	7.4	26.	11.4
19	26.	14.7	28.	5.9	25.	56.5	25.	7.4	25.	10.6
20	26.	13.7	28.	5.9	25.	60.4	25.	7.4	25.	10.1
21	27.	13.0	29.	5.2	26.	60.6	26.	7.2	26.	9.4
22	26.	12.4	29.	5.2	25.	61.9	25.	7.1	25.	9.0
23	24.	12.4	26.	5.3	23.	64.3	23.	7.4	23.	9.3
24	26.	11.8	29.	5.1	25.	66.2	25.	7.3	25.	9.0
HOURLY MEAN		13.3		5.1		60.9		7.1		9.4
AVG DAILY MAX		18.9		7.9		81.0		8.4		12.1
AVG DAILY MIN		7.4		2.3		40.6		5.8		5.7
ABSOLUTE MAX		31.0		17.0		100.0		14.0		20.3
ABSOLUTE MIN		-0.6		-6.0		22.8		2.9		-1.4
TOTAL OBS	657		692		645		645		645	

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PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY OCT-DEC 1995

MONTHLY HOUR AVERAGES FOR THE PERIOD 10/ 1/95 TO 12/31/95

NOVEMBER

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	26.	1.2	28.	-3.4	26.	69.7	26.	3.9	26.	-0.6
2	26.	1.0	28.	-3.5	26.	70.5	26.	3.8	26.	-0.8
3	25.	0.6	28.	-3.6	25.	70.9	25.	3.7	25.	-1.2
4	25.	0.3	28.	-3.7	25.	71.9	25.	3.7	25.	-1.4
5	25.	0.0	28.	-3.8	25.	72.4	25.	3.7	25.	-1.6
6	25.	-0.5	28.	-4.0	25.	74.0	25.	3.6	25.	-2.0
7	25.	-0.7	28.	-4.1	25.	74.2	25.	3.6	25.	-2.1
8	26.	-0.9	28.	-3.9	25.	75.7	25.	3.6	25.	-2.2
9	27.	0.2	28.	-3.4	26.	74.4	26.	3.8	26.	-1.3
10	28.	2.0	29.	-2.7	28.	70.5	28.	4.1	28.	0.2
11	29.	3.2	30.	-2.7	29.	64.5	29.	4.1	29.	0.9
12	29.	4.5	30.	-2.5	29.	60.9	29.	4.2	29.	1.7
13	29.	5.5	30.	-2.2	29.	58.1	29.	4.3	29.	2.4
14	29.	6.3	30.	-2.2	29.	55.6	29.	4.3	29.	2.8
15	29.	6.7	30.	-2.2	29.	54.6	29.	4.3	29.	3.1
16	28.	6.9	30.	-2.1	28.	53.3	28.	4.3	28.	3.1
17	28.	6.4	30.	-2.3	28.	54.2	28.	4.2	28.	2.8
18	28.	5.3	30.	-2.6	28.	56.8	28.	4.1	28.	2.1
19	28.	4.6	30.	-2.6	28.	59.2	28.	4.1	28.	1.7
20	29.	4.0	30.	-2.6	29.	62.5	29.	4.2	29.	1.4
21	29.	3.4	30.	-2.9	29.	63.7	29.	4.1	29.	0.9
22	29.	2.6	30.	-3.1	29.	65.8	29.	4.0	29.	0.4
23	29.	2.1	30.	-3.1	29.	68.3	29.	4.0	29.	0.1
24	28.	1.6	30.	-3.3	28.	69.0	28.	3.9	28.	-0.3
HOURLY MEAN		2.9		-3.0		65.1		4.0		0.5
AVG DAILY MAX		7.9		0.6		81.2		5.1		4.3
AVG DAILY MIN		-1.9		-6.6		51.8		3.2		-3.2
ABSOLUTE MAX		20.0		8.6		96.4		8.4		12.6
ABSOLUTE MIN		-12.2		-15.4		20.3		1.5		-12.8
TOTAL OBS	659		701		657		657		657	

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PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY OCT-DEC 1995

MONTHLY HOUR AVERAGES FOR THE PERIOD 10/ 1/95 TO 12/31/95

DECEMBER

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER		NUMBER		NUMBER		NUMBER		NUMBER	
	OBS	(DEG C)	OBS	(DEG C)	OBS	(%)	OBS	(GM/M3)	OBS	(DEG C)
1	26.	-1.7	30.	-5.9	26.	75.5	26.	3.4	26.	-3.0
2	26.	-1.8	30.	-5.8	26.	76.6	26.	3.4	26.	-3.1
3	27.	-1.9	30.	-5.7	27.	78.2	27.	3.5	27.	-3.0
4	26.	-2.5	30.	-5.8	26.	79.7	26.	3.4	26.	-3.5
5	26.	-2.6	30.	-5.9	26.	79.5	26.	3.4	26.	-3.6
6	26.	-2.7	30.	-6.2	26.	79.2	26.	3.3	26.	-3.7
7	28.	-2.6	30.	-6.2	28.	79.0	28.	3.4	28.	-3.6
8	29.	-3.1	30.	-6.3	29.	78.8	29.	3.3	29.	-4.1
9	27.	-3.1	29.	-6.0	27.	79.1	27.	3.3	27.	-4.1
10	28.	-2.1	29.	-5.4	28.	78.3	28.	3.5	28.	-3.2
11	29.	-1.2	29.	-5.1	29.	75.9	29.	3.6	29.	-2.4
12	28.	-0.4	29.	-4.9	28.	72.9	28.	3.7	28.	-2.0
13	28.	0.2	29.	-4.7	28.	70.8	28.	3.7	28.	-1.5
14	27.	0.9	29.	-4.6	27.	69.2	27.	3.8	27.	-1.1
15	28.	1.4	30.	-4.3	28.	68.4	28.	3.9	28.	-0.6
16	27.	1.5	30.	-4.4	27.	66.4	27.	3.8	27.	-0.7
17	27.	1.2	30.	-4.8	27.	66.2	27.	3.7	27.	-1.0
18	28.	0.2	31.	-4.9	28.	69.4	28.	3.6	28.	-1.7
19	27.	-0.4	31.	-5.1	27.	72.7	27.	3.7	27.	-2.0
20	26.	-0.3	31.	-5.4	26.	73.7	26.	3.6	26.	-1.9
21	26.	-0.8	31.	-5.6	26.	75.4	26.	3.6	26.	-2.2
22	25.	-1.2	31.	-5.6	25.	76.4	25.	3.6	25.	-2.5
23	25.	-1.5	31.	-5.7	25.	77.0	25.	3.5	25.	-2.7
24	26.	-1.7	31.	-5.9	26.	75.4	26.	3.4	26.	-3.0
HOURLY MEAN		-1.1		-5.4		74.7		3.5		-2.5
AVG DAILY MAX		2.2		-2.2		85.3		4.3		0.3
AVG DAILY MIN		-4.3		-8.7		63.0		2.8		-5.4
ABSOLUTE MAX		14.5		10.3		96.4		9.5		11.5
ABSOLUTE MIN		-17.4		-25.6		20.3		0.6		-18.4
TOTAL OBS	646		721		646		646		646	

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PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY OCT-DEC 1995

OCT-DEC HOUR AVERAGES FOR THE PERIOD 10/ 1/95 TO 12/31/95

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	79.	3.8	89.	-1.2	79.	71.4	79.	4.9	79.	1.8
2	79.	3.5	89.	-1.2	79.	72.7	79.	4.9	79.	1.6
3	78.	3.2	88.	-1.3	78.	73.9	78.	4.9	78.	1.4
4	78.	2.9	88.	-1.3	78.	74.9	78.	4.9	78.	1.2
5	77.	2.5	87.	-1.5	77.	75.6	77.	4.8	77.	0.9
6	78.	2.3	87.	-1.7	78.	76.4	78.	4.8	78.	0.8
7	80.	2.0	87.	-2.0	80.	76.1	80.	4.6	80.	0.5
8	83.	1.8	87.	-1.8	82.	76.5	82.	4.6	82.	0.4
9	83.	2.9	86.	-1.4	82.	73.8	82.	4.8	82.	1.2
10	85.	4.4	87.	-1.0	85.	69.5	85.	4.9	85.	2.1
11	87.	5.6	88.	-1.0	87.	64.9	87.	4.9	87.	2.8
12	84.	6.4	86.	-0.9	84.	61.7	84.	4.9	84.	3.2
13	86.	7.4	87.	-0.8	85.	58.7	85.	4.9	85.	3.8
14	85.	8.2	87.	-0.8	84.	56.6	84.	4.9	84.	4.3
15	86.	8.6	88.	-0.7	85.	55.8	85.	4.9	85.	4.5
16	85.	9.1	89.	-0.7	84.	54.1	84.	4.9	84.	4.7
17	84.	8.7	88.	-0.8	83.	54.9	83.	4.9	83.	4.5
18	83.	7.2	89.	-0.8	82.	59.2	82.	5.0	82.	3.8
19	81.	6.2	89.	-0.8	80.	62.9	80.	5.0	80.	3.2
20	81.	5.7	89.	-0.9	80.	65.5	80.	5.0	80.	3.0
21	82.	5.2	90.	-1.2	81.	66.4	81.	4.9	81.	2.6
22	80.	4.6	90.	-1.3	79.	67.9	79.	4.8	79.	2.2
23	78.	4.1	89.	-1.4	77.	69.9	77.	4.9	77.	1.9
24	80.	3.8	90.	-1.5	79.	70.2	79.	4.8	79.	1.7
HOURLY MEAN		5.1		-1.2		66.9		4.9		2.5
AVG DAILY MAX		9.7		2.1		82.5		5.9		5.0
AVG DAILY MIN		0.4		-4.3		51.8		3.9		-0.9
ABSOLUTE MAX		31.0		17.0		100.0		14.0		20.3
ABSOLUTE MIN		-17.4		-25.6		20.3		0.6		-18.4
TOTAL OBS	1962		2114		1948		1948		1948	

B24

PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JUL-DEC 1995

JUL-DEC HOUR AVERAGES FOR THE PERIOD 7/ 1/95 TO 12/31/95

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	148.	11.3	180.	7.6	147.	73.6	147.	9.0	147.	9.0
2	145.	10.9	180.	7.5	144.	74.6	144.	8.9	144.	8.7
3	144.	10.5	179.	7.4	143.	75.8	143.	8.8	143.	8.5
4	143.	10.1	178.	7.2	142.	76.5	142.	8.7	142.	8.1
5	142.	9.8	177.	7.1	141.	77.2	141.	8.6	141.	7.9
6	143.	9.4	177.	6.9	142.	78.1	142.	8.4	142.	7.6
7	145.	9.2	177.	6.8	144.	77.5	144.	8.3	144.	7.4
8	145.	9.3	177.	7.0	144.	75.9	144.	8.3	144.	7.4
9	144.	10.5	175.	7.4	142.	72.0	142.	8.3	142.	8.0
10	147.	12.1	176.	7.6	146.	66.7	146.	8.3	146.	8.8
11	145.	12.9	178.	7.6	145.	62.6	145.	8.2	145.	9.1
12	138.	13.6	176.	7.7	138.	59.4	138.	8.1	138.	9.3
13	140.	14.4	178.	7.8	139.	56.9	139.	8.1	139.	9.8
14	140.	15.1	178.	7.8	139.	54.9	139.	8.1	139.	10.1
15	141.	15.6	179.	7.7	140.	53.8	140.	8.1	140.	10.4
16	145.	16.4	180.	7.7	144.	52.5	144.	8.3	144.	10.9
17	147.	16.4	179.	7.9	146.	53.1	146.	8.5	146.	11.0
18	149.	15.7	180.	8.0	147.	56.7	147.	8.8	147.	10.8
19	147.	14.6	180.	8.1	145.	61.1	145.	9.0	145.	10.5
20	149.	13.8	180.	8.1	147.	65.0	147.	9.2	147.	10.3
21	152.	13.1	181.	7.8	150.	67.6	150.	9.2	150.	10.0
22	149.	12.5	181.	7.7	147.	69.6	147.	9.2	147.	9.7
23	147.	12.1	180.	7.7	145.	71.5	145.	9.2	145.	9.5
24	148.	11.6	181.	7.5	146.	72.1	146.	9.0	146.	9.1
HOURLY MEAN		12.5		7.6		66.9		8.6		9.2
AVG DAILY MAX		17.9		10.2		82.4		10.4		12.5
AVG DAILY MIN		8.8		4.7		51.4		7.8		7.0
ABSOLUTE MAX		40.7		25.5		100.0		23.0		26.5
ABSOLUTE MIN		-17.4		-25.6		20.3		0.6		-18.4
TOTAL OBS	3483		4287		3453		3453		3453	

B25

PROGRAM: WETTEMP
 VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JAN-DEC 1995

JAN-DEC HOUR AVERAGES FOR THE PERIOD 1/ 1/95 TO 12/31/95

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER		NUMBER		NUMBER		NUMBER		NUMBER	
	OBS	(DEG C)	OBS	(DEG C)	OBS	(%)	OBS	(GM/M3)	OBS	(DEG C)
1	312.	8.6	358.	4.6	310.	71.7	310.	7.5	310.	6.3
2	312.	8.2	358.	4.5	310.	72.7	310.	7.4	310.	6.0
3	310.	7.8	357.	4.4	308.	73.6	308.	7.3	308.	5.7
4	306.	7.4	356.	4.2	304.	74.4	304.	7.2	304.	5.4
5	304.	7.0	355.	4.0	302.	75.2	302.	7.1	302.	5.1
6	305.	6.8	355.	3.9	303.	75.9	303.	7.0	303.	4.9
7	306.	6.8	355.	3.9	305.	75.3	305.	7.0	305.	4.9
8	303.	6.9	355.	4.0	302.	73.5	302.	6.9	302.	4.9
9	303.	8.0	354.	4.3	301.	70.2	301.	7.0	301.	5.5
10	308.	9.4	356.	4.5	307.	65.5	307.	7.0	307.	6.3
11	307.	10.4	356.	4.5	306.	61.3	306.	6.9	306.	6.7
12	304.	11.2	354.	4.5	303.	58.3	303.	6.9	303.	7.1
13	306.	12.0	355.	4.6	304.	55.8	304.	6.9	304.	7.6
14	307.	12.9	357.	4.7	305.	53.6	305.	6.9	305.	8.0
15	308.	13.4	358.	4.7	306.	52.5	306.	6.9	306.	8.3
16	310.	13.9	359.	4.7	308.	51.5	308.	7.0	308.	8.7
17	316.	14.0	358.	4.8	314.	52.0	314.	7.1	314.	8.8
18	321.	13.6	360.	4.9	319.	54.4	319.	7.4	319.	8.7
19	318.	12.6	360.	5.0	316.	57.9	316.	7.5	316.	8.3
20	317.	11.7	359.	5.0	315.	61.7	315.	7.6	315.	8.0
21	319.	10.8	360.	4.9	317.	64.7	317.	7.7	317.	7.6
22	317.	10.2	360.	4.9	314.	66.9	314.	7.6	314.	7.2
23	313.	9.6	359.	4.8	310.	68.9	310.	7.6	310.	6.9
24	312.	9.1	359.	4.7	309.	70.2	309.	7.5	309.	6.6
HOURLY MEAN		10.1		4.5		64.9		7.2		6.8
AVG DAILY MAX		15.4		7.4		80.0		8.8		10.2
AVG DAILY MIN		6.4		1.8		50.2		6.5		4.6
ABSOLUTE MAX		40.7		25.5		100.0		23.0		26.5
ABSOLUTE MIN		-21.1		-25.6		19.0		0.6		-21.4
TOTAL OBS	7444		8573		7398		7398		7398	

B26

Wind Direction Frequencies

10-Meter Level

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JAN-MAR 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JANUARY

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	12.9	9.7	0.0	0.0	0.0	6.5	9.7	6.5	6.5	9.7	0.0	0.0	6.5	0.0	16.1	16.1	0.0	100.
2	9.7	3.2	0.0	0.0	0.0	6.5	6.5	9.7	12.9	3.2	0.0	6.5	3.2	0.0	19.4	19.4	0.0	100.
3	9.7	3.2	3.2	0.0	0.0	3.2	9.7	0.0	16.1	3.2	3.2	6.5	0.0	3.2	19.4	19.4	0.0	100.
4	6.5	3.2	3.2	0.0	0.0	9.7	3.2	0.0	19.4	0.0	9.7	0.0	0.0	6.5	19.4	19.4	0.0	100.
5	16.1	0.0	3.2	3.2	0.0	9.7	6.5	3.2	9.7	0.0	3.2	3.2	0.0	9.7	16.1	16.1	0.0	100.
6	3.2	3.2	0.0	0.0	3.2	6.5	12.9	3.2	3.2	6.5	3.2	0.0	6.5	16.1	16.1	16.1	0.0	100.
7	6.7	3.3	0.0	0.0	6.7	3.3	10.0	6.7	6.7	6.7	6.7	3.3	6.7	3.3	10.0	20.0	0.0	100.
8	3.3	3.3	3.3	0.0	3.3	6.7	16.7	3.3	10.0	3.3	3.3	0.0	6.7	6.7	10.0	20.0	0.0	100.
9	13.3	6.7	0.0	0.0	3.3	3.3	16.7	6.7	6.7	0.0	3.3	3.3	3.3	0.0	16.7	16.7	0.0	100.
10	12.9	6.5	0.0	0.0	3.2	0.0	22.6	3.2	9.7	0.0	3.2	3.2	6.5	0.0	12.9	16.1	0.0	100.
11	12.9	0.0	3.2	0.0	3.2	3.2	19.4	0.0	6.5	3.2	3.2	0.0	12.9	0.0	19.4	12.9	0.0	100.
12	19.4	0.0	0.0	0.0	3.2	6.5	12.9	3.2	6.5	3.2	0.0	3.2	9.7	6.5	19.4	6.5	0.0	100.
13	3.2	6.5	3.2	3.2	0.0	6.5	12.9	3.2	6.5	3.2	0.0	6.5	3.2	12.9	16.1	12.9	0.0	100.
14	9.7	6.5	0.0	3.2	0.0	6.5	9.7	6.5	3.2	6.5	0.0	3.2	9.7	12.9	9.7	12.9	0.0	100.
15	9.7	3.2	0.0	3.2	0.0	0.0	19.4	0.0	3.2	9.7	0.0	6.5	12.9	3.2	16.1	12.9	0.0	100.
16	9.7	0.0	0.0	3.2	3.2	3.2	12.9	0.0	3.2	9.7	0.0	3.2	9.7	3.2	22.6	16.1	0.0	100.
17	3.2	6.5	3.2	0.0	3.2	0.0	12.9	3.2	9.7	3.2	0.0	0.0	6.5	12.9	16.1	19.4	0.0	100.
18	12.9	6.5	3.2	0.0	3.2	3.2	9.7	6.5	6.5	0.0	0.0	3.2	6.5	9.7	16.1	12.9	0.0	100.
19	9.7	3.2	3.2	0.0	0.0	6.5	9.7	6.5	6.5	3.2	6.5	0.0	3.2	3.2	19.4	19.4	0.0	100.
20	9.7	6.5	3.2	0.0	0.0	6.5	9.7	0.0	12.9	3.2	3.2	3.2	3.2	0.0	19.4	19.4	0.0	100.
21	9.7	3.2	3.2	3.2	0.0	0.0	16.1	3.2	9.7	6.5	3.2	3.2	9.7	0.0	12.9	16.1	0.0	100.
22	9.7	3.2	0.0	3.2	3.2	3.2	9.7	9.7	16.1	3.2	0.0	3.2	0.0	3.2	16.1	16.1	0.0	100.
23	9.7	3.2	3.2	0.0	0.0	3.2	9.7	19.4	9.7	0.0	0.0	3.2	0.0	3.2	19.4	16.1	0.0	100.
24	3.2	6.5	3.2	0.0	3.2	3.2	6.5	16.1	16.1	0.0	0.0	3.2	0.0	3.2	22.6	12.9	0.0	100.
ALL	9.4	4.0	1.8	0.9	1.8	4.5	11.9	5.0	9.0	3.6	2.2	2.8	5.3	5.0	16.7	16.1	0.0	100.

NUMBER OF OBS = 741

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JAN-MAR 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

FEBRUARY

HR. OF DAY	WIND DIRECTION																CALM	TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW			
1	17.9	3.6	0.0	0.0	0.0	3.6	3.6	7.1	3.6	17.9	10.7	0.0	0.0	3.6	10.7	17.9	0.0	100.	
2	10.7	10.7	0.0	0.0	0.0	3.6	3.6	0.0	3.6	14.3	10.7	3.6	3.6	7.1	10.7	17.9	0.0	100.	
3	14.3	0.0	0.0	0.0	0.0	0.0	3.6	3.6	17.9	7.1	17.9	0.0	3.6	10.7	10.7	10.7	0.0	100.	
4	14.3	0.0	0.0	0.0	0.0	3.6	7.1	3.6	3.6	10.7	7.1	0.0	3.6	7.1	21.4	17.9	0.0	100.	
5	10.7	0.0	0.0	3.6	0.0	0.0	3.6	0.0	7.1	14.3	10.7	0.0	0.0	3.6	17.9	28.6	0.0	100.	
6	14.8	0.0	0.0	0.0	0.0	0.0	7.4	0.0	14.8	7.4	7.4	0.0	0.0	0.0	22.2	25.9	0.0	100.	
7	14.8	0.0	0.0	0.0	0.0	0.0	3.7	0.0	18.5	18.5	0.0	3.7	0.0	0.0	11.1	29.6	0.0	100.	
8	18.5	0.0	0.0	0.0	0.0	0.0	7.4	11.1	7.4	11.1	3.7	0.0	0.0	7.4	14.8	18.5	0.0	100.	
9	14.3	0.0	10.7	0.0	0.0	0.0	3.6	7.1	25.0	7.1	0.0	3.6	0.0	0.0	14.3	14.3	0.0	100.	
10	7.1	7.1	3.6	3.6	3.6	0.0	3.6	3.6	25.0	7.1	3.6	0.0	3.6	0.0	3.6	25.0	0.0	100.	
11	10.7	10.7	0.0	0.0	0.0	3.6	3.6	0.0	14.3	14.3	17.9	0.0	0.0	0.0	7.1	17.9	0.0	100.	
12	10.7	3.6	3.6	0.0	0.0	7.1	7.1	7.1	14.3	17.9	0.0	0.0	3.6	0.0	3.6	21.4	0.0	100.	
13	10.7	7.1	0.0	0.0	0.0	7.1	14.3	3.6	10.7	7.1	7.1	0.0	7.1	0.0	7.1	17.9	0.0	100.	
14	7.1	3.6	3.6	0.0	3.6	0.0	7.1	10.7	7.1	10.7	7.1	7.1	0.0	0.0	14.3	17.9	0.0	100.	
15	7.1	0.0	3.6	0.0	3.6	0.0	21.4	0.0	7.1	10.7	7.1	0.0	10.7	0.0	7.1	21.4	0.0	100.	
16	10.7	0.0	3.6	3.6	7.1	3.6	7.1	3.6	3.6	14.3	0.0	3.6	10.7	0.0	14.3	14.3	0.0	100.	
17	14.3	0.0	7.1	0.0	7.1	0.0	3.6	7.1	3.6	10.7	14.3	0.0	3.6	0.0	14.3	14.3	0.0	100.	
18	7.1	7.1	0.0	0.0	3.6	3.6	3.6	3.6	17.9	10.7	0.0	3.6	0.0	0.0	10.7	28.6	0.0	100.	
19	7.1	7.1	0.0	0.0	3.6	3.6	3.6	3.6	17.9	14.3	7.1	0.0	0.0	3.6	3.6	25.0	0.0	100.	
20	7.1	10.7	0.0	0.0	3.6	3.6	7.1	7.1	10.7	17.9	7.1	0.0	3.6	0.0	3.6	17.9	0.0	100.	
21	10.7	7.1	3.6	0.0	3.6	0.0	7.1	3.6	17.9	7.1	7.1	3.6	0.0	0.0	3.6	7.1	17.9	0.0	100.
22	3.6	14.3	0.0	0.0	0.0	3.6	3.6	7.1	17.9	7.1	3.6	0.0	0.0	14.3	0.0	21.4	3.6	100.	
23	21.4	3.6	0.0	3.6	0.0	0.0	3.6	3.6	17.9	21.4	0.0	0.0	0.0	7.1	3.6	14.3	0.0	100.	
24	21.4	0.0	3.6	0.0	0.0	3.6	3.6	7.1	3.6	21.4	7.1	0.0	3.6	7.1	0.0	17.9	0.0	100.	
ALL	12.0	4.0	1.8	0.6	1.6	2.1	6.0	4.3	12.1	12.6	6.6	1.2	2.2	3.3	9.7	19.7	0.1	100.	

NUMBER OF OBS = 669

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NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JAN-MAR 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

MARCH

HR. OF DAY	WIND DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		CALM
1	12.9	5.5	3.2	0.0	9.7	3.2	9.7	9.7	12.9	0.0	0.0	3.2	3.2	0.0	6.5	19.4	0.0	100.
2	9.7	5.2	3.2	6.5	3.2	0.0	9.7	12.9	12.9	0.0	3.2	3.2	0.0	6.5	12.9	9.7	3.2	100.
3	6.5	9.7	3.2	0.0	6.5	0.0	9.7	6.5	9.7	6.5	0.0	3.2	3.2	9.7	12.9	9.7	3.2	100.
4	12.9	3.2	3.2	6.5	3.2	0.0	6.5	12.9	9.7	0.0	3.2	0.0	6.5	9.7	9.7	12.9	0.0	100.
5	9.7	6.5	0.0	0.0	9.7	3.2	12.9	12.9	6.5	3.2	0.0	0.0	3.2	12.9	9.7	9.7	0.0	100.
6	12.9	6.5	0.0	0.0	3.2	9.7	19.4	6.5	6.5	0.0	0.0	0.0	6.5	3.2	16.1	9.7	0.0	100.
7	16.1	3.2	0.0	0.0	3.2	9.7	16.1	9.7	6.5	3.2	0.0	0.0	3.2	6.5	16.1	6.5	0.0	100.
8	9.7	6.5	3.2	0.0	0.0	6.5	19.4	16.1	3.2	3.2	0.0	0.0	3.2	6.5	12.9	9.7	0.0	100.
9	12.9	3.2	6.5	0.0	3.2	6.5	19.4	3.2	9.7	6.5	0.0	0.0	3.2	0.0	12.9	12.9	0.0	100.
10	12.9	3.2	3.2	0.0	0.0	12.9	19.4	0.0	9.7	6.5	0.0	3.2	3.2	3.2	9.7	12.9	0.0	100.
11	9.7	3.2	3.2	0.0	0.0	6.5	16.1	9.7	6.5	9.7	0.0	0.0	3.2	9.7	9.7	12.9	0.0	100.
12	9.7	6.5	0.0	3.2	3.2	3.2	16.1	6.5	12.9	6.5	0.0	0.0	0.0	6.5	22.6	3.2	0.0	100.
13	16.7	0.0	0.0	3.3	0.0	3.3	6.7	10.0	10.0	13.3	0.0	0.0	0.0	10.0	16.7	10.0	0.0	100.
14	12.9	6.5	3.2	0.0	0.0	0.0	9.7	9.7	16.1	9.7	0.0	3.2	0.0	6.5	12.9	9.7	0.0	100.
15	19.4	0.0	0.0	3.2	0.0	6.5	6.5	6.5	12.9	6.5	3.2	3.2	3.2	6.5	12.9	9.7	0.0	100.
16	9.7	3.2	3.2	0.0	0.0	3.2	12.9	6.5	9.7	12.9	3.2	0.0	0.0	12.9	16.1	6.5	0.0	100.
17	16.1	6.5	3.2	3.2	0.0	3.2	6.5	0.0	19.4	12.9	0.0	0.0	0.0	6.5	16.1	6.5	0.0	100.
18	12.9	9.7	0.0	0.0	6.5	9.7	3.2	3.2	9.7	3.2	6.5	6.5	0.0	6.5	9.7	12.9	0.0	100.
19	19.4	9.7	0.0	3.2	3.2	6.5	3.2	9.7	3.2	3.2	3.2	3.2	0.0	6.5	9.7	16.1	0.0	100.
20	12.9	12.9	3.2	0.0	6.5	6.5	3.2	3.2	12.9	0.0	6.5	0.0	0.0	6.5	9.7	16.1	0.0	100.
21	6.5	3.2	3.2	9.7	3.2	6.5	0.0	6.5	12.9	3.2	3.2	0.0	3.2	3.2	19.4	16.1	0.0	100.
22	6.5	3.2	6.5	6.5	0.0	6.5	9.7	3.2	12.9	6.5	0.0	3.2	0.0	3.2	12.9	19.4	0.0	100.
23	9.7	3.2	9.7	12.9	0.0	3.2	6.5	3.2	16.1	3.2	0.0	3.2	0.0	3.2	19.4	6.5	0.0	100.
24	6.5	3.2	12.9	6.5	6.5	6.5	3.2	9.7	9.7	6.5	0.0	3.2	0.0	3.2	12.9	9.7	0.0	100.
ALL	11.8	5.1	3.1	2.7	3.0	5.1	10.2	7.4	10.5	5.2	1.3	1.6	1.9	6.2	13.3	11.2	0.3	100.

NUMBER OF OBS = 743

B30

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JAN-MAR 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JAN-MAR

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	14.4	6.7	1.1	0.0	3.3	4.4	7.8	7.8	7.8	8.9	3.3	1.1	3.3	1.1	11.1	17.8	0.0	100.
2	10.0	5.6	1.1	2.2	1.1	3.3	6.7	7.8	10.0	5.6	4.4	4.4	2.2	4.4	14.4	15.6	1.1	100.
3	10.0	4.4	2.2	0.0	2.2	1.1	7.8	3.3	14.4	5.6	6.7	3.3	2.2	7.8	14.4	13.3	1.1	100.
4	11.1	2.2	2.2	2.2	1.1	4.4	5.6	5.6	11.1	3.3	6.7	0.0	3.3	7.8	16.7	16.7	0.0	100.
5	12.2	2.2	1.1	2.2	3.3	4.4	7.8	5.6	7.8	5.6	4.4	1.1	1.1	8.9	14.4	17.8	0.0	100.
6	10.1	3.4	0.0	0.0	2.2	5.6	13.5	3.4	7.9	4.5	3.4	0.0	4.5	6.7	18.0	16.9	0.0	100.
7	12.5	2.3	0.0	0.0	3.4	4.5	10.2	5.7	10.2	9.1	2.3	2.3	3.4	3.4	12.5	18.2	0.0	100.
8	10.2	3.4	2.3	0.0	1.1	4.5	14.8	10.2	6.8	5.7	2.3	0.0	3.4	6.8	12.5	15.9	0.0	100.
9	13.5	3.4	5.6	0.0	2.2	3.4	13.5	5.6	13.5	4.5	1.1	2.2	2.2	0.0	14.6	14.6	0.0	100.
10	11.1	5.6	2.2	1.1	2.2	4.4	15.6	2.2	14.4	4.4	2.2	2.2	4.4	1.1	8.9	17.8	0.0	100.
11	11.1	4.4	2.2	0.0	1.1	4.4	13.3	3.3	8.9	8.9	6.7	0.0	5.6	3.3	12.2	14.4	0.0	100.
12	13.3	3.3	1.1	1.1	2.2	5.6	12.2	5.6	11.1	8.9	0.0	1.1	4.4	4.4	15.6	10.0	0.0	100.
13	10.1	4.5	1.1	2.2	0.0	5.6	11.2	5.6	9.0	7.9	2.2	2.2	3.4	7.9	13.5	13.5	0.0	100.
14	10.0	5.6	2.2	1.1	1.1	2.2	8.9	8.9	8.9	8.9	2.2	4.4	3.2	6.7	12.2	13.3	0.0	100.
15	12.2	1.1	1.1	2.2	1.1	2.2	15.6	2.2	7.8	8.9	3.3	3.3	8.9	3.3	12.2	14.4	0.0	100.
16	10.0	1.1	2.2	2.2	3.3	3.3	11.1	3.3	5.6	12.2	1.1	2.2	6.7	5.6	17.8	12.2	0.0	100.
17	11.1	4.4	4.4	1.1	3.3	1.1	7.8	3.3	11.1	8.9	4.4	0.0	2.2	7.8	15.6	13.3	0.0	100.
18	11.1	7.8	1.1	0.0	4.4	5.6	5.6	4.4	11.1	4.4	2.2	4.4	2.2	5.6	12.2	17.8	0.0	100.
19	12.2	6.7	1.1	1.1	2.2	5.6	5.6	6.7	8.9	6.7	5.6	1.1	1.1	4.4	11.1	20.0	0.0	100.
20	10.0	10.0	2.2	0.0	3.3	5.6	6.7	3.3	12.2	6.7	5.6	1.1	2.2	2.2	11.1	17.8	0.0	100.
21	8.9	4.4	3.3	4.4	2.2	2.2	7.8	4.4	13.3	5.6	4.4	2.2	4.4	2.2	13.3	16.7	0.0	100.
22	6.7	6.7	2.2	3.3	1.1	4.4	7.8	6.7	15.6	5.6	1.1	2.2	0.0	6.7	10.0	18.9	1.1	100.
23	13.3	3.3	4.4	5.6	0.0	2.2	6.7	8.9	14.4	7.8	0.0	2.2	0.0	4.4	14.4	12.2	0.0	100.
24	10.0	3.3	6.7	2.2	3.3	4.4	4.4	11.1	10.0	8.9	2.2	2.2	1.1	4.4	12.2	13.3	0.0	100.
ALL	11.1	4.4	2.2	1.4	2.1	3.9	9.5	5.6	10.5	7.0	3.3	1.9	3.2	4.9	13.4	15.5	0.1	100.

NUMBER OF OBS = 2153

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION APR-JUN 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

APRIL

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	13.8	10.3	10.3	10.3	3.4	3.4	6.9	6.9	6.9	0.0	0.0	3.4	0.0	6.9	10.3	6.9	0.0	100.
2	20.7	3.4	3.4	10.3	3.4	6.9	6.9	6.9	6.9	3.4	3.4	6.9	0.0	3.4	6.9	6.9	0.0	100.
3	17.2	10.3	6.9	3.4	6.9	3.4	13.8	6.9	3.4	0.0	0.0	3.4	6.9	10.3	6.9	0.0	0.0	100.
4	10.3	17.2	3.4	6.9	6.9	0.0	6.9	10.3	10.3	0.0	0.0	0.0	6.9	6.9	10.3	3.4	0.0	100.
5	10.3	17.2	6.9	10.3	0.0	3.4	3.4	17.2	3.4	3.4	0.0	3.4	3.4	3.4	13.8	0.0	0.0	100.
6	6.9	10.3	6.9	10.3	6.9	0.0	6.9	13.8	3.4	6.9	0.0	0.0	6.9	3.4	13.8	3.4	0.0	100.
7	13.8	0.0	10.3	6.9	13.8	0.0	0.0	10.3	6.9	3.4	3.4	3.4	6.9	6.9	3.4	10.3	0.0	100.
8	20.7	10.3	0.0	3.4	13.8	6.9	3.4	6.9	6.9	0.0	3.4	3.4	6.9	3.4	3.4	6.9	0.0	100.
9	13.8	17.2	3.4	6.9	0.0	10.3	0.0	3.4	13.8	6.9	0.0	6.9	6.9	3.4	0.0	6.9	0.0	100.
10	6.9	17.2	17.2	0.0	0.0	0.0	10.3	6.9	13.8	0.0	0.0	6.9	3.4	10.3	0.0	6.9	0.0	100.
11	14.3	17.9	10.7	3.6	3.6	0.0	3.6	3.6	17.9	3.6	3.6	3.6	3.6	7.1	3.6	0.0	0.0	100.
12	3.6	0.0	17.9	17.9	3.6	0.0	0.0	7.1	7.1	7.1	7.1	3.6	3.6	10.7	3.6	7.1	0.0	100.
13	10.7	0.0	3.6	21.4	7.1	0.0	0.0	7.1	7.1	3.6	10.7	3.6	7.1	7.1	3.6	7.1	0.0	100.
14	6.9	3.4	10.3	13.8	3.4	3.4	0.0	6.9	3.4	10.3	10.3	3.4	3.4	10.3	3.4	3.4	0.0	100.
15	6.9	6.9	10.3	17.2	3.4	0.0	0.0	6.9	6.9	6.9	6.9	6.9	3.4	10.3	3.4	3.4	0.0	100.
16	3.4	3.4	13.8	10.3	10.3	0.0	3.4	3.4	6.9	6.9	6.9	3.4	6.9	13.8	0.0	6.9	0.0	100.
17	3.4	3.4	6.9	10.3	10.3	3.4	0.0	13.8	0.0	6.9	6.9	6.9	0.0	10.3	10.3	6.9	0.0	100.
18	6.9	3.4	10.3	13.8	3.4	6.9	3.4	6.9	3.4	3.4	6.9	0.0	10.3	3.4	10.3	6.9	0.0	100.
19	6.9	3.4	10.3	10.3	6.9	0.0	3.4	13.8	3.4	10.3	0.0	3.4	3.4	10.3	6.9	6.9	0.0	100.
20	3.4	0.0	17.2	19.3	3.4	0.0	6.9	6.9	3.4	13.8	3.4	0.0	3.4	10.3	6.9	10.3	0.0	100.
21	6.9	6.9	13.8	10.3	0.0	0.0	6.9	6.9	6.9	10.3	3.4	6.9	3.4	6.9	6.9	3.4	0.0	100.
22	10.3	6.9	13.8	0.0	6.9	0.0	6.9	10.3	3.4	3.4	10.3	0.0	0.0	13.8	3.4	10.3	0.0	100.
23	10.3	6.9	10.3	6.9	3.4	0.0	6.9	6.9	6.9	6.9	6.9	0.0	0.0	6.9	3.4	17.2	0.0	100.
24	27.6	6.9	10.3	3.4	3.4	6.9	3.4	10.3	0.0	3.4	3.4	0.0	3.4	3.4	13.8	0.0	0.0	100.
25	10.7	7.6	9.5	9.1	5.2	2.3	4.3	8.4	6.3	5.1	4.0	3.3	4.2	7.6	6.2	6.1	0.0	100.

NUMBER OF OBS = 693

B32

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION APR-JUN 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

MAY

HR. OF DAY	WIND DIRECTION																	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	9.7	3.2	0.0	0.0	6.5	19.4	3.2	12.9	12.9	0.0	6.5	3.2	3.2	6.5	9.7	3.2	0.0	100.
2	12.9	6.5	0.0	3.2	12.9	3.2	12.9	6.5	6.5	6.5	0.0	3.2	0.0	6.5	9.7	9.7	0.0	100.
3	16.1	6.5	3.2	0.0	9.7	6.5	9.7	6.5	16.1	3.2	3.2	0.0	3.2	3.2	3.2	9.7	0.0	100.
4	9.7	9.7	0.0	0.0	3.2	16.1	6.5	12.9	9.7	0.0	3.2	0.0	3.2	9.7	12.9	3.2	0.0	100.
5	9.7	9.7	0.0	6.5	9.7	12.9	16.1	9.7	0.0	0.0	3.2	3.2	3.2	0.0	9.7	6.5	0.0	100.
6	9.7	6.5	3.2	0.0	3.2	12.9	12.9	16.1	9.7	6.5	0.0	0.0	3.2	0.0	6.5	9.7	0.0	100.
7	3.2	16.1	3.2	3.2	3.2	19.4	0.0	12.9	6.5	6.5	3.2	3.2	3.2	0.0	3.2	12.9	0.0	100.
8	12.9	12.9	6.5	0.0	0.0	19.4	9.7	9.7	12.9	0.0	0.0	0.0	0.0	6.5	3.2	6.5	0.0	100.
9	6.5	12.9	9.7	3.2	0.0	12.9	16.1	12.9	9.7	0.0	0.0	0.0	0.0	3.2	6.5	6.5	0.0	100.
10	9.7	16.1	9.7	0.0	3.2	16.1	9.7	3.2	12.9	6.5	0.0	0.0	0.0	3.2	3.2	6.5	0.0	100.
11	12.9	9.7	9.7	3.2	0.0	6.5	22.6	9.7	6.5	6.5	3.2	0.0	0.0	3.2	3.2	3.2	0.0	100.
12	6.5	9.7	12.9	0.0	6.5	3.2	16.1	9.7	6.5	9.7	3.2	0.0	0.0	3.2	6.5	6.5	0.0	100.
13	12.9	6.5	9.7	0.0	6.5	6.5	16.1	3.2	9.7	12.9	0.0	3.2	0.0	3.2	6.5	3.2	0.0	100.
14	3.2	0.0	9.7	3.2	3.2	3.2	22.6	6.5	12.9	6.5	0.0	6.5	0.0	3.2	3.2	16.1	0.0	100.
15	6.5	9.7	6.5	0.0	3.2	3.2	16.1	16.1	6.5	9.7	0.0	6.5	0.0	3.2	6.5	6.5	0.0	100.
16	6.5	6.5	9.7	3.2	3.2	6.5	6.5	16.1	16.1	3.2	3.2	6.5	3.2	3.2	3.2	3.2	0.0	100.
17	9.7	6.5	6.5	0.0	3.2	9.7	16.1	9.7	9.7	6.5	3.2	3.2	3.2	3.2	3.2	6.5	0.0	100.
18	3.2	9.7	3.2	3.2	0.0	16.1	9.7	9.7	9.7	12.9	0.0	6.5	0.0	3.2	6.5	6.5	0.0	100.
19	3.2	3.2	6.5	3.2	6.5	16.1	6.5	6.5	9.7	6.5	6.5	3.2	6.5	0.0	12.9	3.2	0.0	100.
20	3.2	3.2	9.7	0.0	0.0	25.8	3.2	12.9	0.0	3.2	6.5	3.2	9.7	3.2	12.9	3.2	0.0	100.
21	6.5	6.5	3.2	3.2	0.0	19.4	6.5	3.2	12.9	6.5	3.2	6.5	3.2	3.2	9.7	6.5	0.0	100.
22	6.5	6.5	3.2	0.0	6.5	9.7	12.9	0.0	9.7	12.9	0.0	6.5	6.5	3.2	6.5	9.7	0.0	100.
23	16.1	3.2	3.2	0.0	6.5	12.9	6.5	3.2	3.2	19.4	3.2	3.2	3.2	6.5	9.7	0.0	0.0	100.
24	6.5	9.7	3.2	0.0	0.0	12.9	9.7	9.7	9.7	0.0	3.2	9.7	3.2	12.9	6.5	3.2	0.0	100.
ALL	8.5	7.9	5.5	1.5	4.0	12.1	11.2	9.1	9.1	6.0	2.3	3.2	2.4	3.9	6.9	6.3	0.0	100.

NUMBER OF OBS = 744

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION APR-JUN 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JUNE

HR. OF DAY	WIND DIRECTION																CALM	TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NNW				
1	3.4	3.4	0.0	3.4	0.0	6.9	3.4	10.3	13.8	6.9	0.0	0.0	3.4	6.9	3.4	34.5	0.0	100.	
2	3.4	3.4	0.0	3.4	3.4	3.4	0.0	20.7	6.9	10.3	3.4	0.0	0.0	6.9	20.7	13.8	0.0	100.	
3	3.4	6.9	3.4	0.0	3.4	3.4	3.4	3.4	6.9	17.2	13.8	3.4	3.4	0.0	3.4	10.3	17.2	0.0	100.
4	6.9	3.4	0.0	3.4	3.4	3.4	6.9	17.2	17.2	10.3	3.4	0.0	0.0	3.4	6.9	13.8	0.0	100.	
5	3.4	3.4	3.4	0.0	0.0	3.4	6.9	13.8	13.8	13.8	0.0	3.4	0.0	6.9	10.3	17.2	0.0	100.	
6	16.7	0.0	0.0	6.7	0.0	3.3	3.3	20.0	10.0	6.7	0.0	0.0	3.3	6.7	6.7	16.7	0.0	100.	
7	0.0	6.7	0.0	0.0	3.3	3.3	3.3	26.7	6.7	3.3	6.7	0.0	3.3	10.0	6.7	20.0	0.0	100.	
8	10.0	3.3	0.0	0.0	6.7	0.0	10.0	10.0	16.7	6.7	0.0	0.0	3.3	6.7	6.7	20.0	0.0	100.	
9	16.7	3.3	3.3	3.3	0.0	10.0	3.3	6.7	6.7	20.0	0.0	0.0	0.0	3.3	6.7	16.7	0.0	100.	
10	16.7	3.3	3.3	0.0	3.3	10.0	6.7	3.3	6.7	23.3	0.0	0.0	0.0	3.3	3.3	16.7	0.0	100.	
11	10.0	6.7	6.7	3.3	3.3	10.0	13.3	0.0	0.0	23.3	0.0	0.0	3.3	0.0	3.3	16.7	0.0	100.	
12	13.3	3.3	3.3	0.0	3.3	0.0	23.3	3.3	6.7	16.7	0.0	0.0	0.0	3.3	3.3	20.0	0.0	100.	
13	13.3	6.7	0.0	0.0	0.0	0.0	20.0	6.7	13.3	13.3	0.0	0.0	0.0	0.0	10.0	16.7	0.0	100.	
14	13.3	0.0	0.0	0.0	0.0	3.3	13.3	6.7	20.0	6.7	3.3	0.0	0.0	0.0	10.0	23.3	0.0	100.	
15	13.3	0.0	0.0	0.0	0.0	3.3	13.3	6.7	26.7	0.0	0.0	0.0	0.0	0.0	6.7	30.0	0.0	100.	
16	13.3	0.0	3.3	0.0	3.3	3.3	10.0	10.0	23.3	3.3	0.0	0.0	0.0	0.0	3.3	26.7	0.0	100.	
17	20.0	3.3	0.0	0.0	0.0	3.3	6.7	23.3	10.0	6.7	0.0	0.0	0.0	0.0	3.3	23.3	0.0	100.	
18	20.0	3.3	0.0	0.0	0.0	0.0	10.0	16.7	16.7	6.7	0.0	0.0	0.0	3.3	3.3	20.0	0.0	100.	
19	10.0	3.3	0.0	0.0	0.0	0.0	10.0	16.7	20.0	6.7	0.0	0.0	0.0	0.0	6.7	26.7	0.0	100.	
20	6.9	0.0	3.4	3.4	0.0	0.0	10.3	13.8	24.1	3.4	0.0	0.0	0.0	0.0	6.9	27.6	0.0	100.	
21	10.3	3.4	0.0	0.0	0.0	3.4	10.3	17.2	6.9	6.9	0.0	0.0	0.0	0.0	10.3	31.0	0.0	100.	
22	6.7	0.0	3.3	0.0	0.0	0.0	6.7	13.3	16.7	6.7	3.3	0.0	0.0	3.3	16.7	23.3	0.0	100.	
23	10.0	0.0	0.0	0.0	3.3	3.3	6.7	6.7	20.0	6.7	0.0	0.0	3.3	3.3	10.0	26.7	0.0	100.	
24	3.4	0.0	0.0	3.4	0.0	3.4	6.9	3.4	20.7	6.9	3.4	3.4	0.0	3.4	13.8	27.6	0.0	100.	
ALL	10.3	2.8	1.4	1.3	1.5	3.4	8.7	11.7	14.2	9.6	1.1	0.4	0.8	3.1	7.9	21.9	0.0	100.	

NUMBER OF OBS = 712

B34

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION APR-JUN 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

APR-JUN

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	9.0	5.6	3.4	4.5	3.4	10.1	4.5	10.1	11.2	2.2	2.2	2.2	2.2	6.7	7.9	14.6	0.0	100.
2	12.4	4.5	1.1	5.6	6.7	4.5	6.7	11.2	6.7	6.7	2.2	3.4	0.0	5.6	12.4	10.1	0.0	100.
3	12.4	7.9	4.5	1.1	6.7	4.5	9.0	6.7	12.4	5.6	2.2	2.2	3.4	5.6	6.7	9.0	0.0	100.
4	9.0	10.1	1.1	3.4	4.5	6.7	6.7	13.5	12.4	3.4	2.2	0.0	3.4	6.7	10.1	6.7	0.0	100.
5	7.9	10.1	3.4	5.6	3.4	6.7	9.0	13.5	5.6	5.6	1.1	3.4	2.2	3.4	11.2	7.9	0.0	100.
6	11.1	5.6	3.3	5.6	3.3	5.6	7.8	16.7	7.8	6.7	0.0	0.0	4.4	3.3	8.9	10.0	0.0	100.
7	5.6	7.8	4.4	3.3	6.7	7.8	1.1	16.7	6.7	4.4	4.4	2.2	4.4	5.6	4.4	14.4	0.0	100.
8	14.4	8.9	2.2	1.1	6.7	8.9	7.8	8.9	12.2	2.2	1.1	1.1	3.3	5.6	4.4	11.1	0.0	100.
9	12.2	11.1	5.6	4.4	0.0	11.1	6.7	7.8	10.0	8.9	0.0	2.2	2.2	3.3	4.4	10.0	0.0	100.
10	11.1	12.2	10.0	0.0	2.2	8.9	8.9	4.4	11.1	10.0	0.0	2.2	1.1	5.6	2.2	10.0	0.0	100.
11	12.4	11.2	9.0	3.4	2.2	5.6	13.5	4.5	7.9	11.2	2.2	1.1	2.2	3.4	3.4	6.7	0.0	100.
12	7.9	4.5	11.2	5.6	4.5	1.1	13.5	6.7	6.7	11.2	3.4	1.1	1.1	5.6	4.5	11.2	0.0	100.
13	12.4	4.5	4.5	6.7	4.5	2.2	12.4	5.6	10.1	10.1	3.4	2.2	2.2	3.4	6.7	9.0	0.0	100.
14	7.8	1.1	6.7	5.6	2.2	3.3	12.2	6.7	12.2	7.8	4.4	3.3	1.1	4.4	5.6	15.6	0.0	100.
15	8.9	5.6	5.6	5.6	2.2	2.2	10.0	10.0	13.3	5.6	2.2	4.4	1.1	4.4	5.6	13.3	0.0	100.
16	7.8	3.3	8.9	4.4	5.6	3.3	6.7	10.0	15.6	4.4	3.3	3.3	3.3	5.6	2.2	12.2	0.0	100.
17	11.1	4.4	4.4	3.3	4.4	5.6	7.8	15.6	6.7	6.7	3.3	3.3	1.1	4.4	5.6	12.2	0.0	100.
18	10.0	5.6	4.4	5.6	1.1	7.8	7.8	11.1	10.0	7.8	2.2	2.2	3.3	3.3	6.7	11.1	0.0	100.
19	6.7	3.3	5.6	4.4	4.4	5.6	6.7	12.2	11.1	7.8	2.2	2.2	3.3	3.3	8.9	12.2	0.0	100.
20	4.5	1.1	10.1	4.5	1.1	9.0	6.7	11.2	9.0	6.7	3.4	1.1	4.5	4.5	9.0	13.5	0.0	100.
21	7.9	5.6	5.6	4.5	0.0	7.9	7.9	9.0	9.0	7.9	2.2	4.5	2.2	3.4	9.0	13.5	0.0	100.
22	7.8	4.4	6.7	0.0	4.4	3.3	8.9	7.8	10.0	7.8	4.4	2.2	2.2	6.7	8.9	14.4	0.0	100.
23	12.2	3.3	4.4	2.2	4.4	5.6	6.7	5.6	10.0	11.1	3.3	1.1	2.2	5.6	7.8	14.4	0.0	100.
24	12.4	5.6	4.5	2.2	1.1	7.9	6.7	7.9	10.1	3.4	3.4	4.5	2.2	6.7	11.2	10.1	0.0	100.
ALL	9.8	6.1	5.4	3.9	3.6	6.0	8.1	9.7	9.9	6.9	2.5	2.3	2.5	4.8	7.6	11.4	0.0	100.

NUMBER OF OBS = 2149

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JAN-JUN 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JAN-JUN

HR. OF DAY	WIND DIRECTION																	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	11.7	6.1	2.2	2.2	3.4	7.3	6.1	8.9	9.5	5.6	2.8	1.7	2.8	3.9	9.5	16.2	0.0	100.
2	11.2	5.0	1.1	3.9	3.9	3.9	6.7	9.5	8.4	6.1	3.4	3.9	1.1	5.0	13.4	12.8	0.6	100.
3	11.2	6.1	3.4	0.6	4.5	2.8	8.4	5.0	13.4	5.6	4.5	2.8	2.8	6.7	10.6	11.2	0.6	100.
4	10.1	6.1	1.7	2.8	2.8	5.6	6.1	9.5	11.7	3.4	4.5	0.0	3.4	7.3	13.4	11.7	0.0	100.
5	10.1	6.1	2.2	3.9	3.4	5.6	8.4	9.5	6.7	5.6	2.8	2.2	1.7	6.1	12.8	12.8	0.0	100.
6	10.6	4.5	1.7	2.8	2.8	5.6	10.6	10.1	7.8	5.6	1.7	0.0	4.5	5.0	13.4	13.4	0.0	100.
7	9.0	5.1	2.2	1.7	5.1	6.2	5.6	11.2	8.4	6.7	3.4	2.2	3.9	4.5	8.4	16.3	0.0	100.
8	12.4	6.2	2.2	0.6	3.9	6.7	11.2	9.6	9.6	3.9	1.7	0.6	3.4	6.2	8.4	13.5	0.0	100.
9	12.8	7.3	5.6	2.2	1.1	7.3	13.1	6.7	11.7	6.7	0.6	2.2	2.2	1.7	9.5	12.3	0.0	100.
10	11.1	8.9	6.1	0.6	2.2	6.7	12.2	3.3	12.8	7.2	1.1	2.2	2.8	3.3	5.6	13.9	0.0	100.
11	1.7	7.8	5.6	1.7	1.7	5.0	13.4	3.9	8.4	10.1	4.5	0.6	3.9	3.4	7.8	10.6	0.0	100.
12	10.6	3.9	6.1	3.4	3.4	3.4	12.8	6.1	8.9	10.1	1.7	1.1	2.8	5.0	10.1	10.6	0.0	100.
13	11.2	4.5	2.8	4.5	2.2	3.9	11.8	5.6	9.6	9.0	2.8	2.2	2.8	5.6	10.1	11.2	0.0	100.
14	8.9	3.3	4.4	3.3	1.7	2.8	10.6	7.8	10.6	8.3	3.3	3.9	2.2	5.6	8.9	14.4	0.0	100.
15	10.6	3.3	3.3	3.9	1.7	2.2	12.8	6.1	10.6	7.2	2.8	3.9	5.0	3.9	8.9	13.9	0.0	100.
16	8.9	2.2	5.6	3.3	3.3	6.9	6.7	10.6	8.3	2.2	2.8	5.0	5.6	10.0	12.2	0.0	100.	
17	11.1	4.4	4.4	2.2	3.3	7.8	9.4	8.9	7.8	3.9	1.7	1.7	6.1	10.6	12.8	0.0	100.	
18	10.6	6.7	2.8	2.8	2.8	6.7	6.7	7.8	10.6	6.1	2.2	3.3	2.8	4.4	9.4	14.4	0.0	100.
19	9.4	5.0	3.3	2.8	3.3	5.6	6.1	9.4	10.0	7.2	3.9	1.7	2.2	3.9	10.0	16.1	0.0	100.
20	7.3	5.6	6.1	2.2	2.2	7.3	6.7	7.3	10.6	6.7	4.5	1.1	3.4	3.4	10.1	15.6	0.0	100.
21	8.4	5.0	4.5	4.5	1.1	5.0	7.8	6.7	11.2	6.7	3.4	3.4	3.4	2.8	11.2	15.1	0.0	100.
22	7.2	5.6	4.4	1.7	2.8	3.9	8.3	7.2	12.8	6.7	2.8	2.2	1.1	6.7	9.4	16.7	0.6	100.
23	12.8	3.3	4.4	3.9	2.2	3.9	6.7	7.2	12.2	9.4	1.7	1.7	1.1	5.0	11.1	13.3	0.0	100.
24	11.2	4.5	5.6	2.2	2.2	6.1	5.6	9.5	10.1	6.1	2.8	3.4	1.7	5.6	11.7	11.7	0.0	100.
ALL	10.4	5.3	3.8	2.6	2.9	5.0	8.8	7.7	10.2	6.9	2.9	2.1	2.8	4.9	10.2	13.5	0.1	100.

NUMBER OF OBS = 4302

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JUL-SEP 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JULY

HR. OF DAY	WIND DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		CALM
1	3.2	3.2	9.7	0.0	0.0	0.0	3.2	9.7	19.4	22.6	9.7	9.7	3.2	0.0	3.2	3.2	0.0	100.
2	6.5	0.0	0.0	0.0	0.0	0.0	3.2	22.6	19.4	22.6	6.5	0.0	3.2	6.5	0.0	9.7	0.0	100.
3	3.2	0.0	0.0	0.0	0.0	0.0	6.5	12.9	22.6	6.5	12.9	6.5	3.2	0.0	3.2	22.6	0.0	100.
4	6.5	3.2	0.0	0.0	0.0	0.0	9.7	9.7	19.4	22.6	3.2	9.7	0.0	0.0	0.0	16.1	0.0	100.
5	9.7	0.0	0.0	0.0	0.0	3.2	3.2	12.9	25.8	16.1	3.2	9.7	0.0	6.5	0.0	9.7	0.0	100.
6	6.5	0.0	0.0	0.0	3.2	0.0	0.0	35.5	12.9	12.9	3.2	3.2	0.0	3.2	16.1	0.0	100.	
7	9.7	3.2	0.0	3.2	0.0	3.2	6.5	16.1	16.1	16.1	3.2	0.0	3.2	3.2	9.7	6.5	0.0	100.
8	12.9	6.5	0.0	0.0	0.0	0.0	9.7	9.7	22.6	16.1	0.0	3.2	0.0	0.0	3.2	16.1	0.0	100.
9	9.7	6.5	0.0	0.0	6.5	0.0	3.2	9.7	19.4	16.1	9.7	0.0	0.0	3.2	3.2	12.9	0.0	100.
10	19.4	12.9	0.0	0.0	3.2	0.0	0.0	6.5	12.9	22.6	6.5	6.5	3.2	0.0	3.2	3.2	0.0	100.
11	19.4	3.2	3.2	0.0	0.0	3.2	0.0	6.5	19.4	22.6	6.5	6.5	6.5	0.0	0.0	3.2	0.0	100.
12	6.5	9.7	0.0	0.0	9.7	0.0	0.0	6.5	12.9	22.6	6.5	9.7	0.0	6.5	0.0	9.7	0.0	100.
13	9.7	3.2	3.2	3.2	6.5	3.2	0.0	12.9	16.1	12.9	6.5	6.5	3.2	6.5	0.0	6.5	0.0	100.
14	12.9	6.5	0.0	0.0	3.2	3.2	6.5	19.4	19.4	6.5	3.2	0.0	3.2	9.7	3.2	3.2	0.0	100.
15	3.2	3.2	6.5	0.0	0.0	6.5	6.5	3.2	35.5	0.0	6.5	0.0	6.5	6.5	6.5	9.7	0.0	100.
16	3.2	0.0	0.0	0.0	0.0	3.2	6.5	12.9	22.6	9.7	0.0	6.5	0.0	9.7	3.2	22.6	0.0	100.
17	6.7	3.3	3.3	3.3	0.0	3.3	10.0	13.3	20.0	6.7	3.3	6.7	0.0	3.3	10.0	6.7	0.0	100.
18	19.4	3.2	3.2	3.2	0.0	3.2	9.7	19.4	16.1	6.5	0.0	3.2	0.0	3.2	3.2	6.5	0.0	100.
19	6.5	3.2	6.5	6.5	3.2	3.2	9.7	25.8	12.9	0.0	0.0	0.0	0.0	0.0	12.9	9.7	0.0	100.
20	9.7	6.5	3.2	0.0	0.0	3.2	9.7	25.8	6.5	12.9	0.0	0.0	0.0	3.2	6.5	12.9	0.0	100.
21	3.2	3.2	3.2	0.0	3.2	6.5	9.7	16.1	12.9	12.9	0.0	3.2	3.2	3.2	6.5	12.9	0.0	100.
22	9.7	6.5	0.0	0.0	0.0	3.2	19.4	12.9	22.6	9.7	0.0	3.2	0.0	0.0	0.0	12.9	0.0	100.
23	0.0	0.0	0.0	0.0	3.2	0.0	9.7	19.4	12.9	25.8	3.2	0.0	3.2	0.0	0.0	22.6	0.0	100.
24	3.2	0.0	0.0	0.0	0.0	6.5	3.2	25.8	16.1	9.7	9.7	0.0	3.2	0.0	6.5	16.1	0.0	100.
ALL	8.3	3.6	1.7	0.8	1.7	2.3	6.1	15.2	18.2	13.9	4.3	3.9	2.0	3.0	3.6	11.3	0.0	100.

NUMBER OF OBS = 743

B37

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JUL-SEP 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

AUGUST

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	0.0	0.0	0.0	0.0	0.0	0.0	12.9	25.8	29.0	6.5	0.0	0.0	0.0	0.0	3.2	22.6	0.0	100.
2	6.5	3.2	0.0	0.0	3.2	0.0	9.7	22.6	22.6	12.9	0.0	3.2	0.0	0.0	6.5	9.7	0.0	100.
3	6.5	0.0	0.0	3.2	6.5	0.0	6.5	29.0	16.1	6.5	0.0	0.0	0.0	3.2	3.2	19.4	0.0	100.
4	12.9	3.2	3.2	0.0	3.2	0.0	6.5	25.8	19.4	6.5	6.5	0.0	0.0	3.2	0.0	9.7	0.0	100.
5	9.7	3.2	3.2	0.0	0.0	0.0	16.1	6.5	29.0	6.5	0.0	3.2	0.0	0.0	9.7	12.9	0.0	100.
6	12.9	3.2	0.0	0.0	0.0	0.0	6.5	22.6	22.6	9.7	0.0	3.2	0.0	6.5	3.2	9.7	0.0	100.
7	3.3	6.7	0.0	0.0	0.0	0.0	6.7	33.3	23.3	6.7	3.3	3.3	0.0	0.0	3.3	10.0	0.0	100.
8	12.9	6.5	0.0	3.2	0.0	0.0	12.9	32.3	19.4	3.2	0.0	3.2	3.2	0.0	3.2	0.0	0.0	100.
9	12.9	0.0	3.2	3.2	0.0	0.0	6.5	12.9	16.1	29.0	9.7	3.2	3.2	0.0	0.0	0.0	0.0	100.
10	9.7	0.0	0.0	6.5	3.2	0.0	6.5	25.8	25.8	19.4	0.0	0.0	0.0	3.2	0.0	0.0	0.0	100.
11	6.5	9.7	0.0	0.0	6.5	3.2	6.5	16.1	32.3	16.1	0.0	0.0	0.0	0.0	0.0	3.2	0.0	100.
12	16.1	3.2	0.0	3.2	0.0	6.5	9.7	16.1	32.3	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
13	6.5	6.5	3.2	3.2	3.2	3.2	12.9	9.7	38.7	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	100.
14	3.2	3.2	0.0	0.0	3.2	9.7	6.5	22.6	38.7	6.5	0.0	0.0	0.0	3.2	0.0	3.2	0.0	100.
15	9.7	3.2	0.0	0.0	6.5	0.0	9.7	32.3	25.8	6.5	0.0	0.0	0.0	0.0	0.0	6.5	0.0	100.
16	6.5	3.2	3.2	0.0	0.0	9.7	16.1	19.4	32.3	6.5	0.0	0.0	0.0	0.0	0.0	3.2	0.0	100.
17	9.7	3.2	0.0	3.2	3.2	0.0	22.6	25.8	25.8	3.2	0.0	0.0	0.0	0.0	0.0	3.2	0.0	100.
18	6.5	9.7	3.2	3.2	0.0	9.7	22.6	25.8	16.1	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	100.
19	6.5	0.0	9.7	0.0	0.0	6.5	29.0	25.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	100.
20	9.7	3.2	0.0	0.0	3.2	6.5	12.9	29.0	16.1	0.0	3.2	3.2	0.0	3.2	3.2	6.5	0.0	100.
21	0.0	6.5	0.0	0.0	3.2	3.2	16.1	22.6	22.6	6.5	3.2	0.0	3.2	0.0	0.0	12.9	0.0	100.
22	6.5	3.2	3.2	0.0	0.0	3.2	16.1	16.1	29.0	3.2	0.0	0.0	6.5	0.0	3.2	9.7	0.0	100.
23	9.7	3.2	0.0	0.0	0.0	3.2	9.7	19.4	38.7	9.7	0.0	0.0	0.0	0.0	0.0	6.5	0.0	100.
24	3.2	3.2	3.2	0.0	0.0	0.0	3.2	22.6	35.5	6.5	3.2	0.0	9.7	0.0	3.2	6.5	0.0	100.
ALL	7.8	3.6	1.5	1.2	1.9	3.0	12.1	22.6	26.5	7.3	1.1	1.1	0.9	0.9	1.7	6.7	0.0	100.

NUMBER OF OBS = 743

B38

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JUL-SEP 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

SEPTEMBER

HR. OF DAY	WIND DIRECTION																CALM	TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW			
1	3.3	6.7	0.0	3.3	3.3	3.3	10.0	26.7	10.0	6.7	3.3	0.0	0.0	3.3	3.3	16.7	0.0	100.	
2	13.3	0.0	10.0	6.7	0.0	0.0	10.0	16.7	16.7	3.3	3.3	0.0	0.0	0.0	10.0	10.0	0.0	100.	
3	13.3	6.7	0.0	0.0	3.3	3.3	10.0	16.7	6.7	10.0	3.3	3.3	0.0	3.3	6.7	13.3	0.0	100.	
4	6.9	6.9	3.4	6.9	3.4	0.0	10.3	10.3	13.8	6.9	3.4	3.4	0.0	0.0	3.4	20.7	0.0	100.	
5	16.7	0.0	6.7	3.3	0.0	0.0	16.7	6.7	10.0	6.7	6.7	3.3	0.0	0.0	0.0	23.3	0.0	100.	
6	13.3	0.0	3.3	6.7	0.0	0.0	3.3	16.7	23.3	6.7	0.0	3.3	0.0	3.3	0.0	20.0	0.0	100.	
7	10.0	0.0	3.3	3.3	0.0	10.0	6.7	10.0	16.7	10.0	0.0	0.0	0.0	3.3	10.0	16.7	0.0	100.	
8	16.7	10.0	0.0	3.3	0.0	6.7	13.3	23.3	6.7	6.7	0.0	0.0	0.0	0.0	3.3	10.0	16.7	0.0	100.
9	13.3	6.7	6.7	3.3	3.3	6.7	16.7	13.3	6.7	6.7	3.3	3.3	0.0	0.0	0.0	10.0	0.0	100.	
10	3.3	16.7	3.3	0.0	6.7	6.7	13.3	10.0	6.7	3.3	6.7	10.0	3.3	0.0	0.0	10.0	0.0	100.	
11	3.3	6.7	13.3	0.0	3.3	3.3	13.3	13.3	3.3	6.7	6.7	3.3	6.7	0.0	3.3	10.0	3.3	100.	
12	10.3	3.4	6.9	3.4	0.0	13.8	10.3	6.9	13.8	3.4	6.9	6.9	0.0	6.9	0.0	6.9	0.0	100.	
13	10.3	0.0	3.4	10.3	3.4	3.4	6.9	10.3	13.8	3.4	6.9	3.4	3.4	6.9	3.4	10.3	0.0	100.	
14	3.4	6.9	0.0	6.9	3.4	3.4	13.8	10.3	17.2	6.9	0.0	3.4	3.4	6.9	0.0	13.8	0.0	100.	
15	3.4	10.3	0.0	10.3	0.0	0.0	17.2	13.8	6.9	10.3	0.0	6.9	3.4	3.4	3.4	10.3	0.0	100.	
16	6.9	6.9	0.0	3.4	10.3	0.0	20.7	10.3	10.3	3.4	0.0	0.0	10.3	3.4	3.4	10.3	0.0	100.	
17	6.9	10.3	0.0	3.4	3.4	3.4	24.1	6.9	17.2	0.0	0.0	3.4	3.4	10.3	0.0	6.9	0.0	100.	
18	13.3	0.0	3.3	0.0	0.0	6.7	13.3	23.3	13.3	3.3	0.0	3.3	3.3	3.3	0.0	13.3	0.0	100.	
19	3.3	3.3	0.0	0.0	0.0	10.0	16.7	13.3	20.0	0.0	3.3	3.3	0.0	3.3	3.3	16.7	3.3	100.	
20	6.7	0.0	0.0	0.0	3.3	6.7	10.0	13.3	16.7	3.3	6.7	3.3	0.0	3.3	10.0	16.7	0.0	100.	
21	13.3	3.3	0.0	6.7	3.3	3.3	10.0	10.0	13.3	10.0	3.3	0.0	6.7	0.0	3.3	13.3	0.0	100.	
22	13.3	3.3	0.0	0.0	0.0	10.0	13.3	10.0	13.3	3.3	0.0	3.3	3.3	3.3	6.7	16.7	0.0	100.	
23	3.3	3.3	0.0	6.7	3.3	0.0	23.3	6.7	13.3	6.7	3.3	0.0	6.7	3.3	3.3	16.7	0.0	100.	
24	10.0	0.0	0.0	0.0	3.3	0.0	16.7	16.7	16.7	6.7	0.0	0.0	3.3	3.3	6.7	16.7	0.0	100.	
ALL	9.1	4.6	2.7	3.6	2.4	4.2	13.3	13.2	12.8	5.6	2.8	2.8	2.4	2.9	3.5	13.7	0.3	100.	

NUMBER OF OBS = 713

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JUL-SEP 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JUL-SEP

HR. OF DAY	WIND DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		CALM
1	2.2	3.3	3.3	1.1	1.1	1.1	8.7	20.7	19.6	12.0	4.3	3.3	1.1	1.1	3.3	14.1	0.0	100.
2	8.7	1.1	3.3	2.2	1.1	0.0	7.6	20.7	19.6	13.0	3.3	1.1	1.1	2.2	5.4	9.8	0.0	100.
3	7.6	2.2	0.0	1.1	3.3	1.1	7.6	19.6	15.2	7.6	5.4	3.3	1.1	2.2	4.3	18.5	0.0	100.
4	8.8	4.4	2.2	2.2	2.2	0.0	8.8	15.4	17.6	12.1	4.4	4.4	0.0	1.1	1.1	15.4	0.0	100.
5	12.0	1.1	3.3	1.1	0.0	1.1	12.0	8.7	21.7	9.8	3.3	5.4	0.0	2.2	3.3	15.2	0.0	100.
6	10.9	1.1	1.1	2.2	1.1	0.0	3.3	25.0	19.6	9.8	1.1	3.3	1.1	3.3	2.2	15.2	0.0	100.
7	7.7	3.3	1.1	2.2	0.0	4.4	6.6	19.8	18.7	11.0	2.2	1.1	1.1	2.2	7.7	11.0	0.0	100.
8	14.1	7.6	0.0	2.2	0.0	2.2	12.0	21.7	16.3	8.7	0.0	2.2	1.1	0.0	3.3	8.7	0.0	100.
9	12.0	4.3	3.3	2.2	3.3	4.3	10.9	13.6	18.5	10.9	5.4	2.2	0.0	1.1	1.1	7.6	0.0	100.
10	10.9	9.8	1.1	2.2	4.3	2.2	6.5	14.1	15.2	15.2	4.3	5.4	2.2	1.1	1.1	4.3	0.0	100.
11	9.8	6.5	5.4	0.0	3.3	3.3	6.5	12.0	18.5	15.2	4.3	3.3	4.3	0.0	1.1	5.4	1.1	100.
12	11.0	5.5	2.2	2.2	3.3	6.6	6.6	9.9	19.8	13.2	4.4	5.5	0.0	4.4	0.0	5.5	0.0	100.
13	8.8	3.3	3.3	5.5	4.4	3.3	6.6	11.0	23.1	8.8	5.5	3.3	2.2	4.4	1.1	5.5	0.0	100.
14	6.6	5.5	0.0	2.2	3.3	5.5	8.8	17.6	25.3	6.6	1.1	1.1	2.2	6.6	1.1	6.6	0.0	100.
15	5.5	5.5	2.2	3.3	2.2	2.2	11.0	16.5	23.1	5.5	2.2	2.2	3.3	3.3	3.3	8.8	0.0	100.
16	5.5	3.3	1.1	1.1	3.3	4.4	14.3	14.3	22.0	6.6	0.0	2.2	3.3	4.4	2.2	12.1	0.0	100.
17	7.8	5.6	1.1	3.3	2.2	2.2	18.9	15.6	21.1	3.3	1.1	3.3	1.1	4.4	3.3	5.6	0.0	100.
18	13.0	4.3	3.3	2.2	0.0	6.5	15.2	22.8	15.2	3.3	0.0	3.3	1.1	2.2	1.1	6.5	0.0	100.
19	5.4	2.2	5.4	2.2	1.1	6.5	18.5	21.7	16.3	0.0	1.1	1.1	0.0	1.1	5.4	10.9	1.1	100.
20	8.7	3.3	1.1	0.0	2.2	5.4	10.9	22.8	13.0	5.4	3.3	2.2	0.0	3.3	6.5	12.0	0.0	100.
21	5.4	4.3	1.1	2.2	3.3	4.3	12.0	16.3	16.3	9.8	2.2	1.1	4.3	1.1	3.3	13.0	0.0	100.
22	9.8	4.3	1.1	0.0	0.0	5.4	16.3	13.0	21.7	5.4	0.0	2.2	3.3	1.1	3.3	13.0	0.0	100.
23	4.3	2.2	0.0	2.2	2.2	1.1	14.1	15.2	21.7	14.1	2.2	0.0	3.3	1.1	1.1	15.2	0.0	100.
24	5.4	1.1	1.1	0.0	1.1	2.2	7.6	21.7	22.8	7.6	4.3	0.0	5.4	1.1	5.4	13.0	0.0	100.
ALL	8.4	4.0	2.0	1.9	2.0	3.1	10.5	17.1	19.2	9.0	2.7	2.6	1.8	2.3	3.0	10.6	0.1	100.

NUMBER OF OBS = 2199

B40

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION OCT-DEC 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

OCTOBER

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	0.0	9.7	6.5	0.0	0.0	6.5	3.2	3.2	29.0	6.5	0.0	0.0	16.1	16.1	3.2	0.0	0.0	100.
2	6.5	6.5	3.2	0.0	3.2	3.2	3.2	9.7	19.4	6.5	3.2	0.0	12.9	9.7	3.2	9.7	0.0	100.
3	6.5	3.2	6.5	0.0	3.2	3.2	9.7	16.1	9.7	3.2	3.2	3.2	6.5	16.1	6.5	0.0	3.2	100.
4	0.0	0.0	9.7	0.0	6.5	3.2	6.5	19.4	9.7	3.2	3.2	3.2	6.5	19.4	6.5	3.2	0.0	100.
5	6.5	3.2	3.2	6.5	3.2	0.0	12.9	12.9	12.9	0.0	3.2	6.5	16.1	3.2	9.7	0.0	0.0	100.
6	6.5	0.0	6.5	0.0	9.7	0.0	3.2	16.1	12.9	3.2	0.0	3.2	9.7	12.9	9.7	6.5	0.0	100.
7	0.0	6.5	6.5	0.0	6.5	3.2	6.5	19.4	3.2	12.9	3.2	3.2	9.7	3.2	12.9	3.2	0.0	100.
8	0.0	0.0	6.5	0.0	3.2	6.5	12.9	12.9	9.7	6.5	3.2	9.7	9.7	9.7	6.5	3.2	0.0	100.
9	3.2	0.0	3.2	3.2	3.2	6.5	12.9	12.9	9.7	3.2	0.0	3.2	9.7	9.7	19.4	0.0	0.0	100.
10	0.0	6.5	0.0	6.5	0.0	12.9	12.9	3.2	3.2	16.1	0.0	0.0	12.9	9.7	16.1	0.0	0.0	100.
11	0.0	3.2	0.0	3.2	3.2	3.2	16.1	3.2	6.5	16.1	3.2	0.0	6.5	12.9	19.4	3.2	0.0	100.
12	3.3	3.3	3.3	0.0	3.3	3.3	13.3	0.0	6.7	13.3	6.7	0.0	10.0	13.3	20.0	0.0	0.0	100.
13	3.2	0.0	3.2	3.2	3.2	3.2	9.7	6.5	12.9	9.7	3.2	3.2	9.7	12.9	16.1	0.0	0.0	100.
14	3.2	0.0	3.2	6.5	0.0	6.5	9.7	6.5	3.2	12.9	3.2	9.7	3.2	12.9	19.4	0.0	0.0	100.
15	3.2	0.0	0.0	6.5	6.5	3.2	9.7	6.5	9.7	9.7	0.0	9.7	9.7	9.7	12.9	3.2	0.0	100.
16	3.2	3.2	3.2	6.5	0.0	6.5	12.9	6.5	6.5	9.7	6.5	3.2	9.7	9.7	12.9	0.0	0.0	100.
17	3.2	3.2	0.0	3.2	0.0	6.5	19.4	9.7	6.5	3.2	3.2	9.7	6.5	6.5	16.1	3.2	0.0	100.
18	0.0	3.2	6.5	3.2	6.5	0.0	6.5	16.1	9.7	6.5	0.0	0.0	0.0	6.5	25.8	9.7	0.0	100.
19	12.9	6.5	6.5	3.2	0.0	3.2	3.2	6.5	9.7	6.5	3.2	6.5	0.0	6.5	19.4	6.5	0.0	100.
20	12.9	9.7	0.0	6.5	0.0	3.2	6.5	3.2	16.1	3.2	9.7	0.0	0.0	16.1	6.5	6.5	0.0	100.
21	9.7	9.7	3.2	0.0	6.5	3.2	3.2	19.4	9.7	0.0	0.0	3.2	3.2	12.9	12.9	3.2	0.0	100.
22	6.5	0.0	9.7	0.0	6.5	0.0	6.5	9.7	19.4	3.2	0.0	0.0	9.7	6.5	12.9	9.7	0.0	100.
23	3.2	3.2	3.2	6.5	6.5	3.2	12.9	0.0	16.1	3.2	0.0	0.0	6.5	16.1	9.7	6.5	3.2	100.
24	0.0	3.2	9.7	3.2	6.5	3.2	0.0	12.9	19.4	3.2	0.0	0.0	12.9	12.9	6.5	6.5	0.0	100.
ALL	3.9	3.5	4.3	2.8	3.6	3.9	8.9	9.7	11.3	6.7	2.4	3.2	8.2	11.0	12.7	3.5	0.3	100.

NUMBER OF OBS = 743

B41

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION OCT-DEC 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

NOVEMBER

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	10.3	0.0	3.4	3.4	0.0	0.0	10.3	17.2	17.2	6.9	0.0	0.0	0.0	10.3	13.8	6.9	0.0	100.
2	10.3	3.4	3.4	0.0	0.0	3.4	10.3	20.7	10.3	3.4	3.4	3.4	0.0	6.9	10.3	10.3	0.0	100.
3	13.8	3.4	0.0	0.0	0.0	0.0	6.9	17.2	13.8	3.4	3.4	0.0	0.0	10.3	10.3	17.2	0.0	100.
4	17.2	0.0	0.0	0.0	0.0	0.0	6.9	17.2	17.2	3.4	3.4	3.4	3.4	3.4	13.8	10.3	0.0	100.
5	10.3	0.0	0.0	0.0	0.0	0.0	3.4	24.1	20.7	0.0	0.0	6.9	6.9	3.4	13.8	10.3	0.0	100.
6	10.3	3.4	0.0	0.0	0.0	0.0	3.4	20.7	24.1	3.4	0.0	0.0	6.9	6.9	10.3	10.3	0.0	100.
7	6.9	0.0	0.0	0.0	0.0	0.0	6.9	17.2	20.7	6.9	0.0	0.0	3.4	3.4	13.8	20.7	0.0	100.
8	6.7	3.3	0.0	0.0	0.0	0.0	6.7	13.3	23.3	6.7	6.7	0.0	3.3	6.7	6.7	16.7	0.0	100.
9	13.3	3.3	0.0	0.0	0.0	0.0	3.3	26.7	16.7	0.0	3.3	0.0	3.3	10.0	6.7	13.3	0.0	100.
10	3.3	3.3	3.3	0.0	0.0	3.3	3.3	6.7	20.0	16.7	3.3	0.0	0.0	3.3	13.3	20.0	0.0	100.
11	13.3	0.0	0.0	0.0	3.3	10.0	0.0	3.3	10.0	16.7	3.3	6.7	0.0	10.0	10.0	13.3	0.0	100.
12	3.3	0.0	3.3	0.0	0.0	10.0	0.0	6.7	10.0	13.3	6.7	0.0	10.0	6.7	10.0	20.0	0.0	100.
13	6.7	0.0	0.0	0.0	0.0	6.7	6.7	6.7	10.0	16.7	0.0	0.0	10.0	16.7	10.0	10.0	0.0	100.
14	3.3	0.0	0.0	0.0	0.0	0.0	10.0	10.0	16.7	3.3	6.7	3.3	3.3	10.0	13.3	20.0	0.0	100.
15	6.7	0.0	0.0	0.0	3.3	6.7	3.3	13.3	13.3	6.7	3.3	3.3	3.3	10.0	6.7	20.0	0.0	100.
16	3.3	3.3	0.0	3.3	0.0	6.7	3.3	10.0	16.7	3.3	3.3	0.0	3.3	6.7	13.3	23.3	0.0	100.
17	3.3	0.0	3.3	3.3	3.3	0.0	3.3	20.0	13.3	0.0	10.0	0.0	0.0	6.7	6.7	26.7	0.0	100.
18	0.0	3.3	0.0	3.3	0.0	3.3	3.3	13.3	16.7	6.7	0.0	3.3	0.0	6.7	23.3	16.7	0.0	100.
19	10.0	0.0	0.0	0.0	3.3	3.3	3.3	13.3	16.7	0.0	3.3	3.3	3.3	3.3	16.7	20.0	0.0	100.
20	13.3	0.0	0.0	3.3	0.0	3.3	6.7	13.3	16.7	0.0	3.3	0.0	6.7	3.3	6.7	23.3	0.0	100.
21	10.0	0.0	3.3	3.3	0.0	0.0	6.7	16.7	16.7	3.3	0.0	3.3	3.3	3.3	13.3	16.7	0.0	100.
22	6.7	0.0	0.0	0.0	3.3	0.0	10.0	16.7	16.7	10.0	0.0	0.0	0.0	10.0	10.0	16.7	0.0	100.
23	6.7	0.0	3.3	0.0	3.3	0.0	13.3	13.3	20.0	3.3	0.0	0.0	3.3	10.0	10.0	13.3	0.0	100.
24	13.3	0.0	0.0	0.0	3.3	0.0	10.0	23.3	13.3	3.3	3.3	0.0	0.0	3.3	10.0	16.7	0.0	100.
ALL	8.4	1.1	1.0	0.8	1.0	2.4	5.9	15.0	16.3	5.8	2.8	1.5	3.1	7.2	11.4	16.4	0.0	100.

NUMBER OF OBS = 713

B42

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION OCT-DEC 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

DECEMBER

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	10.3	3.4	3.4	0.0	3.4	10.3	13.8	10.3	6.9	3.4	13.8	3.4	3.4	3.4	6.9	3.4	0.0	100.
2	6.9	3.4	6.9	0.0	6.9	0.0	31.0	6.9	3.4	0.0	3.4	6.9	0.0	6.9	6.9	19.3	0.0	100.
3	10.3	3.4	6.9	0.0	6.9	0.0	13.8	17.2	6.9	0.0	10.3	3.4	0.0	6.9	3.4	10.3	0.0	100.
4	10.3	6.9	0.0	0.0	3.4	6.9	13.8	3.4	13.8	3.4	13.8	6.9	0.0	0.0	6.9	10.3	0.0	100.
5	10.3	10.3	0.0	3.4	3.4	3.4	13.8	10.3	10.3	10.3	3.4	3.4	3.4	0.0	10.3	3.4	0.0	100.
6	10.3	0.0	3.4	0.0	6.9	6.9	13.8	6.9	10.3	6.9	3.4	6.9	3.4	13.8	6.9	0.0	0.0	100.
7	10.3	3.4	6.9	6.9	3.4	3.4	13.8	13.8	3.4	3.4	6.9	6.9	0.0	6.9	6.9	3.4	0.0	100.
8	10.3	6.9	6.9	3.4	3.4	3.4	17.2	6.9	6.9	6.9	3.4	0.0	6.9	3.4	10.3	3.4	0.0	100.
9	13.3	3.3	6.7	3.3	10.0	3.3	16.7	10.0	0.0	3.3	0.0	6.7	3.3	10.0	10.0	0.0	0.0	100.
10	10.3	6.9	3.4	10.3	0.0	6.9	17.2	10.3	3.4	0.0	3.4	0.0	6.9	3.4	6.9	10.3	0.0	100.
11	17.2	3.4	3.4	3.4	6.9	6.9	3.4	13.8	6.9	3.4	0.0	0.0	3.4	6.9	3.4	17.2	0.0	100.
12	17.9	0.0	10.7	7.1	3.6	3.6	7.1	10.7	14.3	0.0	0.0	0.0	3.6	7.1	3.6	10.7	0.0	100.
13	14.8	3.7	7.4	0.0	11.1	3.7	7.4	14.8	7.4	0.0	3.7	0.0	3.7	7.4	7.4	7.4	0.0	100.
14	7.4	7.4	3.7	3.7	11.1	7.4	3.7	18.5	3.7	7.4	0.0	0.0	3.7	7.4	7.4	7.4	0.0	100.
15	7.4	7.4	3.7	0.0	22.2	0.0	7.4	18.5	0.0	3.7	0.0	7.4	0.0	7.4	3.7	11.1	0.0	100.
16	3.6	14.3	0.0	10.7	7.1	0.0	7.1	14.3	3.6	3.6	3.6	0.0	7.1	7.1	7.1	10.7	0.0	100.
17	10.7	3.6	0.0	14.3	3.6	3.6	7.1	14.3	0.0	7.1	3.6	0.0	0.0	7.1	17.9	7.1	0.0	100.
18	7.1	7.1	0.0	10.7	0.0	3.6	14.3	10.7	0.0	3.6	7.1	3.6	0.0	10.7	7.1	14.3	0.0	100.
19	10.7	3.6	7.1	7.1	0.0	3.6	10.7	10.7	3.6	7.1	7.1	3.6	3.6	3.6	3.6	14.3	0.0	100.
20	13.8	6.9	3.4	0.0	3.4	0.0	13.8	6.9	10.3	6.9	0.0	0.0	3.4	6.9	17.2	6.9	0.0	100.
21	17.2	10.3	0.0	3.4	3.4	0.0	6.9	10.3	6.9	6.9	0.0	3.4	10.3	6.9	3.4	10.3	0.0	100.
22	10.3	13.8	0.0	0.0	3.4	3.4	3.4	17.2	10.3	6.9	0.0	10.3	0.0	6.9	3.4	10.3	0.0	100.
23	10.3	6.9	3.4	0.0	3.4	0.0	13.8	13.8	10.3	6.9	3.4	3.4	3.4	3.4	13.8	3.4	0.0	100.
24	16.3	3.4	3.4	0.0	3.4	6.9	17.2	10.3	6.9	3.4	6.9	6.9	3.4	6.9	6.9	3.4	0.0	100.
ALL	10.9	5.8	3.8	3.6	5.4	3.6	12.1	11.7	6.3	4.4	4.1	3.5	3.1	6.3	7.6	7.9	0.0	100.

NUMBER OF OBS = 686

B43

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION OCT-DEC 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

OCT-DEC

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	6.7	4.5	4.5	1.1	1.1	5.6	9.0	10.1	18.0	5.6	4.5	1.1	6.7	10.1	7.9	3.4	0.0	100.
2	7.9	4.5	4.5	0.0	3.4	2.2	14.6	12.4	11.2	3.4	3.4	3.4	4.5	7.9	6.7	10.1	0.0	100.
3	10.1	3.4	4.5	0.0	3.4	1.1	10.1	16.9	10.1	2.2	5.6	2.2	2.2	11.2	6.7	9.0	1.1	100.
4	9.0	2.2	3.4	0.0	3.4	3.4	9.0	13.5	13.5	3.4	6.7	4.5	3.4	7.9	9.0	7.9	0.0	100.
5	9.0	4.5	1.1	3.4	2.2	1.1	10.1	15.7	14.6	3.4	2.2	5.6	9.0	2.2	11.2	4.5	0.0	100.
6	9.0	1.1	3.4	0.0	5.6	2.2	6.7	14.6	15.7	4.5	1.1	3.4	6.7	11.2	9.0	5.6	0.0	100.
7	5.6	3.4	4.5	2.2	3.4	2.2	9.0	16.9	9.0	7.9	3.4	3.4	4.5	4.5	11.2	9.0	0.0	100.
8	5.6	3.3	4.4	1.1	2.2	3.3	12.2	11.1	13.3	6.7	4.4	3.3	6.7	6.7	7.8	7.8	0.0	100.
9	9.9	2.2	3.3	2.2	4.4	3.3	11.0	16.5	8.8	2.2	1.1	3.3	5.5	9.9	12.1	4.4	0.0	100.
10	4.4	5.6	2.2	5.6	0.0	7.8	11.1	6.7	8.9	11.1	2.2	0.0	6.7	5.6	12.2	10.0	0.0	100.
11	10.0	2.2	1.1	2.2	4.4	6.7	6.7	6.7	7.8	12.2	2.2	2.2	3.3	10.0	11.1	11.1	0.0	100.
12	8.0	1.1	5.7	2.3	2.3	5.7	6.8	5.7	10.2	9.1	4.5	0.0	8.0	9.1	11.4	10.2	0.0	100.
13	8.0	1.1	3.4	1.1	4.5	4.5	8.0	9.1	10.2	9.1	2.3	1.1	8.0	12.5	11.4	5.7	0.0	100.
14	4.5	2.3	2.3	3.4	3.4	4.5	8.0	11.4	8.0	8.0	3.4	4.5	3.4	10.2	13.6	9.1	0.0	100.
15	5.7	2.3	1.1	2.3	10.2	3.4	6.8	12.5	8.0	6.8	1.1	6.8	4.5	9.1	8.0	11.4	0.0	100.
16	3.4	6.7	1.1	6.7	2.2	4.5	7.9	10.1	9.0	5.6	4.5	1.1	6.7	7.9	11.2	11.2	0.0	100.
17	5.6	2.2	1.1	6.7	2.2	3.4	10.1	14.6	6.7	3.4	5.6	3.4	2.2	6.7	13.5	12.4	0.0	100.
18	2.2	4.5	2.2	5.6	2.2	2.2	7.9	13.5	9.0	5.6	2.2	2.2	0.0	7.9	19.1	13.5	0.0	100.
19	11.2	3.4	4.5	3.4	1.1	3.4	5.6	10.1	10.1	4.5	4.5	4.5	2.2	4.5	13.5	13.5	0.0	100.
20	13.3	5.6	1.1	3.3	1.1	2.2	8.9	7.8	14.4	3.3	4.4	0.0	3.3	8.9	10.0	12.2	0.0	100.
21	12.2	6.7	2.2	2.2	3.3	1.1	5.6	15.6	11.1	3.3	0.0	3.3	5.6	7.8	10.0	10.0	0.0	100.
22	7.8	4.4	3.3	0.0	4.4	1.1	6.7	14.4	15.6	6.7	0.0	3.3	3.3	7.8	8.9	12.2	0.0	100.
23	6.7	3.3	3.3	2.2	4.4	1.1	13.3	8.9	15.6	4.4	1.1	1.1	4.4	10.0	11.1	7.8	1.1	100.
24	7.8	2.2	4.4	1.1	4.4	3.3	8.9	15.6	13.3	3.3	3.3	2.2	5.6	7.8	7.8	8.9	0.0	100.
ALL	7.7	3.5	3.0	2.4	3.3	3.3	8.9	12.1	11.3	5.6	3.1	2.8	4.9	8.2	10.6	9.2	0.1	100.

NUMBER OF OBS = 2142

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JUL-DEC 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JUL-DEC

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	4.4	3.9	3.9	1.1	1.1	3.3	8.8	15.5	18.8	8.8	4.4	2.2	3.9	5.5	5.5	6.8	0.0	100.
2	8.3	2.8	3.9	1.1	2.2	1.1	11.0	16.6	15.5	8.3	3.3	2.2	2.8	5.0	6.1	9.9	0.0	100.
3	8.8	2.8	2.2	0.6	3.3	1.1	8.8	18.2	12.7	5.0	5.5	2.8	1.7	6.6	5.5	13.8	0.6	100.
4	8.9	3.3	2.8	1.1	2.8	1.7	8.9	14.4	15.6	7.8	5.6	4.4	1.7	4.4	5.0	11.7	0.0	100.
5	10.5	2.8	2.2	2.2	1.1	1.1	11.0	12.2	18.2	6.6	2.8	5.5	4.4	2.2	7.2	9.9	0.0	100.
6	9.9	1.1	2.2	1.1	3.3	1.1	5.0	19.9	17.7	7.2	1.1	3.3	3.9	7.2	5.5	10.5	0.0	100.
7	6.7	3.3	2.8	2.2	1.7	3.3	7.8	18.3	13.9	9.4	2.8	2.2	2.8	3.3	9.4	10.0	0.0	100.
8	9.9	5.5	2.2	1.6	1.1	2.7	12.1	16.5	14.8	7.7	2.2	2.7	3.8	3.3	5.5	8.2	0.0	100.
9	10.9	3.3	3.3	2.2	3.8	3.8	10.9	14.8	13.7	6.6	3.3	2.7	2.7	5.5	6.6	6.0	0.0	100.
10	7.7	7.7	1.6	3.8	2.2	4.9	8.8	10.4	12.1	13.2	3.3	2.7	4.4	3.3	6.6	7.1	0.0	100.
11	9.9	4.4	3.3	1.1	3.8	4.9	6.6	9.3	13.2	13.7	3.3	2.7	3.8	4.9	6.0	8.2	0.5	100.
12	9.5	3.4	3.9	2.2	2.8	6.1	6.7	7.8	15.1	11.2	4.5	2.8	3.9	6.7	5.6	7.8	0.0	100.
13	8.4	2.2	3.4	3.4	4.5	3.9	7.3	10.1	16.8	8.9	3.9	2.2	5.0	8.4	6.1	5.6	0.0	100.
14	5.6	3.9	1.1	2.8	3.4	5.0	8.4	14.5	16.8	7.3	2.2	2.8	2.8	8.4	7.3	7.8	0.0	100.
15	5.6	3.9	1.7	2.8	6.1	2.8	8.9	14.5	15.6	6.1	1.7	4.5	3.9	6.1	5.6	10.1	0.0	100.
16	4.4	5.0	1.1	3.9	2.8	4.4	11.1	12.2	15.6	6.1	2.2	1.7	5.0	6.1	6.7	11.7	0.0	100.
17	6.7	3.9	1.1	5.0	2.2	2.8	14.5	15.1	14.0	3.4	3.4	3.4	1.7	5.6	8.4	8.9	0.0	100.
18	7.7	4.4	2.8	3.9	1.1	4.4	11.6	18.2	12.2	4.4	1.1	2.8	0.6	5.0	9.9	9.9	0.0	100.
19	8.3	2.8	5.0	2.8	1.1	5.0	12.2	16.0	13.3	2.2	2.8	2.8	1.1	2.8	9.4	12.2	0.6	100.
20	11.0	4.4	1.1	1.6	1.6	3.8	9.9	15.4	13.7	4.4	3.8	1.1	1.6	6.0	8.2	12.1	0.0	100.
21	8.8	5.5	1.6	2.2	3.3	2.7	8.8	15.9	13.7	6.6	1.1	2.2	4.9	4.4	6.6	11.5	0.0	100.
22	8.8	4.4	2.2	0.0	2.2	3.3	11.5	13.7	18.7	6.0	0.0	2.7	3.3	4.4	6.0	12.6	0.0	100.
23	5.5	2.7	1.6	2.2	3.3	1.1	13.7	12.1	18.7	9.3	1.6	0.5	3.8	5.5	6.0	11.5	0.5	100.
24	6.6	1.6	2.7	0.5	2.7	2.7	8.2	18.7	18.1	5.5	3.8	1.1	5.5	4.4	6.6	11.0	0.0	100.
ALL	8.0	3.7	2.5	2.1	2.6	3.2	9.7	14.6	15.3	7.3	2.9	2.7	3.3	5.2	6.7	9.9	0.1	100.

NUMBER OF OBS = 4341

B45

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JAN-DEC 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JAN-DEC

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	8.1	5.0	3.1	1.7	2.2	5.3	7.5	12.2	14.2	7.2	3.6	1.9	3.3	4.7	7.5	12.5	0.0	100.
2	9.7	3.9	2.5	2.5	3.1	2.5	8.9	13.1	11.9	7.2	3.3	3.1	1.9	5.0	9.7	11.4	0.3	100.
3	10.0	4.4	2.8	0.6	3.9	1.9	8.6	11.7	13.1	5.3	5.0	2.8	2.2	6.7	8.1	12.5	0.6	100.
4	9.5	4.7	2.2	1.9	2.8	3.6	7.5	12.0	13.6	5.6	5.0	2.2	2.5	5.8	9.2	11.7	0.0	100.
5	10.3	4.4	2.2	3.1	2.2	3.3	9.7	10.8	12.5	6.1	2.8	3.9	3.1	4.2	10.0	11.4	0.0	100.
6	10.3	2.8	1.9	1.9	3.1	3.3	7.8	15.0	12.8	6.4	1.4	1.7	4.2	6.1	9.4	11.9	0.0	100.
7	7.8	4.2	2.5	2.0	3.4	4.7	6.7	14.8	11.2	8.1	3.1	2.2	3.4	3.9	8.9	13.1	0.0	100.
8	11.1	5.8	2.2	1.1	2.5	4.7	11.7	13.1	12.2	5.8	1.9	1.7	3.6	4.7	6.9	10.8	0.0	100.
9	11.9	5.2	4.4	2.2	2.5	5.5	10.5	10.8	12.7	6.6	1.9	2.5	2.5	3.6	8.0	9.1	0.0	100.
10	9.4	8.3	3.9	2.2	2.2	5.8	10.5	6.9	12.4	10.2	2.2	2.5	3.6	3.3	6.1	10.5	0.0	100.
11	10.8	6.1	4.4	1.4	2.8	5.0	10.0	6.6	10.8	11.9	3.9	1.7	3.9	4.2	6.9	9.4	0.3	100.
12	10.1	3.6	5.0	2.8	3.1	4.7	9.8	7.0	12.0	10.6	3.1	2.0	3.4	5.9	7.8	9.2	0.0	100.
13	9.8	3.4	3.1	3.9	3.4	3.9	9.5	7.8	13.2	9.0	3.4	2.2	3.9	7.0	8.1	8.4	0.0	100.
14	7.2	3.6	2.8	3.1	2.5	3.9	9.5	11.1	13.6	7.8	2.8	3.3	2.5	7.0	8.1	11.1	0.0	100.
15	8.1	3.6	2.5	3.3	3.9	2.5	10.9	10.3	13.1	6.7	2.2	4.2	4.5	5.0	7.2	12.0	0.0	100.
16	6.7	3.6	3.3	3.6	3.6	3.9	10.0	9.4	13.1	7.2	2.2	2.2	5.0	5.8	8.3	11.9	0.0	100.
17	8.9	4.2	2.8	3.6	3.1	3.1	11.1	12.3	11.4	5.6	3.6	2.5	1.7	5.8	9.5	10.9	0.0	100.
18	9.1	5.5	2.8	3.3	1.9	5.5	9.1	13.0	11.4	5.3	1.7	3.0	1.7	4.7	9.7	12.2	0.0	100.
19	8.9	3.9	4.2	2.8	2.2	5.3	9.1	12.7	11.6	4.7	3.3	2.2	1.7	3.3	9.7	14.1	0.3	100.
20	9.1	5.0	3.6	1.9	1.9	5.5	8.3	11.4	12.2	5.5	4.2	1.1	2.5	4.7	9.1	13.9	0.0	100.
21	8.6	5.3	3.0	3.3	2.2	3.9	8.3	11.4	12.5	6.6	2.2	2.8	4.2	3.6	8.9	13.3	0.0	100.
22	8.0	5.0	3.3	0.8	2.5	3.6	9.9	10.5	15.7	6.4	1.4	2.5	2.2	5.5	7.7	14.6	0.3	100.
23	9.1	3.0	3.0	3.0	2.8	2.5	10.2	9.7	15.5	9.4	1.7	1.1	2.5	5.2	8.6	12.4	0.3	100.
24	8.9	3.0	4.2	1.4	2.5	4.4	6.9	14.1	14.1	5.8	3.3	2.2	3.6	5.0	9.1	11.4	0.0	100.
ALL	9.2	4.5	3.2	2.4	2.8	4.1	9.3	11.2	12.8	7.1	2.9	2.4	3.1	5.0	8.4	11.7	0.1	100.

NUMBER OF OBS = 8643

Wind Direction Frequencies

100-Meter Level

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JAN-MAR 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JANUARY

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	3.2	9.7	6.5	0.0	0.0	6.5	6.5	9.7	3.2	3.2	9.7	0.0	6.5	0.0	19.4	16.1	0.0	100.
2	12.9	0.0	3.2	0.0	6.5	3.2	3.2	9.7	6.5	3.2	3.2	3.2	3.2	6.5	16.1	19.4	0.0	100.
3	12.9	0.0	0.0	3.2	0.0	3.2	16.1	3.2	6.5	3.2	0.0	3.2	3.2	6.5	29.0	9.7	0.0	100.
4	12.9	3.2	0.0	3.2	0.0	6.5	6.5	6.5	6.5	3.2	3.2	3.2	3.2	6.5	16.1	19.4	0.0	100.
5	6.5	6.5	0.0	3.2	0.0	6.5	12.9	3.2	3.2	3.2	3.2	0.0	6.5	6.5	12.9	25.8	0.0	100.
6	6.5	6.5	0.0	0.0	3.2	3.2	16.1	3.2	6.5	0.0	3.2	0.0	6.5	12.9	6.5	25.8	0.0	100.
7	10.0	0.0	6.7	0.0	0.0	6.7	13.3	6.7	6.7	0.0	3.3	0.0	6.7	10.0	6.7	23.3	0.0	100.
8	13.3	3.3	3.3	0.0	0.0	6.7	20.0	3.3	6.7	0.0	3.3	0.0	6.7	6.7	13.3	13.3	0.0	100.
9	10.0	3.3	3.3	0.0	0.0	3.3	23.3	6.7	3.3	0.0	3.3	0.0	6.7	6.7	13.3	16.7	0.0	100.
10	9.7	3.2	3.2	0.0	3.2	6.5	19.4	3.2	3.2	0.0	0.0	0.0	12.9	9.7	9.7	16.1	0.0	100.
11	9.7	3.2	3.2	3.2	0.0	3.2	12.9	9.7	6.5	0.0	3.2	0.0	6.5	6.5	19.4	12.9	0.0	100.
12	9.7	6.5	0.0	0.0	3.2	3.2	9.7	9.7	3.2	0.0	6.5	3.2	6.5	6.5	22.6	9.7	0.0	100.
13	3.2	9.7	0.0	0.0	3.2	0.0	12.9	9.7	3.2	6.5	3.2	0.0	6.5	9.7	16.1	16.1	0.0	100.
14	9.7	3.2	6.5	0.0	3.2	3.2	6.5	9.7	6.5	6.5	0.0	3.2	6.5	9.7	16.1	9.7	0.0	100.
15	9.7	6.5	0.0	3.2	0.0	0.0	12.9	6.5	3.2	9.7	0.0	3.2	9.7	6.5	12.9	16.1	0.0	100.
16	9.7	3.2	0.0	3.2	0.0	3.2	9.7	6.5	3.2	9.7	0.0	3.2	3.2	9.7	22.6	12.9	0.0	100.
17	0.0	6.5	6.5	0.0	3.2	0.0	6.5	9.7	9.7	3.2	0.0	0.0	6.5	6.5	22.6	19.4	0.0	100.
18	9.7	6.5	0.0	6.5	0.0	3.2	6.5	9.7	6.5	3.2	0.0	3.2	3.2	3.2	16.1	19.4	3.2	100.
19	6.5	9.7	0.0	9.7	0.0	0.0	9.7	9.7	3.2	6.5	3.2	3.2	6.5	0.0	12.9	19.4	0.0	100.
20	9.7	6.5	0.0	6.5	0.0	3.2	12.9	3.2	6.5	9.7	0.0	3.2	3.2	3.2	12.9	19.4	0.0	100.
21	12.9	3.2	6.5	3.2	0.0	0.0	12.9	6.5	3.2	6.5	6.5	0.0	3.2	9.7	6.5	19.4	0.0	100.
22	3.2	12.9	0.0	0.0	3.2	3.2	12.9	6.5	6.5	0.0	9.7	0.0	3.2	9.7	6.5	22.6	0.0	100.
23	6.5	6.5	0.0	3.2	3.2	3.2	9.7	9.7	3.2	6.5	6.5	3.2	0.0	3.2	12.9	22.6	0.0	100.
24	6.5	3.2	6.5	3.2	0.0	3.2	6.5	9.7	6.5	6.5	6.5	6.5	0.0	0.0	16.1	19.4	0.0	100.
ALL	8.5	5.1	2.3	2.2	1.3	3.4	11.6	7.2	5.1	3.8	3.2	1.8	5.3	6.5	15.0	17.7	0.1	100.

NUMBER OF OBS = 741

B48

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JAN-MAR 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

FEBRUARY

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	14.3	3.6	0.0	3.6	0.0	0.0	7.1	3.6	0.0	10.7	21.4	3.6	0.0	0.0	14.3	17.9	0.0	100.
2	14.3	3.6	0.0	0.0	3.6	0.0	3.6	3.6	0.0	0.0	28.6	3.6	3.6	3.6	7.1	21.4	3.6	100.
3	17.9	0.0	0.0	0.0	0.0	3.6	3.6	0.0	0.0	7.1	21.4	3.6	3.6	10.7	14.3	14.3	0.0	100.
4	14.3	7.1	0.0	0.0	0.0	3.6	3.6	0.0	0.0	10.7	14.3	0.0	3.6	7.1	17.9	17.9	0.0	100.
5	14.3	0.0	0.0	3.6	0.0	0.0	10.7	0.0	3.6	7.1	10.7	0.0	0.0	3.6	17.9	25.0	3.6	100.
6	11.1	0.0	0.0	0.0	0.0	0.0	7.4	11.1	0.0	7.4	7.4	3.7	0.0	3.7	11.1	33.3	3.7	100.
7	14.8	0.0	0.0	0.0	0.0	0.0	7.4	7.4	3.7	14.8	3.7	3.7	0.0	0.0	18.5	25.9	0.0	100.
8	18.5	0.0	0.0	0.0	3.7	0.0	3.7	0.0	7.4	7.4	14.8	3.7	3.7	0.0	14.8	22.2	0.0	100.
9	3.6	10.7	7.1	0.0	0.0	0.0	3.6	0.0	10.7	10.7	10.7	3.6	0.0	7.1	7.1	25.0	0.0	100.
10	7.1	7.1	3.6	3.6	3.6	3.6	3.6	0.0	10.7	7.1	17.9	0.0	0.0	3.6	3.6	25.0	0.0	100.
11	10.7	7.1	7.1	0.0	0.0	0.0	7.1	0.0	10.7	17.9	7.1	3.6	0.0	3.6	3.6	17.9	3.6	100.
12	17.9	3.6	3.6	0.0	0.0	7.1	7.1	7.1	7.1	7.1	14.3	0.0	3.6	0.0	3.6	17.9	0.0	100.
13	14.3	0.0	3.6	0.0	0.0	3.6	17.9	3.6	7.1	10.7	7.1	0.0	7.1	0.0	3.6	21.4	0.0	100.
14	7.1	0.0	3.6	3.6	3.6	0.0	10.7	7.1	7.1	10.7	7.1	7.1	0.0	0.0	17.9	14.3	0.0	100.
15	10.7	0.0	3.6	0.0	0.0	10.7	10.7	3.6	0.0	14.3	10.7	0.0	3.6	7.1	7.1	17.9	0.0	100.
16	10.7	0.0	0.0	3.6	7.1	7.1	3.6	7.1	0.0	14.3	3.6	3.6	10.7	0.0	10.7	17.9	0.0	100.
17	14.3	0.0	0.0	3.6	7.1	3.6	3.6	7.1	0.0	14.3	10.7	3.6	0.0	3.6	14.3	14.3	0.0	100.
18	7.1	7.1	3.6	0.0	3.6	0.0	7.1	3.6	7.1	17.9	0.0	7.1	0.0	0.0	10.7	25.0	0.0	100.
19	10.7	3.6	3.6	0.0	0.0	7.1	3.6	3.6	3.6	17.9	7.1	3.6	3.6	0.0	0.0	32.1	0.0	100.
20	10.7	14.3	0.0	0.0	0.0	7.1	3.6	7.1	0.0	17.9	7.1	3.6	3.6	0.0	3.6	17.9	3.6	100.
21	7.1	10.7	3.6	3.6	7.1	0.0	3.6	10.7	0.0	17.9	7.1	0.0	3.6	0.0	10.7	14.3	0.0	100.
22	10.7	10.7	3.6	0.0	0.0	3.6	3.6	10.7	3.6	14.3	10.7	0.0	0.0	3.6	7.1	17.9	0.0	100.
23	14.3	14.3	0.0	0.0	3.6	0.0	3.6	7.1	0.0	21.4	10.7	0.0	0.0	0.0	7.1	17.9	0.0	100.
24	28.6	0.0	3.6	0.0	0.0	0.0	7.1	3.6	0.0	10.7	25.0	0.0	0.0	0.0	10.7	10.7	0.0	100.
ALL	12.7	4.3	2.1	1.0	1.8	2.5	6.1	4.5	3.4	12.1	11.7	2.4	2.1	2.4	9.9	20.2	0.7	100.

NUMBER OF OBS = 669

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JAN-MAR 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

MARCH

HR. OF DAY	WIND DIRECTION																CALM	TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NHW			
1	6.3	12.5	6.3	6.3	0.0	12.5	6.3	0.0	31.3	6.3	0.0	0.0	0.0	0.0	0.0	12.5	0.0	100.	
2	12.5	6.3	6.3	0.0	12.5	0.0	6.3	0.0	25.0	12.5	0.0	0.0	0.0	0.0	6.3	6.3	6.3	100.	
3	12.5	12.5	6.3	0.0	0.0	6.3	6.3	6.3	18.8	6.3	6.3	0.0	0.0	6.3	0.0	12.5	0.0	100.	
4	18.8	12.5	0.0	0.0	0.0	6.3	6.3	6.3	18.8	6.3	0.0	6.3	0.0	6.3	0.0	12.5	0.0	100.	
5	18.8	12.5	0.0	0.0	0.0	0.0	18.8	6.3	12.5	6.3	0.0	6.3	0.0	0.0	6.3	12.5	0.0	100.	
6	12.5	6.3	12.5	0.0	0.0	0.0	12.5	18.8	0.0	12.5	6.3	0.0	0.0	0.0	6.3	12.5	0.0	100.	
7	12.5	6.3	12.5	0.0	0.0	0.0	12.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	6.3	12.5	0.0	100.	
8	12.5	6.3	12.5	0.0	0.0	0.0	12.5	0.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	18.8	0.0	100.	
9	12.5	12.5	0.0	6.3	6.3	0.0	12.5	0.0	12.5	18.8	0.0	6.3	0.0	0.0	0.0	12.5	0.0	100.	
10	12.5	12.5	0.0	6.3	0.0	6.3	6.3	6.3	18.8	12.5	0.0	0.0	0.0	0.0	6.3	12.5	0.0	100.	
11	18.8	12.5	0.0	6.3	0.0	0.0	6.3	6.3	6.3	18.8	6.3	0.0	0.0	6.3	0.0	12.5	0.0	100.	
12	18.8	12.5	6.3	6.3	0.0	0.0	6.3	6.3	18.8	12.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	100.	
13	20.0	13.3	6.7	6.7	0.0	0.0	6.7	0.0	20.0	13.3	0.0	0.0	0.0	0.0	13.3	0.0	0.0	100.	
14	25.0	12.5	6.3	0.0	0.0	0.0	6.3	0.0	18.8	12.5	6.3	0.0	0.0	0.0	0.0	0.0	12.5	0.0	100.
15	20.0	6.7	13.3	0.0	0.0	0.0	6.7	0.0	20.0	13.3	0.0	0.0	0.0	0.0	6.7	13.3	0.0	100.	
16	6.7	6.7	6.7	0.0	0.0	6.7	6.7	0.0	26.7	6.7	0.0	0.0	0.0	0.0	20.0	13.3	0.0	100.	
17	20.0	13.3	6.7	6.7	0.0	0.0	6.7	0.0	20.0	13.3	0.0	0.0	0.0	0.0	6.7	6.7	0.0	100.	
18	13.3	6.7	6.7	0.0	0.0	20.0	0.0	0.0	26.7	13.3	0.0	0.0	0.0	0.0	6.7	6.7	0.0	100.	
19	6.7	20.0	0.0	6.7	0.0	6.7	6.7	0.0	26.7	6.7	0.0	0.0	0.0	0.0	0.0	13.3	6.7	100.	
20	6.7	13.3	6.7	0.0	0.0	20.0	6.7	6.7	20.0	6.7	0.0	0.0	0.0	0.0	0.0	13.3	0.0	100.	
21	6.7	6.7	6.7	6.7	0.0	6.7	6.7	13.3	20.0	13.3	0.0	0.0	0.0	0.0	0.0	13.3	0.0	100.	
22	13.3	0.0	6.7	6.7	6.7	6.7	6.7	6.7	20.0	13.3	0.0	0.0	0.0	0.0	0.0	13.3	0.0	100.	
23	6.7	6.7	0.0	13.3	6.7	6.7	6.7	0.0	26.7	13.3	0.0	0.0	0.0	0.0	6.7	6.7	0.0	100.	
24	6.7	0.0	13.3	6.7	6.7	6.7	6.7	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	100.	
ALL	13.4	9.7	5.9	3.5	1.6	4.6	7.8	4.0	20.1	11.0	1.1	0.8	0.0	0.8	4.3	11.0	0.5	100.	

NUMBER OF OBS = 373

B50

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JAN-MAR 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JAN-MAR

HR. OF DAY	WIND DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		CALM
1	8.0	8.0	4.0	2.7	0.0	5.3	6.7	5.3	8.0	6.7	12.0	1.3	2.7	0.0	13.3	16.0	0.0	100.
2	13.3	2.7	2.7	0.0	6.7	1.3	4.0	5.3	8.0	4.0	12.0	2.7	2.7	4.0	10.7	17.3	2.7	100.
3	14.7	2.7	1.3	1.3	0.0	4.0	9.3	2.7	6.7	5.3	9.3	2.7	2.7	8.0	17.3	12.0	0.0	100.
4	14.7	6.7	0.0	1.3	0.0	5.3	5.3	4.0	6.7	6.7	6.7	2.7	2.7	6.7	13.3	17.3	0.0	100.
5	12.0	5.3	0.0	2.7	0.0	2.7	13.3	2.7	5.3	5.3	5.3	1.3	2.7	4.0	13.3	22.7	1.3	100.
6	9.5	4.1	2.7	0.0	1.4	1.4	12.2	9.5	2.7	5.4	5.4	1.4	2.7	6.8	8.1	25.7	1.4	100.
7	12.3	1.4	5.5	0.0	0.0	2.7	11.0	8.2	6.8	8.2	2.7	1.4	2.7	4.1	11.0	21.9	0.0	100.
8	15.1	2.7	4.1	0.0	1.4	2.7	12.3	1.4	11.0	5.5	6.8	1.4	4.1	2.7	11.0	17.8	0.0	100.
9	8.1	8.1	4.1	1.4	1.4	1.4	13.5	2.7	8.1	8.1	5.4	2.7	2.7	5.4	8.1	18.9	0.0	100.
10	9.3	6.7	2.7	2.7	2.7	5.3	10.7	2.7	9.3	5.3	6.7	0.0	5.3	5.3	6.7	18.7	0.0	100.
11	12.0	6.7	4.0	2.7	0.0	1.3	9.3	5.3	8.0	10.7	5.3	1.3	2.7	5.3	9.3	14.7	1.3	100.
12	14.7	6.7	2.7	1.3	1.3	4.0	8.0	8.0	8.0	5.3	8.0	1.3	4.0	2.7	13.3	10.7	0.0	100.
13	10.8	6.8	2.7	1.4	1.4	1.4	13.5	5.4	8.1	9.5	4.1	0.0	5.4	4.1	13.8	14.9	0.0	100.
14	12.0	4.0	5.3	1.3	2.7	1.3	8.0	6.7	9.3	9.3	4.0	4.0	2.7	4.0	13.3	12.0	0.0	100.
15	12.2	4.1	4.1	1.4	0.0	4.1	10.8	4.1	5.4	12.2	4.1	1.4	5.4	5.4	9.5	16.2	0.0	100.
16	9.5	2.7	1.4	2.7	2.7	5.4	6.8	5.4	6.8	10.8	1.4	2.7	5.4	4.1	17.6	14.9	0.0	100.
17	9.5	5.4	4.1	2.7	4.1	1.4	5.4	6.8	8.1	9.5	4.1	1.4	2.7	4.1	16.2	14.9	0.0	100.
18	9.5	6.8	2.7	2.7	1.4	5.4	5.4	5.4	10.8	10.8	0.0	4.1	1.4	1.4	12.2	18.9	1.4	100.
19	8.1	9.5	1.4	5.4	0.0	4.1	6.8	5.4	8.1	10.8	4.1	2.7	4.1	0.0	5.4	23.0	1.4	100.
20	9.5	10.8	1.4	2.7	0.0	8.1	8.1	5.4	6.8	12.2	2.7	2.7	2.7	1.4	6.8	17.6	1.4	100.
21	9.5	6.8	5.4	4.1	2.7	1.4	8.1	9.5	5.4	12.2	5.4	0.0	2.7	4.1	6.8	16.2	0.0	100.
22	8.1	9.5	2.7	1.4	2.7	4.1	8.1	8.1	8.1	8.1	8.1	0.0	1.4	5.4	5.4	18.9	0.0	100.
23	9.5	9.5	0.0	4.1	4.1	2.7	6.8	6.8	6.8	13.5	6.8	1.4	0.0	1.4	9.5	17.6	0.0	100.
24	14.9	1.4	6.8	2.7	1.4	2.7	6.8	5.4	10.8	6.8	12.2	2.7	0.0	0.0	10.8	14.9	0.0	100.
ALL	11.1	5.8	3.0	2.0	1.6	3.3	8.7	5.5	7.6	8.4	5.9	1.8	3.0	3.8	10.8	17.2	0.4	100.

NUMBER OF OBS = 1783

B51

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION APR-JUN 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

APRIL

HR. OF DAY	WIND DIRECTION																CALM	TOTAL							
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW									
1	0.0	0.0	0.0	20.0	0.0	20.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.	
2	0.0	0.0	0.0	20.0	0.0	20.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
3	0.0	0.0	0.0	0.0	20.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
4	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
5	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
6	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
7	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
8	0.0	20.0	0.0	0.0	0.0	40.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
9	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
10	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
11	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
12	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
13	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
14	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	16.7	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
15	16.7	0.0	0.0	0.0	0.0	16.7	16.7	0.0	16.7	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
16	16.7	0.0	0.0	0.0	0.0	16.7	16.7	0.0	16.7	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
17	16.7	0.0	0.0	0.0	0.0	33.3	0.0	0.0	16.7	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
18	16.7	0.0	0.0	0.0	0.0	33.3	0.0	0.0	16.7	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
19	16.7	0.0	0.0	0.0	0.0	33.3	0.0	0.0	16.7	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	16.7	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	16.7	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	16.7	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	16.7	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	16.7	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
ALL	6.9	1.5	1.5	1.5	18.3	13.7	9.2	6.1	7.6	13.0	1.5	0.0	0.0	0.0	6.1	7.6	13.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	100.

NUMBER OF OBS = 131

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION APR-JUN 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

MAY

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	10.0	10.0	0.0	0.0	0.0	20.0	40.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	100.
2	10.0	0.0	0.0	0.0	0.0	30.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	100.
3	20.0	10.0	0.0	10.0	0.0	20.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
4	10.0	20.0	0.0	10.0	0.0	10.0	40.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
5	10.0	20.0	10.0	0.0	0.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
6	0.0	0.0	11.1	11.1	22.2	11.1	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
7	0.0	22.2	0.0	11.1	11.1	11.1	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
8	0.0	0.0	11.1	11.1	11.1	11.1	22.2	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
9	0.0	0.0	11.1	11.1	0.0	22.2	11.1	11.1	22.2	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	100.
10	0.0	0.0	33.3	0.0	0.0	0.0	44.4	0.0	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	100.
11	0.0	0.0	22.2	11.1	0.0	11.1	22.2	11.1	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
12	0.0	11.1	22.2	0.0	0.0	11.1	22.2	11.1	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
13	0.0	11.1	22.2	0.0	0.0	11.1	22.2	0.0	11.1	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	100.
14	11.1	0.0	11.1	0.0	11.1	0.0	33.3	11.1	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	100.
15	0.0	11.1	11.1	0.0	11.1	0.0	11.1	44.4	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	100.
16	0.0	11.1	11.1	0.0	11.1	0.0	11.1	33.3	11.1	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	100.
17	11.1	11.1	0.0	0.0	0.0	11.1	22.2	33.3	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	100.
18	11.1	11.1	0.0	0.0	0.0	11.1	22.2	33.3	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	100.
19	0.0	11.1	0.0	0.0	0.0	11.1	33.3	22.2	0.0	0.0	0.0	0.0	0.0	11.1	0.0	11.1	0.0	100.
20	0.0	11.1	0.0	0.0	0.0	22.2	22.2	22.2	0.0	0.0	0.0	0.0	0.0	11.1	0.0	11.1	0.0	100.
21	0.0	11.1	0.0	0.0	0.0	11.1	44.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	11.1	11.1	0.0	100.
22	0.0	11.1	0.0	0.0	0.0	0.0	44.4	22.2	0.0	0.0	0.0	0.0	0.0	11.1	0.0	11.1	0.0	100.
23	0.0	11.1	0.0	0.0	0.0	0.0	44.4	22.2	0.0	0.0	0.0	0.0	0.0	11.1	0.0	11.1	0.0	100.
24	0.0	0.0	11.1	0.0	0.0	0.0	44.4	11.1	11.1	0.0	0.0	0.0	0.0	11.1	0.0	11.1	0.0	100.
ALL	4.1	8.6	7.7	3.2	3.2	10.9	31.2	14.9	4.5	1.4	0.9	1.4	0.9	3.2	0.9	3.2	0.0	100.

NUMBER OF OBS = 221

B53

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION APR-JUN 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JUNE

HR. OF DAY	WIND DIRECTION																CALM	TOTAL							
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW									
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NUMBER OF OBS = 0

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION APR-JUN 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

APR-JUN

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	6.7	6.7	0.0	6.7	0.0	20.0	26.7	6.7	6.7	6.7	0.0	0.0	0.0	6.7	6.7	0.0	0.0	100.
2	6.7	0.0	0.0	6.7	0.0	26.7	26.7	0.0	6.7	6.7	0.0	0.0	0.0	0.0	13.3	6.7	0.0	100.
3	13.3	6.7	0.0	6.7	6.7	20.0	20.0	6.7	6.7	6.7	0.0	0.0	0.0	0.0	6.7	0.0	0.0	100.
4	6.7	13.3	0.0	6.7	6.7	13.3	26.7	13.3	0.0	6.7	0.0	0.0	0.0	0.0	6.7	0.0	0.0	100.
5	6.7	13.3	6.7	0.0	6.7	13.3	33.3	6.7	0.0	6.7	0.0	0.0	0.0	0.0	6.7	0.0	0.0	100.
6	0.0	0.0	7.1	7.1	21.4	14.3	28.6	7.1	0.0	7.1	0.0	0.0	0.0	0.0	7.1	0.0	0.0	100.
7	0.0	14.3	0.0	7.1	14.3	21.4	28.6	0.0	7.1	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	100.
8	0.0	7.1	7.1	7.1	7.1	21.4	14.3	14.3	7.1	7.1	0.0	0.0	0.0	0.0	7.1	0.0	0.0	100.
9	0.0	0.0	14.3	7.1	0.0	21.4	14.3	7.1	14.3	7.1	0.0	7.1	0.0	0.0	7.1	0.0	0.0	100.
10	0.0	7.1	21.4	0.0	0.0	0.0	42.9	0.0	7.1	7.1	7.1	0.0	0.0	0.0	7.1	0.0	0.0	100.
11	7.1	0.0	14.3	7.1	0.0	14.3	21.4	7.1	14.3	7.1	0.0	0.0	0.0	0.0	7.1	0.0	0.0	100.
12	7.1	7.1	14.3	0.0	7.1	14.3	14.3	7.1	14.3	7.1	0.0	0.0	0.0	7.1	0.0	0.0	0.0	100.
13	7.1	7.1	14.3	0.0	0.0	21.4	14.3	7.1	7.1	7.1	7.1	0.0	0.0	7.1	0.0	0.0	0.0	100.
14	13.3	0.0	6.7	0.0	6.7	13.3	20.0	6.7	13.3	0.0	6.7	6.7	0.0	6.7	0.0	0.0	0.0	100.
15	6.7	6.7	6.7	0.0	13.3	6.7	6.7	33.3	0.0	6.7	0.0	6.7	0.0	6.7	0.0	0.0	0.0	100.
16	6.7	6.7	6.7	0.0	13.3	6.7	6.7	26.7	6.7	6.7	0.0	0.0	6.7	6.7	0.0	0.0	0.0	100.
17	13.3	6.7	0.0	0.0	13.3	6.7	13.3	26.7	0.0	6.7	0.0	0.0	6.7	6.7	0.0	0.0	0.0	100.
18	13.3	6.7	0.0	0.0	13.3	6.7	20.0	20.0	0.0	6.7	0.0	0.0	6.7	6.7	0.0	0.0	0.0	100.
19	6.7	6.7	0.0	0.0	13.3	6.7	26.7	13.3	6.7	0.0	0.0	0.0	6.7	6.7	0.0	6.7	0.0	100.
20	0.0	6.7	0.0	0.0	13.3	13.3	13.3	20.0	6.7	0.0	6.7	0.0	0.0	6.7	0.0	13.3	0.0	100.
21	0.0	6.7	0.0	0.0	13.3	6.7	26.7	13.3	6.7	6.7	0.0	0.0	0.0	0.0	6.7	13.3	0.0	100.
22	0.0	6.7	0.0	0.0	13.3	0.0	33.3	13.3	0.0	6.7	0.0	0.0	0.0	13.3	0.0	13.3	0.0	100.
23	0.0	6.7	6.7	0.0	13.3	0.0	33.3	13.3	0.0	6.7	0.0	0.0	0.0	6.7	0.0	13.3	0.0	100.
24	0.0	0.0	6.7	0.0	13.3	0.0	40.0	6.7	6.7	6.7	0.0	0.0	0.0	6.7	0.0	13.3	0.0	100.
ALL	5.1	6.0	5.4	2.6	8.8	11.9	23.0	11.6	5.7	5.7	1.1	0.9	1.1	4.3	3.4	3.4	0.0	100.

NUMBER OF OBS = 352

BSS

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JAN-JUN 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JAN-JUN

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	7.8	7.8	3.3	3.3	0.0	7.8	10.0	5.6	7.8	6.7	10.0	1.1	2.2	1.1	12.2	13.3	0.0	100.
2	12.2	2.2	2.2	1.1	5.6	5.6	7.8	4.4	7.8	4.4	10.0	2.2	2.2	3.3	11.1	15.6	2.2	100.
3	14.4	3.3	1.1	2.2	1.1	6.7	11.1	3.3	6.7	5.6	7.8	2.2	2.2	6.7	15.6	10.0	0.0	100.
4	13.3	7.8	0.0	2.2	1.1	6.7	8.9	5.6	5.6	6.7	5.6	2.2	2.2	5.6	12.2	14.4	0.0	100.
5	11.1	6.7	1.1	2.2	1.1	4.4	16.7	3.3	4.4	5.6	4.4	1.1	2.2	3.3	12.2	16.9	1.1	100.
6	8.0	3.4	3.4	1.1	4.5	3.4	14.8	9.1	2.3	5.7	4.5	1.1	2.3	5.7	8.0	21.6	1.1	100.
7	10.3	3.4	4.6	1.1	2.3	5.7	13.8	6.9	6.9	6.9	2.3	1.1	2.3	3.4	10.3	18.4	0.0	100.
8	12.6	3.4	4.6	1.1	2.3	5.7	12.6	3.4	10.3	5.7	5.7	1.1	3.4	2.3	10.3	14.9	0.0	100.
9	6.8	6.8	5.7	2.3	1.1	4.5	13.6	3.4	9.1	8.0	4.5	3.4	2.3	4.5	8.0	15.9	0.0	100.
10	7.9	6.7	5.6	2.2	2.2	4.5	15.7	2.2	9.0	5.6	6.7	0.0	4.5	4.5	6.7	15.7	0.0	100.
11	11.2	5.6	5.6	3.4	0.0	3.4	11.2	5.6	9.0	10.1	4.5	1.1	2.2	5.6	7.9	12.4	1.1	100.
12	13.5	6.7	4.5	1.1	2.2	5.6	9.0	7.9	9.0	5.6	6.7	1.1	3.4	3.4	11.2	9.0	0.0	100.
13	10.2	6.8	4.5	1.1	1.1	4.5	13.6	5.7	8.0	9.1	4.5	0.0	4.5	4.5	9.1	12.5	0.0	100.
14	12.2	3.3	5.6	1.1	3.3	3.3	10.0	6.7	10.0	7.8	4.4	4.4	2.2	4.4	11.1	10.0	0.0	100.
15	11.2	4.5	4.5	1.1	2.2	4.5	10.1	9.0	4.5	11.2	3.4	2.2	4.5	5.6	7.9	13.5	0.0	100.
16	9.0	3.4	2.2	2.2	4.5	5.6	6.7	9.0	6.7	10.1	1.1	2.2	5.6	4.5	14.6	12.4	0.0	100.
17	10.1	5.6	3.4	2.2	5.6	2.2	6.7	10.1	6.7	9.0	3.4	1.1	3.4	4.5	13.5	12.4	0.0	100.
18	10.1	6.7	2.2	2.2	3.4	5.6	7.9	7.9	9.0	10.1	0.0	3.4	2.2	2.2	10.1	15.7	1.1	100.
19	7.9	9.0	1.1	4.5	2.2	4.5	10.1	6.7	7.9	9.0	3.4	2.2	4.5	1.1	4.5	20.2	1.1	100.
20	7.9	10.1	1.1	2.2	2.2	9.0	9.0	7.9	6.7	10.1	3.4	2.2	2.2	2.2	5.6	16.9	1.1	100.
21	7.9	6.7	4.5	3.4	4.5	2.2	11.2	10.1	5.6	11.2	4.5	0.0	2.2	3.4	6.7	15.7	0.0	100.
22	6.7	9.0	2.2	1.1	4.5	3.4	12.4	9.0	6.7	7.9	6.7	0.0	1.1	6.7	4.5	18.0	0.0	100.
23	7.9	9.0	1.1	3.4	5.6	2.2	11.2	7.9	5.6	12.4	5.6	1.1	0.0	2.2	7.9	16.9	0.0	100.
24	12.4	1.1	6.7	2.2	3.4	2.2	12.4	5.6	10.1	6.7	10.1	2.2	0.0	1.1	9.0	14.6	0.0	100.
ALL	10.1	5.8	3.4	2.1	2.8	4.7	11.1	6.5	7.3	8.0	5.2	1.6	2.7	3.8	9.6	14.9	0.4	100.

NUMBER OF OBS = 2135

B56

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JUL-SEP 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JULY

HR. OF DAY	WIND DIRECTION																CALM	TOTAL							
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW									
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NUMBER OF OBS = 0

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JUL-SEP 1995

PROGRAM: WIMPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

AUGUST

HR. OF DAY	WIND DIRECTION																CALM	TOTAL						
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW								
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NUMBER OF OBS = 0

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JUL-SEP 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

SEPTEMBER

HR. OF DAY	WIND DIRECTION																CALM	TOTAL					
	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW								
1	0.0	0.0	0.0	0.0	0.0	0.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.	
2	0.0	0.0	0.0	0.0	0.0	0.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
3	0.0	0.0	0.0	0.0	0.0	0.0	25.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
6	0.0	0.0	0.0	0.0	0.0	25.0	0.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
7	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
8	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
9	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
10	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
11	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
12	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
13	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
14	0.0	0.0	0.0	0.0	0.0	0.0	50.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
15	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
16	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
17	0.0	0.0	0.0	0.0	0.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
18	0.0	0.0	0.0	0.0	0.0	0.0	40.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
19	0.0	0.0	0.0	0.0	0.0	20.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
20	0.0	0.0	0.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
21	0.0	0.0	0.0	0.0	0.0	20.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
22	0.0	0.0	0.0	0.0	0.0	0.0	20.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
23	0.0	0.0	0.0	0.0	0.0	0.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
24	0.0	0.0	0.0	0.0	0.0	0.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
ALL	0.0	0.0	0.0	0.0	0.0	9.7	22.3	33.0	20.4	2.9	2.9	4.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.

NUMBER OF OBS = 163

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JUL-SEP 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JUL-SEP

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
6	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
7	0.0	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
8	0.0	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
9	0.0	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
11	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	100.
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	100.
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	50.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	100.
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	100.
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	100.
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	100.
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	40.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	100.
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	40.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	100.
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	60.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	100.
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	60.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	100.
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	60.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	100.
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	40.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	100.
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	40.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	100.
ALL	0.0	0.0	0.0	0.0	0.0	0.0	9.7	22.3	33.0	20.4	2.9	2.9	4.9	3.9	0.0	0.0	0.0	100.

NUMBER OF OBS = 103

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION OCT-DEC 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

OCTOBER

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	3.2	6.5	3.2	0.0	0.0	6.5	6.5	12.9	12.9	12.9	3.2	0.0	3.2	22.6	6.5	0.0	0.0	100.
2	3.2	3.2	3.2	0.0	0.0	6.5	6.5	6.5	19.4	9.7	3.2	3.2	6.5	16.1	6.5	6.5	0.0	100.
3	3.2	0.0	6.5	0.0	0.0	6.5	3.2	9.7	19.4	6.5	9.7	0.0	6.5	16.1	12.9	0.0	0.0	100.
4	0.0	3.2	3.2	3.2	0.0	6.5	0.0	12.9	22.6	6.5	3.2	3.2	9.7	12.9	12.9	0.0	0.0	100.
5	0.0	0.0	3.2	3.2	3.2	6.5	3.2	6.5	19.4	9.7	3.2	0.0	22.6	9.7	9.7	0.0	0.0	100.
6	0.0	0.0	3.2	3.2	3.2	6.5	0.0	6.5	19.4	6.5	0.0	0.0	19.4	16.1	16.1	0.0	0.0	100.
7	0.0	0.0	6.5	0.0	3.2	6.5	3.2	9.7	9.7	6.5	6.5	0.0	12.9	16.1	16.1	3.2	0.0	100.
8	0.0	0.0	6.5	0.0	0.0	9.7	9.7	3.2	6.5	12.9	0.0	6.5	9.7	22.6	9.7	3.2	0.0	100.
9	0.9	0.0	3.2	3.2	0.0	9.7	12.9	3.2	6.5	12.9	3.2	0.0	6.5	16.1	19.4	3.2	0.0	100.
10	3.2	0.0	0.0	6.5	0.0	6.5	12.9	6.5	6.5	12.9	3.2	0.0	12.9	9.7	12.9	6.5	0.0	100.
11	3.2	3.2	0.0	3.2	3.2	3.2	9.7	9.7	6.5	6.5	12.9	0.0	6.5	12.9	19.4	0.0	0.0	100.
12	3.3	3.3	0.0	3.3	0.0	3.3	13.3	3.3	6.7	10.0	10.0	0.0	10.0	13.3	20.0	0.0	0.0	100.
13	0.0	0.0	3.2	3.2	3.2	3.2	6.5	9.7	6.5	16.1	3.2	3.2	9.7	12.9	16.1	3.2	0.0	100.
14	3.2	0.0	0.0	3.2	3.2	9.7	9.7	6.5	3.2	6.5	6.5	9.7	9.7	9.7	19.4	0.0	0.0	100.
15	3.2	0.0	0.0	3.2	3.2	6.5	12.9	6.5	9.7	9.7	0.0	12.9	6.5	9.7	12.9	3.2	0.0	100.
16	6.5	0.0	3.2	0.0	3.2	3.2	16.1	9.7	6.5	6.5	9.7	3.2	9.7	12.9	9.7	0.0	0.0	100.
17	6.5	3.2	0.0	3.2	0.0	6.5	16.1	6.5	9.7	6.5	3.2	6.5	6.5	12.9	12.9	0.0	0.0	100.
18	6.5	3.2	3.2	3.2	3.2	6.5	16.1	3.2	9.7	12.9	0.0	0.0	0.0	6.5	22.6	0.0	3.2	100.
19	3.2	3.2	3.2	12.9	0.0	6.5	3.2	16.1	16.1	3.2	3.2	0.0	0.0	9.7	12.9	6.5	0.0	100.
20	3.2	3.2	3.2	3.2	9.7	6.5	3.2	16.1	12.9	3.2	6.5	0.0	0.0	6.5	16.1	6.5	0.0	100.
21	3.2	0.0	6.5	0.0	9.7	9.7	0.0	12.9	19.4	0.0	0.0	3.2	6.5	12.9	9.7	6.5	0.0	100.
22	3.2	0.0	3.2	3.2	6.5	6.5	6.5	16.1	16.1	0.0	0.0	0.0	9.7	12.9	12.9	3.2	0.0	100.
23	6.5	0.0	3.2	3.2	6.5	6.5	6.5	12.9	16.1	3.2	3.2	3.2	0.0	19.4	6.5	3.2	0.0	100.
24	6.5	0.0	6.5	0.0	3.2	12.9	3.2	9.7	16.1	9.7	3.2	0.0	3.2	19.4	0.0	6.5	0.0	100.
ALL	3.0	1.3	3.1	2.7	2.7	6.7	7.5	9.0	12.4	7.9	4.0	2.3	7.8	13.7	13.1	2.6	0.1	100.

NUMBER OF OBS = 743

B61

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION OCT-DEC 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

NOVEMBER

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	13.8	0.0	0.0	0.0	3.4	3.4	0.0	13.8	6.9	10.3	17.2	0.0	0.0	6.9	10.3	13.8	0.0	100.
2	10.3	3.4	0.0	3.4	0.0	0.0	0.0	20.7	3.4	6.9	13.8	6.9	0.0	6.9	10.3	13.8	0.0	100.
3	6.9	3.4	3.4	0.0	0.0	0.0	3.4	10.3	10.3	6.9	6.9	6.9	3.4	13.8	10.3	13.8	0.0	100.
4	13.8	0.0	3.4	0.0	0.0	0.0	3.4	10.3	10.3	6.9	3.4	6.9	6.9	10.3	17.2	6.9	0.0	100.
5	6.9	0.0	3.4	0.0	0.0	0.0	0.0	17.2	6.9	13.8	3.4	3.4	6.9	6.9	13.8	17.2	0.0	100.
6	6.9	3.4	3.4	0.0	0.0	0.0	0.0	10.3	10.3	17.2	6.9	0.0	3.4	10.3	17.2	10.3	0.0	100.
7	13.8	0.0	0.0	0.0	0.0	3.4	3.4	13.8	10.3	13.8	3.4	0.0	0.0	6.9	17.2	13.8	0.0	100.
8	6.7	0.0	0.0	3.3	0.0	0.0	3.3	16.7	13.3	13.3	3.3	0.0	3.3	3.3	10.0	23.3	0.0	100.
9	13.3	0.0	0.0	0.0	0.0	0.0	3.3	13.3	16.7	13.3	6.7	0.0	0.0	6.7	10.0	16.7	0.0	100.
10	6.7	10.0	0.0	0.0	0.0	0.0	3.3	6.7	13.3	13.3	16.7	0.0	3.3	3.3	13.3	10.0	0.0	100.
11	6.7	6.7	0.0	0.0	3.3	0.0	6.7	6.7	6.7	16.7	6.7	6.7	0.0	6.7	13.3	13.3	0.0	100.
12	10.0	0.0	3.3	0.0	0.0	3.3	6.7	6.7	10.0	13.3	3.3	3.3	10.0	6.7	13.3	10.0	0.0	100.
13	6.7	0.0	0.0	0.0	0.0	3.3	6.7	10.0	6.7	16.7	3.3	0.0	10.0	16.7	10.0	10.0	0.0	100.
14	3.3	0.0	0.0	0.0	0.0	0.0	3.3	16.7	13.3	6.7	6.7	3.3	3.3	10.0	13.3	20.0	0.0	100.
15	6.7	0.0	0.0	0.0	0.0	3.3	10.0	10.0	13.3	6.7	6.7	0.0	6.7	10.0	6.7	20.0	0.0	100.
16	3.3	0.0	0.0	0.0	0.0	6.7	6.7	10.0	16.7	6.7	3.3	0.0	3.3	10.0	13.3	20.0	0.0	100.
17	0.0	0.0	0.0	0.0	3.3	6.7	6.7	13.3	10.0	6.7	6.7	3.3	0.0	10.0	6.7	26.7	0.0	100.
18	0.0	0.0	0.0	0.0	6.7	3.3	6.7	20.0	10.0	3.3	3.3	0.0	3.3	6.7	13.3	23.3	0.0	100.
19	6.7	3.3	0.0	0.0	0.0	3.3	3.3	20.0	13.3	3.3	0.0	3.3	3.3	3.3	16.7	20.0	0.0	100.
20	10.0	3.3	0.0	0.0	0.0	3.3	6.7	16.7	16.7	0.0	0.0	3.3	3.3	3.3	3.3	30.0	0.0	100.
21	16.7	0.0	0.0	0.0	3.3	0.0	6.7	10.0	23.3	0.0	0.0	0.0	6.7	3.3	13.3	16.7	0.0	100.
22	10.0	0.0	0.0	3.3	6.7	0.0	6.7	10.0	13.3	10.0	3.3	0.0	3.3	6.7	16.7	10.0	0.0	100.
23	10.0	0.0	0.0	0.0	6.7	0.0	0.0	10.0	23.3	6.7	3.3	0.0	3.3	10.0	13.3	13.3	0.0	100.
24	10.0	3.3	0.0	3.3	3.3	0.0	3.3	6.7	16.7	10.0	6.7	3.3	0.0	6.7	10.0	16.7	0.0	100.
ALL	8.3	1.5	0.7	0.6	1.5	1.7	4.2	12.5	12.3	9.3	5.6	2.1	3.5	7.7	12.2	16.3	0.0	100.

NUMBER OF OBS = 713

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION OCT-DEC 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

DECEMBER

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	6.5	0.0	6.5	3.2	3.2	6.5	6.5	6.5	9.7	3.2	6.5	12.9	6.5	6.5	9.7	6.5	0.0	100.
2	6.5	0.0	9.7	0.0	3.2	6.5	6.5	3.2	16.1	3.2	3.2	6.5	6.5	6.5	12.9	9.7	0.0	100.
3	9.7	0.0	9.7	0.0	3.2	6.5	6.5	3.2	16.1	0.0	9.7	3.2	3.2	12.9	3.2	12.9	0.0	100.
4	6.5	6.5	6.5	0.0	3.2	9.7	3.2	0.0	19.4	0.0	12.9	6.5	0.0	3.2	12.9	9.7	0.0	100.
5	6.5	6.5	3.2	3.2	0.0	9.7	9.7	6.5	9.7	0.0	9.7	9.7	0.0	3.2	12.9	9.7	0.0	100.
6	9.7	3.2	3.2	0.0	3.2	9.7	12.9	3.2	12.9	0.0	3.2	0.0	12.9	3.2	9.7	12.9	0.0	100.
7	9.7	3.2	3.2	3.2	3.2	9.7	6.5	6.5	12.9	0.0	0.0	6.5	9.7	6.5	3.2	16.1	0.0	100.
8	9.7	0.0	9.7	3.2	0.0	6.5	6.5	12.9	9.7	0.0	3.2	0.0	9.7	6.5	9.7	12.9	0.0	100.
9	12.9	6.5	3.2	3.2	0.0	9.7	3.2	3.2	19.4	3.2	0.0	0.0	0.0	19.4	6.5	9.7	0.0	100.
10	9.7	6.5	3.2	3.2	6.5	6.5	3.2	3.2	19.4	3.2	0.0	0.0	0.0	12.9	12.9	9.7	0.0	100.
11	22.6	0.0	3.2	3.2	6.5	9.7	0.0	6.5	16.1	3.2	0.0	3.2	3.2	3.2	12.9	6.5	0.0	100.
12	16.1	6.5	3.2	6.5	3.2	9.7	0.0	3.2	19.4	3.2	3.2	0.0	3.2	6.5	6.5	9.7	0.0	100.
13	9.7	3.2	6.5	9.7	3.2	6.5	0.0	9.7	12.9	3.2	3.2	0.0	3.2	3.2	6.5	19.4	0.0	100.
14	6.5	0.0	0.0	12.9	12.9	3.2	3.2	9.7	3.2	12.9	0.0	3.2	3.2	3.2	9.7	16.1	0.0	100.
15	6.5	0.0	6.5	9.7	16.1	0.0	3.2	9.7	6.5	6.5	0.0	3.2	3.2	3.2	16.1	9.7	0.0	100.
16	6.5	6.5	3.2	9.7	12.9	0.0	3.2	6.5	12.9	0.0	3.2	0.0	6.5	6.5	12.9	9.7	0.0	100.
17	6.5	6.5	0.0	9.7	12.9	0.0	3.2	6.5	16.1	0.0	3.2	0.0	6.5	6.5	16.1	6.5	0.0	100.
18	6.5	3.2	3.2	9.7	9.7	3.2	9.7	0.0	12.9	0.0	6.5	0.0	6.5	3.2	19.4	6.5	0.0	100.
19	3.2	6.5	3.2	9.7	6.5	9.7	6.5	0.0	9.7	3.2	3.2	3.2	6.5	6.5	9.7	12.9	0.0	100.
20	9.7	3.2	6.5	6.5	9.7	3.2	9.7	0.0	9.7	3.2	3.2	3.2	3.2	9.7	9.7	9.7	0.0	100.
21	12.9	6.5	16.1	0.0	3.2	3.2	9.7	0.0	6.5	6.5	0.0	6.5	12.9	3.2	6.5	6.5	0.0	100.
22	12.9	16.1	3.2	3.2	3.2	0.0	12.9	0.0	3.2	9.7	9.7	6.5	3.2	6.5	3.2	6.5	0.0	100.
23	19.4	0.0	3.2	3.2	6.5	0.0	12.9	3.2	3.2	9.7	9.7	3.2	6.5	6.5	3.2	9.7	0.0	100.
24	9.7	3.2	6.5	3.2	0.0	9.7	6.5	3.2	3.2	12.9	3.2	9.7	6.5	6.5	6.5	9.7	0.0	100.
ALL	9.8	3.9	5.1	4.8	5.5	5.8	6.0	4.4	11.7	3.6	4.0	3.6	5.1	6.5	9.7	10.3	0.0	100.

NUMBER OF OBS = 744

B63

NPPD-COOPER NUCLEAR STATION 130-M WIND DIRECTION OCT-DEC 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

OCT-DEC

HR. OF DAY	WIND DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		CALM
1	7.7	2.2	3.3	1.1	2.2	5.5	4.4	11.0	9.9	8.8	8.8	4.4	3.3	12.1	8.8	6.6	0.0	100.
2	6.6	2.2	4.4	1.1	1.1	4.4	4.4	9.9	13.2	6.6	6.6	5.5	4.4	9.9	9.9	9.9	0.0	100.
3	6.6	1.1	6.6	0.0	1.1	4.4	4.4	7.7	15.4	4.4	8.8	3.3	4.4	14.3	8.8	8.8	0.0	100.
4	6.6	3.3	4.4	1.1	1.1	5.5	2.2	7.7	17.6	4.4	6.6	5.5	5.5	8.8	14.3	5.5	0.0	100.
5	4.4	2.2	3.3	2.2	1.1	5.5	4.4	9.9	12.1	7.7	5.5	4.4	9.9	6.6	12.1	8.8	0.0	100.
6	5.5	2.2	3.3	1.1	2.2	5.5	4.4	6.6	14.3	7.7	3.3	0.0	12.1	9.9	14.3	7.7	0.0	100.
7	7.7	1.1	3.3	1.1	2.2	6.6	4.4	9.9	11.0	6.6	3.3	2.2	7.7	9.9	12.1	11.0	0.0	100.
8	5.5	0.0	5.4	2.2	0.0	5.4	6.5	10.9	9.8	8.7	2.2	2.2	7.6	10.9	9.8	13.0	0.0	100.
9	8.7	2.2	2.2	2.2	0.0	6.5	6.5	6.5	14.1	9.8	3.3	0.0	2.2	14.1	12.0	9.8	0.0	100.
10	6.5	5.4	1.1	3.3	2.2	4.3	6.5	5.4	13.0	9.8	6.5	0.0	5.4	8.7	13.0	8.7	0.0	100.
11	10.9	3.3	1.1	2.2	4.3	4.3	5.4	7.7	9.8	8.7	6.5	3.3	3.3	7.6	15.2	6.5	0.0	100.
12	9.9	3.3	2.2	3.3	1.1	5.5	6.6	4.4	12.1	8.8	5.5	1.1	7.7	8.8	13.2	6.6	0.0	100.
13	5.4	1.1	3.3	4.3	2.2	4.3	4.3	9.8	8.7	12.0	3.3	1.1	7.6	10.9	10.9	10.9	0.0	100.
14	4.3	0.0	0.0	5.4	5.4	4.3	5.4	10.9	6.5	8.7	4.3	5.4	5.4	7.6	14.1	12.0	0.0	100.
15	5.4	0.0	2.2	4.3	6.5	3.3	8.7	8.7	9.8	7.6	2.2	5.4	5.4	7.6	12.0	10.9	0.0	100.
16	5.4	2.2	2.2	3.3	5.4	3.3	8.7	8.7	12.0	4.3	5.4	1.1	6.5	9.8	12.0	9.8	0.0	100.
17	4.3	3.3	0.0	4.3	5.4	4.3	8.7	8.7	12.0	4.3	4.3	3.3	4.3	9.8	12.0	10.9	0.0	100.
18	4.3	2.2	2.2	4.3	6.5	4.3	10.9	7.6	10.9	5.4	3.3	0.0	3.3	5.4	18.5	9.8	1.1	100.
19	4.3	4.3	2.2	7.6	2.2	6.5	4.3	12.0	13.0	3.3	2.2	2.2	3.3	6.5	13.0	13.0	0.0	100.
20	7.6	3.3	3.3	3.3	6.5	4.3	6.5	10.9	13.0	2.2	3.3	2.2	2.2	6.5	9.8	15.2	0.0	100.
21	10.9	2.2	7.6	0.0	5.4	4.3	5.4	7.6	16.3	2.2	0.0	3.3	8.7	6.5	9.8	9.8	0.0	100.
22	8.7	5.4	2.2	3.3	5.4	2.2	8.7	8.7	10.9	6.5	4.3	2.2	5.4	8.7	10.9	6.5	0.0	100.
23	12.0	0.0	2.2	2.2	6.5	2.2	6.5	8.7	14.1	6.5	5.4	2.2	3.3	12.0	7.6	8.7	0.0	100.
24	8.7	2.2	4.3	2.2	2.2	7.6	4.3	6.5	12.0	10.9	4.3	4.3	3.3	10.9	5.4	10.9	0.0	100.
ALL	7.0	2.3	3.0	2.7	3.3	4.8	6.0	8.6	12.1	6.9	4.5	2.7	5.5	9.3	11.6	9.6	0.0	100.

NUMBER OF OBS = 2200

B64

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JUL-DEC 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JUL-DEC

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	7.4	2.1	3.2	1.1	2.1	5.3	4.2	11.6	11.6	9.5	8.4	4.2	3.2	11.6	8.4	6.3	0.0	100.
2	6.3	2.1	4.2	1.1	1.1	4.2	4.2	10.5	14.7	7.4	6.3	5.3	4.2	9.5	9.5	9.5	0.0	100.
3	6.3	1.1	6.3	0.0	1.1	4.2	4.2	8.4	15.8	6.3	8.4	3.2	4.2	13.7	8.4	8.4	0.0	100.
4	6.3	3.2	4.2	1.1	1.1	5.3	2.1	7.4	18.9	6.3	6.3	5.3	5.3	8.4	13.7	5.3	0.0	100.
5	4.2	2.1	3.2	2.1	1.1	5.3	4.2	9.5	13.7	9.5	5.3	4.2	9.5	6.3	11.6	8.4	0.0	100.
6	5.3	2.1	3.2	1.1	2.1	5.3	5.3	6.3	14.7	9.5	3.2	0.0	11.6	9.5	13.7	7.4	0.0	100.
7	7.4	1.1	3.2	1.1	2.1	6.3	5.3	10.5	10.5	8.4	3.2	2.1	7.4	9.5	11.6	10.5	0.0	100.
8	5.2	0.0	5.2	2.1	0.0	5.2	7.3	11.5	9.4	10.4	2.1	2.1	7.3	10.4	9.4	12.5	0.0	100.
9	8.3	2.1	2.1	2.1	0.0	6.3	7.3	7.3	13.5	11.5	3.1	0.0	2.1	13.5	11.5	9.4	0.0	100.
10	6.3	5.2	1.0	3.1	2.1	4.2	6.3	7.3	12.5	10.4	7.3	0.0	5.2	8.3	12.5	8.3	0.0	100.
11	10.4	3.1	1.0	2.1	4.2	4.2	6.3	8.3	9.4	9.4	7.3	3.1	3.1	7.3	14.6	6.3	0.0	100.
12	9.5	3.2	2.1	3.2	1.1	5.3	7.4	4.2	13.7	8.4	6.3	1.1	7.4	8.4	12.6	6.3	0.0	100.
13	5.2	1.0	3.1	4.2	2.1	4.2	4.2	11.5	9.4	11.5	3.1	2.1	7.3	10.4	10.4	10.4	0.0	100.
14	4.2	0.0	0.0	5.2	5.2	4.2	5.2	11.5	8.3	8.3	4.2	6.3	5.2	7.3	13.5	11.5	0.0	100.
15	5.2	0.0	2.1	4.2	6.3	3.1	8.3	10.4	9.4	8.3	2.1	6.3	5.2	7.3	11.5	10.4	0.0	100.
16	5.2	2.1	2.1	3.1	5.2	3.1	8.3	10.4	12.5	4.2	5.2	1.0	7.3	9.4	11.5	9.4	0.0	100.
17	4.2	3.1	0.0	4.2	5.2	4.2	9.4	9.4	12.5	4.2	4.2	3.1	4.2	10.4	11.5	10.4	0.0	100.
18	4.1	2.1	2.1	4.1	6.2	4.1	10.3	9.3	12.4	5.2	3.1	0.0	3.1	6.2	17.5	9.3	1.0	100.
19	4.1	4.1	2.1	7.2	2.1	6.2	5.2	12.4	14.4	3.1	2.1	2.1	3.1	7.2	12.4	12.4	0.0	100.
20	7.2	3.1	5.1	3.1	6.2	4.1	7.2	10.3	15.5	2.1	3.1	2.1	2.1	7.2	9.3	14.4	0.0	100.
21	10.3	2.1	7.2	0.0	5.2	4.1	6.2	7.2	18.6	2.1	0.0	3.1	9.3	6.2	9.3	9.3	0.0	100.
22	8.2	5.2	2.1	3.1	5.2	2.1	8.2	9.3	13.4	6.2	4.1	2.1	6.2	8.2	10.3	6.2	0.0	100.
23	11.3	0.0	2.1	2.1	6.2	2.1	6.2	9.3	15.5	7.2	5.2	2.1	4.1	11.3	7.2	8.2	0.0	100.
24	8.2	2.1	4.1	2.1	2.1	7.2	4.1	7.2	13.4	11.3	4.1	4.1	4.1	10.3	5.2	10.3	0.0	100.
ALL	6.7	2.2	2.9	2.6	3.1	4.6	6.1	9.2	13.1	7.5	4.5	2.7	5.5	9.1	11.1	9.2	0.0	100.

NUMBER OF OBS = 2303

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JAN-DEC 1995

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JAN-DEC

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	7.6	4.9	3.2	2.2	1.1	6.5	7.0	8.6	9.7	8.1	9.2	2.7	2.7	6.5	10.3	9.7	0.0	100.
2	9.2	2.2	3.2	1.1	3.2	4.9	5.9	7.6	11.4	5.9	8.1	3.8	3.2	6.5	10.3	12.4	1.1	100.
3	10.3	2.2	3.8	1.1	1.1	5.4	7.5	5.9	11.4	5.9	8.1	2.7	3.2	10.3	11.9	9.2	0.0	100.
4	9.7	5.4	2.2	1.6	1.1	5.9	5.4	6.5	12.4	6.5	5.9	3.8	3.8	7.0	13.0	9.7	0.0	100.
5	7.6	4.3	2.2	2.2	1.1	4.9	10.3	6.5	9.2	7.6	4.9	2.7	5.9	4.9	11.9	13.5	0.5	100.
6	6.6	2.7	3.3	1.1	3.3	4.4	9.8	7.7	8.7	7.7	3.8	0.5	7.1	7.7	10.9	14.2	0.5	100.
7	8.8	2.2	3.8	1.1	2.2	6.0	9.3	8.8	8.8	7.7	2.7	1.6	4.9	6.6	11.0	14.3	0.0	100.
8	8.7	1.6	4.9	1.6	1.1	5.5	9.8	7.7	9.8	8.2	3.8	1.6	5.5	6.6	9.8	13.7	0.0	100.
9	7.6	4.3	3.8	2.2	0.5	5.4	10.3	5.4	11.4	9.8	3.8	1.6	2.2	9.2	9.8	12.5	0.0	100.
10	7.0	5.9	3.2	2.7	2.2	4.3	10.8	4.9	10.8	8.1	7.0	0.0	4.9	6.5	9.7	11.9	0.0	100.
11	10.8	4.3	3.2	2.7	2.2	3.8	8.6	7.0	9.2	9.7	5.9	2.2	2.7	6.5	11.4	9.2	0.5	100.
12	11.4	4.9	3.3	2.2	1.6	5.4	8.2	6.0	11.4	7.1	6.5	1.1	5.4	6.0	12.0	7.6	0.0	100.
13	7.6	3.8	3.8	2.7	1.6	4.3	8.7	8.7	8.7	10.3	3.8	1.1	6.0	7.6	9.8	11.4	0.0	100.
14	8.1	1.6	2.7	3.2	4.3	3.8	7.5	9.1	9.1	8.1	4.3	5.4	3.8	5.9	12.4	10.8	0.0	100.
15	8.1	2.2	3.2	2.7	4.3	3.8	9.2	9.7	7.0	9.7	2.7	4.3	4.9	6.5	9.7	11.9	0.0	100.
16	7.0	2.7	2.2	2.7	4.9	4.3	7.6	9.7	9.7	7.0	3.2	1.6	6.5	7.0	13.0	10.8	0.0	100.
17	7.0	4.3	1.6	3.2	5.4	3.2	8.1	9.7	9.7	6.5	3.8	2.2	3.8	7.6	12.4	11.4	0.0	100.
18	7.0	4.3	2.2	3.2	4.8	4.8	9.1	8.6	10.8	7.5	1.6	1.6	2.7	4.3	14.0	12.4	1.1	100.
19	5.9	6.5	1.6	5.9	2.2	5.4	7.5	9.7	11.3	5.9	2.7	2.2	3.8	4.3	8.6	16.1	0.5	100.
20	7.5	6.5	2.2	2.7	4.3	6.5	8.1	9.1	11.3	5.9	3.2	2.2	2.2	4.8	7.5	15.6	0.5	100.
21	9.1	4.3	5.9	1.6	4.8	3.2	8.6	8.6	12.4	6.5	2.2	1.6	5.9	4.8	8.1	12.4	0.0	100.
22	7.5	7.0	2.2	2.2	4.8	2.7	10.2	9.1	10.2	7.0	5.4	1.1	3.8	7.5	7.5	11.8	0.0	100.
23	9.7	4.3	1.6	2.7	5.9	2.2	8.6	8.6	10.8	9.7	5.4	1.6	2.2	7.0	7.5	12.4	0.0	100.
24	10.2	1.6	5.4	2.2	2.7	4.8	8.1	6.5	11.8	9.1	7.0	3.2	2.2	5.9	7.0	12.4	0.0	100.
ALL	8.3	3.9	3.1	2.4	3.0	4.6	8.5	7.9	10.3	7.7	4.8	2.2	4.1	6.6	10.4	12.0	0.2	100.

NUMBER OF OBS = 4438

B66

Precipitation

NFPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 1995

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12M 12MNT	TOTAL
95	1	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	6	0.10 0.00	0.10 0.00	0.10 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.40
95	1	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 1995

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDMT	TOTAL
95	1	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	27	0.10 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.20
95	1	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	1	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

MONTH OF JANUARY

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 6
 TOTAL DAYS WITH PRECIPITATION - 2
 TOTAL AMOUNT OF PRECIPITATION - 0.60 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.40 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 27 HOUR 2 - 0.10 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 6 HOUR 1 - 0.40 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 6 HOUR 1 - 0.40 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 6 HOUR 1 - 0.40 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 6 HOUR 1 - 0.40 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 503
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 4
 TOTAL DAYS WITH PRECIPITATION - 1
 TOTAL AMOUNT OF PRECIPITATION - 0.40 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.40 INCHES

B70

MONTH OF JANUARY

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	6	16	28	40	52
0.02	6	16	28	40	52
0.03	6	16	28	40	52
0.04	6	16	28	40	52
0.05	6	16	28	40	52
0.07	6	16	28	40	52
0.10	6	16	28	40	52
0.15	0	12	24	36	48
0.20	0	12	24	36	48
0.25	0	5	11	17	23
0.30	0	5	11	17	23
0.35	0	3	9	15	21
0.40	0	3	9	15	21
0.45	0	0	0	0	0
0.50	0	0	0	0	0
0.60	0	0	0	0	0
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B71

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 1995

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PH	2AM 2PH	3AM 3PH	4AM 4PH	5AM 5PH	6AM 6PH	7AM 7PH	8AM 8PH	9AM 9PH	10AM 10PH	11AM 11PH	12N 12MDNT	TOTAL
95	2	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	2	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	2	3	0.10	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
95	2	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	2	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	2	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.14
95	2	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	2	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	2	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	2	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	2	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	2	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	2	13	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
95	2	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	2	15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
95	2	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	2	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

RAIN VERSION # 2P

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 1995

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12M 12MDNT	TOTAL
95	2	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	2	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	2	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	2	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	2	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	2	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	2	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	2	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	2	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	2	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
95	2	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

MONTH OF FEBRUARY

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 672
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 9
TOTAL DAYS WITH PRECIPITATION - 7
TOTAL AMOUNT OF PRECIPITATION - 0.45 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
MAXIMUM DAILY PRECIPITATION - 0.14 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 27 HOUR 7 - 0.10 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 2 HOUR 21 - 0.16 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 2 HOUR 21 - 0.16 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 2 HOUR 21 - 0.16 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 5 HOUR 17 - 0.17 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 317
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 4
TOTAL DAYS WITH PRECIPITATION - 3
TOTAL AMOUNT OF PRECIPITATION - 0.18 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
MAXIMUM DAILY PRECIPITATION - 0.14 INCHES

MONTH OF FEBRUARY

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	9	42	78	114	145
0.02	7	30	54	78	97
0.03	6	26	50	74	93
0.04	5	20	38	56	74
0.05	3	18	36	54	72
0.07	3	18	36	54	72
0.10	3	18	36	54	72
0.15	0	1	7	13	23
0.20	0	0	0	0	0
0.25	0	0	0	0	0
0.30	0	0	0	0	0
0.35	0	0	0	0	0
0.40	0	0	0	0	0
0.45	0	0	0	0	0
0.50	0	0	0	0	0
0.60	0	0	0	0	0
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

RAIN VERSION # 2P

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 1995

YR	MON	DAY	1AM 1PH	2AM 2PH	3AM 3PH	4AM 4PH	5AM 5PH	6AM 6PH	7AM 7PH	8AM 8PH	9AM 9PH	10AM 10PH	11AM 11PH	12N 12MDNT	TOTAL
95	3	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	13	0.00	0.00	0.10	0.20	0.10	0.00	0.00	0.00	0.10	0.00	0.00	0.00	1.10
95	3	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	3	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 1995

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
95	3	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	3	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.20	0.00 0.00	0.20
95	3	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	3	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	3	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	3	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	3	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	3	25	0.00 0.20	0.00 0.30	0.00 0.20	0.00 0.00	0.00 0.10	0.00 0.20	0.00 0.10	0.00 0.20	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	3	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	1.40
95	3	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	3	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	3	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	3	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	3	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

MONTH OF MARCH

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
NUMBER OF MISSING HOURS - 1
TOTAL HOURS OF PRECIPITATION - 19
TOTAL DAYS WITH PRECIPITATION - 3
TOTAL AMOUNT OF PRECIPITATION - 2.70 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.30 INCHES
MAXIMUM DAILY PRECIPITATION - 1.40 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 25 HOUR 14 - 0.30 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 25 HOUR 13 - 1.00 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 25 HOUR 13 - 1.40 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 25 HOUR 13 - 1.40 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 25 HOUR 13 - 1.40 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 201
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF MARCH

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	19	44	62	80	98
0.02	19	44	62	80	98
0.03	19	44	62	80	98
0.04	19	44	62	80	98
0.05	19	44	62	80	98
0.07	19	44	62	80	98
0.10	19	44	62	80	98
0.15	7	38	59	77	95
0.20	7	38	59	77	95
0.25	1	25	45	57	69
0.30	1	25	45	57	69
0.35	0	21	41	54	66
0.40	0	21	41	54	66
0.45	0	10	31	46	58
0.50	0	10	31	46	58
0.60	0	9	23	39	51
0.70	0	8	14	32	44
0.80	0	4	10	21	33
0.90	0	2	9	18	30
1.00	0	1	8	16	28
1.10	0	0	7	13	25
1.20	0	0	6	12	18
1.30	0	0	5	11	17
1.40	0	0	4	10	16
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B79

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 2160
 NUMBER OF MISSING HOURS - 1
 TOTAL HOURS OF PRECIPITATION - 34
 TOTAL DAYS WITH PRECIPITATION - 12
 TOTAL AMOUNT OF PRECIPITATION - 3.75 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.30 INCHES
 MAXIMUM DAILY PRECIPITATION - 1.40 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 3 DAY 25 HOUR 14 - 0.30 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 3 DAY 25 HOUR 13 - 1.00 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 3 DAY 25 HOUR 13 - 1.40 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 3 DAY 25 HOUR 13 - 1.40 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 3 DAY 25 HOUR 13 - 1.40 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 1021
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 8
 TOTAL DAYS WITH PRECIPITATION - 4
 TOTAL AMOUNT OF PRECIPITATION - 0.58 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.40 INCHES

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	34	102	168	234	295
0.02	32	90	144	198	247
0.03	31	86	140	194	243
0.04	30	80	128	176	224
0.05	28	78	126	174	222
0.07	28	78	126	174	222
0.10	28	78	126	174	222
0.15	7	51	90	126	166
0.20	7	50	83	113	143
0.25	1	30	56	74	92
0.30	1	30	56	74	92
0.35	0	24	50	69	87
0.40	0	24	50	69	87
0.45	0	10	31	46	58
0.50	0	10	31	46	58
0.60	0	9	23	39	51
0.70	0	8	14	32	44
0.80	0	4	10	21	33
0.90	0	2	9	18	30
1.00	0	1	8	16	28
1.10	0	0	7	13	25
1.20	0	0	6	12	18
1.30	0	0	5	11	17
1.40	0	0	4	10	16
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

B81

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 1995

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
95	4	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	3	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
95	4	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	10	0.00	0.00	0.00	0.00	0.20	0.10	0.20	0.00	0.00	0.00	0.00	0.10	0.60
95	4	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	4	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 1995

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
95	4	18	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
95	4	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	4	20	0.00 0.00	0.10 0.00	0.00 0.00	0.20 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.50
95	4	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.10
95	4	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	4	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	4	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	4	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.30	0.00 0.20	0.00 0.00	0.50
95	4	26	0.00 0.10	0.00 0.00	0.00 0.10	0.00 0.20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.10 0.00	0.60
95	4	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	4	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	4	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	4	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.10	0.00 0.00	0.00 0.10	0.00 0.10	0.00 0.00	0.00 0.00	0.40

MONTH OF APRIL

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 720
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 25
TOTAL DAYS WITH PRECIPITATION - 9
TOTAL AMOUNT OF PRECIPITATION - 3.20 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.30 INCHES
MAXIMUM DAILY PRECIPITATION - 0.60 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 25 HOUR 22 - 0.30 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 26 HOUR 11 - 0.60 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 26 HOUR 11 - 0.60 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 25 HOUR 22 - 0.90 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 25 HOUR 22 - 1.10 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 17
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF APRIL

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	25	74	116	152	188
0.02	25	74	116	152	188
0.03	25	74	116	152	188
0.04	25	74	116	152	188
0.05	25	74	116	152	188
0.07	25	74	116	152	188
0.10	25	74	116	152	188
0.15	6	44	75	100	124
0.20	6	44	75	100	124
0.25	1	35	66	93	117
0.30	1	35	66	93	117
0.35	0	20	50	79	103
0.40	0	20	50	79	103
0.45	0	13	37	61	79
0.50	0	13	37	61	79
0.60	0	1	12	29	41
0.70	0	0	0	5	11
0.80	0	0	0	4	10
0.90	0	0	0	1	7
1.00	0	0	0	0	6
1.10	0	0	0	0	6
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.76	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B85

RAIN VERSION # 2P

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 1995

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12M 12MDNT	TOTAL
95	5	1	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
95	5	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	3	0.10 0.00	0.00 0.00	0.00 0.10	0.10 0.10	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.10 0.10	0.00 0.10	0.00 0.10	0.00 0.00	0.60
95	5	4	0.10 0.00	0.00 0.10	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.10	0.00 0.00	0.60
95	5	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	7	0.00 0.20	0.00 0.70	0.00 0.40	0.00 0.20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.10	1.70
95	5	8	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.30	0.00 0.00	0.00 0.00	0.00 0.00	0.50
95	5	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	10	0.00 0.00	0.20 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.30
95	5	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	12	0.00 0.10	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.20	0.20 0.60	0.30 0.00	1.50
95	5	13	0.10 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.20
95	5	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.10	0.30

RAIN VERSION # 2P

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 1995

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
95	5	18	0.30 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.40
95	5	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.50	0.00 0.80	0.10 0.00	0.00 0.00	1.40
95	5	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.60 0.10	0.20 0.00	0.30 0.00	0.00 0.00	0.00 0.00	0.00 0.00	1.20
95	5	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	26	0.00 0.20	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.30
95	5	27	0.10 0.00	0.00 0.00	0.00 0.00	0.20 0.00	0.30 0.00	0.30 0.00	0.30 0.00	0.10 0.00	0.10 0.00	0.10 0.00	0.00 0.00	0.00 0.00	1.50
95	5	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	5	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.20	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.10	0.50

MONTH OF MAY

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 60
TOTAL DAYS WITH PRECIPITATION - 15
TOTAL AMOUNT OF PRECIPITATION - 11.30 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.80 INCHES
MAXIMUM DAILY PRECIPITATION - 1.70 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 22 HOUR 22 - 0.80 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 7 HOUR 13 - 1.50 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 22 HOUR 21 - 2.10 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 22 HOUR 21 - 2.40 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 22 HOUR 21 - 2.50 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 0
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF MAY

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	60	179	256	306	348
0.02	60	179	256	306	348
0.03	60	179	256	306	348
0.04	60	179	256	306	348
0.05	60	179	256	306	348
0.07	60	179	256	306	348
0.10	60	179	256	306	348
0.15	22	123	203	258	301
0.20	22	123	203	258	301
0.25	13	78	161	226	277
0.30	13	78	161	226	277
0.35	6	49	115	173	226
0.40	6	49	115	173	226
0.45	5	46	99	155	211
0.50	5	46	99	155	211
0.60	4	38	81	122	174
0.70	2	32	67	94	134
0.80	1	29	59	84	113
0.90	0	24	57	82	106
1.00	0	18	51	78	102
1.10	0	18	43	70	94
1.20	0	13	34	66	93
1.30	0	11	32	57	81
1.40	0	3	21	53	80
1.50	0	3	16	42	68
1.60	0	0	5	21	47
1.70	0	0	4	17	39
1.80	0	0	3	9	18
1.90	0	0	3	9	15
2.00	0	0	1	7	15

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

RAIN VERSION # 2P

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 1995

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12M 12MDNT	TOTAL
95	6	1	0.10 0.00	0.10 0.00	0.20 0.10	0.10 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.70
95	6	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	4	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.20 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.30
95	6	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 9.99	0.20
95	6	6	9.99 0.00	9.99 0.00	9.99 0.00	9.99 0.00	9.99 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.50 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.50
95	6	8	0.00 0.00	0.00 0.00	1.60 3.00	0.20 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	2.00
95	6	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.90
95	6	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 9.99	0.00 9.99	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.90	0.00 0.00	0.00 0.00	0.00
95	6	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 1995

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
95	6	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.40	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.40
95	6	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	25	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.10 0.10	0.00 0.00	0.10 0.00	0.60
95	6	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
95	6	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	28	0.10 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.20
95	6	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	6	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

MONTH OF JUNE

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 720
NUMBER OF MISSING HOURS - 8
TOTAL HOURS OF PRECIPITATION - 25
TOTAL DAYS WITH PRECIPITATION - 9
TOTAL AMOUNT OF PRECIPITATION - 5.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 1.60 INCHES
MAXIMUM DAILY PRECIPITATION - 2.00 INCHES

1	HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY	8	HOUR	3	-	1.60	INCHES
6	HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY	8	HOUR	3	-	1.90	INCHES
12	HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY	8	HOUR	3	-	2.00	INCHES
18	HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY	8	HOUR	3	-	2.00	INCHES
24	HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY	7	HOUR	6	-	2.40	INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 0
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF JUNE

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	25	94	146	188	222
0.02	25	94	146	188	222
0.03	25	94	146	188	222
0.04	25	94	146	188	222
0.05	25	94	146	188	222
0.07	25	94	146	188	222
0.10	25	94	146	188	222
0.15	6	51	106	150	191
0.20	6	51	106	150	191
0.25	3	25	62	99	129
0.30	3	25	62	99	129
0.35	3	20	46	74	97
0.40	3	20	46	74	97
0.45	2	13	25	46	63
0.50	2	13	25	46	63
0.60	1	6	12	22	36
0.70	1	6	12	19	25
0.80	1	6	12	18	24
0.90	1	6	12	18	24
1.00	1	6	12	18	24
1.10	1	6	12	18	24
1.20	1	6	12	18	24
1.30	1	6	12	18	24
1.40	1	6	12	18	24
1.50	1	6	12	18	24
1.60	1	6	12	18	24
1.70	0	5	11	17	24
1.80	0	5	11	17	24
1.90	0	4	10	16	24
2.00	0	0	4	10	19

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 2184
NUMBER OF MISSING HOURS - 8
TOTAL HOURS OF PRECIPITATION - 110
TOTAL DAYS WITH PRECIPITATION - 33
TOTAL AMOUNT OF PRECIPITATION - 19.50 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 1.60 INCHES
MAXIMUM DAILY PRECIPITATION - 2.00 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 6 DAY 8 HOUR 3 - 1.60 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 6 DAY 8 HOUR 3 - 1.90 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 5 DAY 22 HOUR 21 - 2.10 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 5 DAY 22 HOUR 21 - 2.40 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 5 DAY 22 HOUR 21 - 2.50 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 17
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

1
PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	110	357	540	680	804
0.02	110	357	540	680	804
0.03	110	357	540	680	804
0.04	110	357	540	680	804
0.05	110	357	540	680	804
0.07	110	357	540	680	804
0.10	110	357	540	680	804
0.15	34	226	404	540	660
0.20	34	226	404	540	660
0.25	17	145	308	449	566
0.30	17	145	308	449	566
0.35	9	93	228	355	467
0.40	9	93	228	355	467
0.45	7	75	177	290	393
0.50	7	75	177	290	393
0.60	5	48	116	190	274
0.70	3	39	88	134	192
0.80	2	35	75	118	168
0.90	1	30	70	108	157
1.00	1	24	63	102	145
1.10	1	24	55	88	125
1.20	1	19	46	84	117
1.30	1	17	44	75	105
1.40	1	9	33	71	104
1.50	1	9	28	60	92
1.60	1	6	17	39	71
1.70	0	5	15	34	63
1.80	0	5	14	26	42
1.90	0	4	13	25	39
2.00	0	0	5	17	34

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 4344
 NUMBER OF MISSING HOURS - 9
 TOTAL HOURS OF PRECIPITATION - 144
 TOTAL DAYS WITH PRECIPITATION - 45
 TOTAL AMOUNT OF PRECIPITATION - 23.25 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 1.60 INCHES
 MAXIMUM DAILY PRECIPITATION - 2.00 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	6 DAY	8 HOUR	3 -	1.60 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	6 DAY	8 HOUR	3 -	1.90 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	5 DAY	22 HOUR	21 -	2.10 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	5 DAY	22 HOUR	21 -	2.40 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	5 DAY	22 HOUR	21 -	2.50 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 1038
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 8
 TOTAL DAYS WITH PRECIPITATION - 4
 TOTAL AMOUNT OF PRECIPITATION - 0.58 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.40 INCHES

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	144	459	708	914	1099
0.02	142	447	684	878	1051
0.03	141	443	680	874	1047
0.04	140	437	668	856	1028
0.05	138	435	666	854	1026
0.07	138	435	666	854	1026
0.10	138	435	666	854	1026
0.15	41	277	494	666	826
0.20	41	276	487	653	803
0.25	18	175	364	523	658
0.30	18	175	364	523	658
0.35	9	117	278	424	554
0.40	9	117	278	424	554
0.45	7	85	208	336	451
0.50	7	85	208	336	451
0.60	5	57	139	229	325
0.70	3	47	102	166	236
0.80	2	39	85	139	201
0.90	1	32	79	126	187
1.00	1	25	71	118	173
1.10	1	24	62	101	150
1.20	1	19	52	96	135
1.30	1	17	49	86	122
1.40	1	9	37	81	120
1.50	1	9	28	60	92
1.60	1	6	17	39	71
1.70	0	5	15	34	63
1.80	0	5	14	26	42
1.90	0	4	13	25	39
2.00	0	0	5	17	34

B97

RAIN VERSION # 2P

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 1995

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
95	7	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	4	0.30	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50
95	7	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	7	16	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
95	7	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

RAIN VERSION # 2.1

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 1995

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
95	7	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	7	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.20	0.00 0.40	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	7	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	7	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	7	22	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
95	7	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	7	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	7	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	7	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	7	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	7	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	7	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	7	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	7	31	0.00 0.00	0.00 0.00	0.00 0.50	0.00 0.40	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	1.00

MONTH OF JULY

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 21
 TOTAL DAYS WITH PRECIPITATION - 6
 TOTAL AMOUNT OF PRECIPITATION - 5.40 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.60 INCHES
 MAXIMUM DAILY PRECIPITATION - 2.50 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 15 HOUR 20 - 0.60 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 4 HOUR 14 - 1.20 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 4 HOUR 14 - 1.60 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 4 HOUR 1 - 2.00 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 4 HOUR 1 - 2.50 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 0
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 0
 TOTAL DAYS WITH PRECIPITATION - 0
 TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF JULY

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	21	60	90	114	138
0.02	21	60	90	114	138
0.03	21	60	90	114	138
0.04	21	60	90	114	138
0.05	21	60	90	114	138
0.07	21	60	90	114	138
0.10	21	60	90	114	138
0.15	12	45	71	89	107
0.20	12	45	71	89	107
0.25	8	43	70	88	106
0.30	8	43	70	88	106
0.35	7	39	66	84	102
0.40	7	39	66	84	102
0.45	4	35	63	81	99
0.50	4	35	63	81	99
0.60	2	27	56	74	92
0.70	0	26	55	74	92
0.80	0	20	50	69	87
0.90	0	14	40	53	65
1.00	0	9	24	37	49
1.10	0	5	12	19	25
1.20	0	1	8	18	24
1.30	0	0	5	18	24
1.40	0	0	4	18	24
1.50	0	0	4	16	23
1.60	0	0	4	16	23
1.70	0	0	0	5	13
1.80	0	0	0	5	13
1.90	0	0	0	4	12
2.00	0	0	0	4	12

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B101

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 1995

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12M 12MDNT	TOTAL
95	8	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	14	0.00 0.00	0.00 0.00	0.00 0.00	0.60 0.00	0.10 0.00	0.00 0.00	0.00 0.20	0.00 0.20	0.10 0.30	0.00 0.00	0.00 0.00	0.00 0.00	1.50
95	8	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.20
95	8	16	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
95	8	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

RAIN VERSION # 2P

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 1995

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
95	8	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	8	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

NPPD-COOPER NUCLEAR STATION PERCIPITATION DATA FOR JUL-SEP 1995

RAIN VERSION # 2P

MONTH OF AUGUST

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 9
TOTAL DAYS WITH PRECIPITATION - 3
TOTAL AMOUNT OF PRECIPITATION - 1.80 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.60 INCHES
MAXIMUM DAILY PRECIPITATION - 1.50 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 14 HOUR 4 - 0.60 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 14 HOUR 4 - 0.80 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 14 HOUR 4 - 0.80 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 14 HOUR 4 - 1.50 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 14 HOUR 4 - 1.50 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 0
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF AUGUST

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	9	30	46	58	69
0.02	9	30	46	58	69
0.03	9	30	46	58	69
0.04	9	30	46	58	69
0.05	9	30	46	58	69
0.07	9	30	46	58	69
0.10	9	30	46	58	69
0.15	4	21	39	53	65
0.20	4	21	39	53	65
0.25	2	14	33	48	60
0.30	2	14	33	48	60
0.35	1	12	24	34	41
0.40	1	12	24	34	41
0.45	1	11	24	34	40
0.50	1	11	24	34	40
0.60	1	10	22	33	39
0.70	0	9	21	32	38
0.80	0	1	7	18	24
0.90	0	0	0	4	10
1.00	0	0	0	3	9
1.10	0	0	0	2	8
1.20	0	0	0	2	8
1.30	0	0	0	1	7
1.40	0	0	0	1	7
1.50	0	0	0	1	7
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B105

NPPB-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 1995

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
95	9	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	2	0.00 0.00	0.60 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.60 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
95	9	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.05 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.60 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.60 0.00	0.00 0.00	0.00
95	9	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	12	0.00 0.00	0.60 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.80
95	9	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

MPPD-COOPER NUCLEAR STATION PERCIPITATION DATA FOR JUL-SEP 1995

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12M 12MDNT	TOTAL
95	9	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.20 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.30
95	9	19	0.20 0.00	0.10 0.00	0.20 0.00	0.10 0.00	0.10 0.00	0.20 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.90
95	9	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	9	29	0.00 0.00	0.00 0.00	0.00 0.00	0.40 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.50
95	9	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

MONTH OF SEPTEMBR

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 720
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 14
TOTAL DAYS WITH PRECIPITATION - 5
TOTAL AMOUNT OF PRECIPITATION - 2.60 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.60 INCHES
MAXIMUM DAILY PRECIPITATION - 0.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 12 HOUR 2 - 0.60 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 19 HOUR 1 - 0.90 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 18 HOUR 24 - 1.00 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 18 HOUR 24 - 1.00 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 18 HOUR 8 - 1.20 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 1
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF SEPTEMBR

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	14	45	81	114	138
0.02	14	45	81	114	138
0.03	14	45	81	114	138
0.04	14	45	81	114	138
0.05	14	45	81	114	138
0.07	14	45	81	114	138
0.10	14	45	81	114	138
0.15	6	29	53	77	95
0.20	6	29	53	77	95
0.25	2	22	40	59	77
0.30	2	22	40	59	77
0.35	2	20	38	57	75
0.40	2	20	38	57	75
0.45	1	16	34	53	72
0.50	1	16	34	53	72
0.60	1	12	24	36	49
0.70	0	9	21	33	46
0.80	0	2	8	14	28
0.90	0	1	7	13	21
1.00	0	0	6	12	19
1.10	0	0	0	0	2
1.20	0	0	0	0	2
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B109

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 2208
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 44
TOTAL DAYS WITH PRECIPITATION - 14
TOTAL AMOUNT OF PRECIPITATION - 9.80 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.60 INCHES
MAXIMUM DAILY PRECIPITATION - 2.50 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 9 DAY 12 HOUR 2 - 0.60 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 7 DAY 4 HOUR 14 - 1.20 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 7 DAY 4 HOUR 14 - 1.60 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 7 DAY 4 HOUR 1 - 2.00 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 7 DAY 4 HOUR 1 - 2.50 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 1
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	44	135	221	296	361
0.02	44	135	221	296	361
0.03	44	135	221	296	361
0.04	44	135	221	296	361
0.05	44	135	221	296	361
0.07	44	135	221	296	361
0.10	44	135	221	296	361
0.15	22	95	166	228	282
0.20	22	95	166	228	282
0.25	12	79	146	204	258
0.30	12	79	146	204	258
0.35	10	71	131	184	233
0.40	10	71	131	184	233
0.45	6	62	124	177	226
0.50	6	62	124	177	226
0.60	4	49	104	151	194
0.70	0	44	99	147	190
0.80	0	23	67	109	153
0.90	0	15	49	78	110
1.00	0	9	32	60	91
1.10	0	5	12	21	35
1.20	0	1	8	20	34
1.30	0	0	5	19	31
1.40	0	0	4	19	31
1.50	0	0	4	17	30
1.60	0	0	4	16	23
1.70	0	0	0	5	13
1.80	0	0	0	5	13
1.90	0	0	0	4	12
2.00	0	0	0	4	12

B111

RAIN VERSION # 2F

HPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 1995

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12M 12MDNT	TOTAL
95	10	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
95	10	6	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
95	10	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

RAIN VERSION # 2P

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 1995

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12NDNT	TOTAL
95	10	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	10	30	0.00 0.10	0.00 0.00	0.00 0.05	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.10 0.00	0.00 0.00	0.35
95	10	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.11

MONTH OF OCTOBER

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 7
TOTAL DAYS WITH PRECIPITATION - 4
TOTAL AMOUNT OF PRECIPITATION - 0.66 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.11 INCHES
MAXIMUM DAILY PRECIPITATION - 0.35 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 31 HOUR 19 - 0.11 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 30 HOUR 10 - 0.35 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 30 HOUR 10 - 0.35 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 30 HOUR 10 - 0.35 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 30 HOUR 10 - 0.35 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 3
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF OCTOBER

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	7	29	47	65	81
0.02	7	29	47	65	81
0.03	7	29	47	65	81
0.04	7	29	47	65	81
0.05	7	29	47	65	81
0.07	6	27	45	63	79
0.10	6	27	45	63	79
0.15	0	8	14	20	28
0.20	0	6	12	18	26
0.25	0	4	10	16	22
0.30	0	3	9	15	21
0.35	0	1	7	13	19
0.40	0	0	0	0	0
0.45	0	0	0	0	0
0.50	0	0	0	0	0
0.60	0	0	0	0	0
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

8115

RAIN VERSION # 2P

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 1995

YR	MO	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12M 12MDNT	TOTAL
95	11	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.40 0.00	0.10 0.00	0.10 0.00	0.10 0.00	0.00 0.00	0.80
95	11	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	6.69
95	11	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	6.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
95	11	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.10
95	11	15	0.10 0.00	0.16 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.26
95	11	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

RAIN VERSION # 2P

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 1995

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12M 12MDNT	TOTAL
95	11	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	19	0.00 0.00	0.00 0.00	0.00 0.00	0.50 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	11	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

MONTH OF NOVEMBER

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 720
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 9
TOTAL DAYS WITH PRECIPITATION - 4
TOTAL AMOUNT OF PRECIPITATION - 1.26 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.40 INCHES
MAXIMUM DAILY PRECIPITATION - 0.80 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 1 HOUR 8 - 0.40 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 1 HOUR 7 - 0.80 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 0 HOUR 0 - 0.00 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 0 HOUR 0 - 0.00 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 0 HOUR 0 - 0.00 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 228
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 1
TOTAL DAYS WITH PRECIPITATION - 1
TOTAL AMOUNT OF PRECIPITATION - 0.10 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
MAXIMUM DAILY PRECIPITATION - 0.10 INCHES

MONTH OF NOVEMBER

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	9	26	39	51	63
0.02	9	26	39	51	63
0.03	9	26	39	51	63
0.04	9	26	39	51	63
0.05	9	26	39	51	63
0.07	9	26	39	51	63
0.10	9	26	39	51	63
0.15	2	15	23	29	35
0.20	1	14	22	28	34
0.25	1	12	20	26	32
0.30	1	9	17	23	29
0.35	1	8	16	22	28
0.40	1	6	8	8	8
0.45	0	6	8	8	8
0.50	0	6	8	8	8
0.60	0	5	8	8	8
0.70	0	4	8	8	8
0.80	0	2	7	7	7
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B119

RAIN VERSION # 2P

NPPD-COOPER NUCLEAR STATION PERCIPITATION DATA FOR OCT-DEC 1995

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12M 12MDNT	TOTAL
95	12	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.01
95	12	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.04 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	5.14
95	12	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	15	0.00 0.00	0.00 0.00	0.00 0.50	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.30
95	12	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

RAIN VERSION # 2P

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 1995

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
95	12	18	0.00 0.10	0.00 0.02	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.12
95	12	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.01 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.01
95	12	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.01 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.01
95	12	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.01	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.02
95	12	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
95	12	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.02 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.02
95	12	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

MONTH OF DECEMBER

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 11
TOTAL DAYS WITH PRECIPITATION - 8
TOTAL AMOUNT OF PRECIPITATION - 0.63 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.30 INCHES
MAXIMUM DAILY PRECIPITATION - 0.30 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 15 HOUR 15 - 0.30 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 15 HOUR 15 - 0.30 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 15 HOUR 15 - 0.30 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 15 HOUR 15 - 0.30 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 15 HOUR 15 - 0.30 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 402
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 6
TOTAL DAYS WITH PRECIPITATION - 4
TOTAL AMOUNT OF PRECIPITATION - 0.18 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
MAXIMUM DAILY PRECIPITATION - 0.14 INCHES

MONTH OF DECEMBER

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	11	56	108	156	204
0.02	6	26	52	82	112
0.03	4	19	37	55	73
0.04	4	19	37	55	73
0.05	3	18	36	54	72
0.07	3	18	36	54	72
0.10	3	18	36	54	72
0.15	1	6	12	18	24
0.20	1	6	12	18	24
0.25	1	6	12	18	24
0.30	1	6	12	18	24
0.35	0	0	0	0	0
0.40	0	0	0	0	0
0.45	0	0	0	0	0
0.50	0	0	0	0	0
0.60	0	0	0	0	0
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

5123

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 2208
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 27
TOTAL DAYS WITH PRECIPITATION - 16
TOTAL AMOUNT OF PRECIPITATION - 2.55 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.40 INCHES
MAXIMUM DAILY PRECIPITATION - 0.80 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 11 DAY 1 HOUR 8 - 0.40 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 11 DAY 1 HOUR 7 - 0.80 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 11 DAY 1 HOUR 7 - 0.80 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 10 DAY 31 HOUR 19 - 0.91 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 10 DAY 31 HOUR 19 - 0.91 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 633
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 7
TOTAL DAYS WITH PRECIPITATION - 5
TOTAL AMOUNT OF PRECIPITATION - 0.28 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
MAXIMUM DAILY PRECIPITATION - 0.14 INCHES

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	27	111	205	289	371
0.02	22	81	149	215	279
0.03	20	74	134	188	240
0.04	20	74	134	188	240
0.05	19	73	133	187	239
0.07	18	71	131	185	237
0.10	18	71	131	185	237
0.15	3	29	53	78	104
0.20	2	26	50	75	101
0.25	2	22	46	70	94
0.30	2	18	42	66	90
0.35	1	9	27	45	63
0.40	1	6	12	18	24
0.45	0	6	12	18	24
0.50	0	6	12	18	24
0.60	0	5	11	18	24
0.70	0	4	10	17	23
0.80	0	2	8	15	21
0.90	0	0	0	2	8
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

B125

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 4416
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 71
TOTAL DAYS WITH PRECIPITATION - 30
TOTAL AMOUNT OF PRECIPITATION - 12.35 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.60 INCHES
MAXIMUM DAILY PRECIPITATION - 2.50 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 9 DAY 12 HOUR 2 - 0.60 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 7 DAY 4 HOUR 14 - 1.20 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 7 DAY 4 HOUR 14 - 1.60 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 7 DAY 4 HOUR 1 - 2.00 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 7 DAY 4 HOUR 1 - 2.50 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 634
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 7
TOTAL DAYS WITH PRECIPITATION - 5
TOTAL AMOUNT OF PRECIPITATION - 0.28 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
MAXIMUM DAILY PRECIPITATION - 0.14 INCHES

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)					
	1	6	12	18	24	
0.01	71	246	426	585	732	
0.02	66	216	370	511	640	
0.03	64	209	355	484	601	
0.04	64	209	355	484	601	
0.05	63	208	354	483	600	
0.07	62	206	352	481	598	
0.10	62	206	352	481	598	
0.15	25	124	219	306	386	
0.20	24	121	216	303	383	
0.25	14	101	192	274	352	
0.30	14	97	188	270	348	
0.35	11	80	158	229	296	
0.40	11	77	143	202	257	
0.45	6	68	136	195	250	
0.50	6	68	136	195	250	
0.60	4	54	115	169	218	
0.70	0	48	109	164	213	
0.80	0	25	75	124	174	
0.90	0	15	49	80	118	
1.00	0	9	32	60	91	
1.10	0	5	12	21	35	
1.20	0	1	8	20	34	
1.30	0	0	5	19	31	
1.40	0	0	4	19	31	
1.50	0	0	4	17	30	
1.60	0	0	4	16	23	
1.70	0	0	0	5	13	
1.80	0	0	0	5	13	
1.90	0	0	0	4	12	
2.00	0	0	0	4	12	

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ANNUAL INDEX

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 8760
 NUMBER OF MISSING HOURS - 9
 TOTAL HOURS OF PRECIPITATION - 215
 TOTAL DAYS WITH PRECIPITATION - 75
 TOTAL AMOUNT OF PRECIPITATION - 35.60 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 1.60 INCHES
 MAXIMUM DAILY PRECIPITATION - 2.50 INCHES

1 HOJR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 6 DAY 8 HOUR 3 - 1.60 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 6 DAY 8 HOUR 3 - 1.90 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 5 DAY 22 HOUR 21 - 2.10 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 5 DAY 22 HOUR 21 - 2.40 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 7 DAY 4 HOUR 1 - 2.50 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 1672
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 15
 TOTAL DAYS WITH PRECIPITATION - 9
 TOTAL AMOUNT OF PRECIPITATION - 0.86 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.40 INCHES

ANNUAL INDEX

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	215	705	1134	1499	1831
0.02	208	663	1054	1389	1691
0.03	205	652	1035	1358	1648
0.04	204	646	1023	1340	1629
0.05	201	643	1020	1337	1626
0.07	200	641	1018	1335	1624
0.10	200	641	1018	1335	1624
0.15	66	401	713	972	1212
0.20	65	397	703	956	1186
0.25	32	276	556	797	1010
0.30	22	272	552	793	1006
0.35	20	197	436	653	850
0.40	20	194	421	626	811
0.45	13	153	344	531	701
0.50	13	153	344	531	701
0.60	9	111	254	398	543
0.70	3	95	211	330	449
0.80	2	64	160	263	375
0.90	1	47	128	206	305
1.00	1	34	103	178	264
1.10	1	29	74	122	185
1.20	1	20	60	116	169
1.30	1	17	54	105	153
1.40	1	9	41	100	151
1.50	1	9	32	77	122
1.60	1	6	21	55	94
1.70	0	5	15	39	76
1.80	0	5	14	31	55
1.90	0	4	13	29	51
2.00	0	0	5	21	46

JOINT FREQUENCY DISTRIBUTION TABLES

The tables presented in this section are results obtained from processing of the hourly meteorological data collected at the Cooper Nuclear Station. The joint frequency distribution (JFD) tables represent the frequency of occurrence, in number of observations, that a particular wind speed, wind direction, and stability category occurred simultaneously. On a quarterly and semiannual basis, the JFDs were produced for wind speed and wind direction by atmospheric stability corresponding to the seven Pasquill stability classes, and for wind speed and wind direction for all stability categories combined. Atmospheric stability was classified per Regulatory Guide 1.23, using the 100-meter to 10-meter temperature difference (ΔT) for the 100-meter JFDs and the 60-meter to 10-meter ΔT for the 10-meter JFDs.

JFDs of 10-Meter Wind vs. Delta T

January-March 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-MAR 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 3/31/95

*** JAN-MAR 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	3
3.51- 7.50	11	1	2	8	7	7	1	1	0	1	0	0	1	2	1	0	43
7.51-12.50	20	4	0	0	1	4	4	5	6	1	1	0	0	1	1	5	53
12.51-18.50	1	0	0	0	0	1	12	4	5	1	1	0	0	3	5	8	41
18.51-24.00	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	4	7
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	33	5	3	8	8	12	18	10	13	3	2	0	1	6	8	17	147

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	0	0	0	0	2	1	0	0	0	1	0	0	1	1	0	7
3.51- 7.50	7	4	3	2	2	5	2	2	1	4	4	3	0	0	2	1	42
7.51-12.50	9	1	1	0	0	1	3	0	2	7	1	0	0	0	5	7	37
12.51-18.50	2	0	0	0	0	0	1	6	1	1	1	0	0	2	5	10	29
18.51-24.00	0	0	0	0	0	0	0	0	1	3	0	0	0	0	2	2	8
>24.00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2
TOTAL	19	5	4	2	2	8	7	8	6	15	7	3	0	3	15	21	125

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PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-MAR 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 3/31/95

*** JAN-MAR 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	2
3.51- 7.50	12	5	3	1	1	3	8	3	4	4	1	4	2	0	3	6	60
7.51-12.50	10	3	0	1	0	2	8	1	2	3	1	1	0	1	5	16	54
12.51-18.50	0	0	0	0	0	1	3	2	2	2	1	1	0	2	12	7	33
18.51-24.00	0	0	0	0	0	0	0	0	1	5	0	0	0	0	1	3	10
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	22	8	4	2	1	6	19	6									159

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	6	6	3	4	3	3	4	9	9	7	8	1	1	0	2	5	71
3.51- 7.50	37	32	15	7	16	23	40	8	14	12	5	6	13	8	18	22	276
7.51-12.50	28	9	0	1	9	4	44	7	17	7	2	2	8	19	83	49	289
12.51-18.50	4	0	0	0	1	7	17	4	24	5	1	3	6	16	31	52	171
18.51-24.00	0	0	0	0	0	0	1	0	4	5	5	6	12	8	7	20	68
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	3
TOTAL	75	47	18	12	29	37	106	28	68	36	21	18	42	52	141	148	878

B133

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-MAR 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 3/31/95

*** JAN-MAR 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	12	6	10	5	2	0	2	9	9	5	4	1	7	8	14	18	112
3.51- 7.50	18	2	1	7	3	9	19	10	21	17	4	2	4	12	34	35	192
7.51-12.50	6	2	0	0	0	0	16	7	15	10	10	3	0	6	25	28	128
12.51-18.50	0	0	0	0	0	0	9	10	4	4	1	2	1	1	9	13	54
18.51-24.00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	36	10	11	6	5	9	46	36	49	37	19	8	12	27	82	94	488

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	3	5	2	0	0	0	0	7	14	12	7	2	1	7	3	13	76
3.51- 7.50	2	0	0	0	0	0	1	7	26	16	2	1	3	2	1	3	64
7.51-12.50	0	0	0	0	0	0	0	0	11	7	0	1	5	4	1	2	31
12.51-18.50	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	3
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	5	5	2	0	0	0	1	14	52	35	9	5	9	14	5	18	175

B134

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-MAR 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 3/31/95

*** JAN-MAR 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	5	9	2	1	1	2	6	12	19	9	6	1	1	0	5	7	86
3.51- 7.50	2	0	0	0	0	0	0	1	6	2	0	0	0	0	0	2	13
7.51-12.50	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	3
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	7	9	2	1	1	2	6	13	25	11	7	2	1	1	5	9	103

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	3
1.01- 3.50	28	26	19	10	6	7	14	37	51	33	27	5	10	16	25	43	357
3.51- 7.50	89	44	24	19	29	47	71	32	72	56	16	16	23	24	59	69	690
7.51-12.50	73	19	1	2	10	11	75	20	53	35	16	8	13	32	120	107	595
12.51-18.50	7	0	0	0	1	9	42	26	37	13	5	7	7	25	62	90	331
18.51-24.00	0	0	0	0	0	0	1	0	8	14	5	6	12	8	11	29	94
>24.00	0	0	0	0	0	0	0	0	1	0	0	0	2	1	0	1	5
TOTAL	197	89	44	31	46	74	203	115	222	151	69	42	67	106	277	339	2075

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-MAR 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 3/31/95

*** JAN-MAR 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2160

TOTAL NUMBER OF VALID OBSERVATIONS: 2075

TOTAL NUMBER OF MISSING OBSERVATIONS: 85

PERCENT DATA RECOVERY FOR THIS PERIOD: 96.1 %

MEAN WIND SPEED FOR THIS PERIOD: 8.5 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
7.08	6.02	7.66	42.31	23.52	8.43	4.96

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	33	5	3	8	8	12	18	10	13	3	2	0	1	6	8	17	0
B	19	5	4	2	2	8	7	8	6	15	7	3	0	3	15	21	0
C	22	8	4	2	1	6	19	6	9	14	4	6	2	3	21	32	0
D	75	47	18	12	29	37	106	28	68	36	21	18	42	52	141	148	0
E	36	10	11	6	5	9	46	36	49	37	19	8	12	27	82	94	1
F	5	5	2	0	0	0	1	14	52	35	9	5	9	14	5	18	1
G	7	9	2	1	1	2	6	13	25	11	7	2	1	1	5	9	1
TOTAL	197	89	44	31	46	74	203	115	222	151	69	42	67	106	277	339	3

B136

JFDs of 10-Meter Wind vs. Delta T

April-June 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T APR-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/95 - 6/30/95

*** APR-JUN 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	
1.01- 3.50	0	0	1	0	0	2	0	0	0	0	0	0	1	0	0	1	0
3.51- 7.50	18	9	7	11	6	10	15	8	4	1	0	0	0	0	1	5	95
7.51-12.50	13	3	6	15	4	18	23	22	24	9	1	0	1	0	8	22	169
12.51-18.50	1	1	0	1	0	1	0	5	20	7	4	1	5	1	1	7	55
18.51-24.00	0	0	0	0	0	0	0	3	1	7	0	0	0	0	0	0	11
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	32	13	14	27	10	31	38	38	49	24	5	1	7	1	10	35	335

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	
1.01- 3.50	0	1	4	0	0	0	1	1	0	0	0	0	0	0	0	0	0
3.51- 7.50	16	5	4	7	4	4	7	3	7	2	1	0	0	1	3	6	70
7.51-12.50	5	7	12	1	2	8	2	5	14	17	0	0	1	1	5	14	94
12.51-18.50	2	2	0	1	0	0	1	4	3	1	1	1	4	0	1	3	24
18.51-24.00	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	3
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	23	15	20	9	6	12	11	15	24	21	2	1	5	2	9	23	198

B138

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T APR-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/95 - 6/30/95

*** APR-JUN 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	2	0	1	1	0	0	1	1	1	0	0	0	0	1	0	9
3.51- 7.50	12	2	6	3	1	6	6	4	4	4	2	0	0	2	3	11	66
7.51-12.50	8	8	4	4	2	5	9	7	8	11	0	0	1	2	5	15	89
12.51-18.50	1	0	0	0	0	0	1	2	5	1	4	4	1	6	7	2	34
18.51-24.00	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	3
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	22	12	10	8	4	11	16	14	18	18	6	4	3	11	16	28	201

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	7	4	4	2	3	0	0	0	3	3	1	1	1	1	2	7	39
3.51- 7.50	35	25	7	10	6	19	9	20	7	10	3	4	3	12	20	16	206
7.51-12.50	26	23	13	5	13	12	17	17	15	12	8	0	4	16	31	26	238
12.51-18.50	2	3	5	1	0	0	1	10	5	2	10	6	6	18	12	9	90
18.51-24.00	0	0	0	0	0	0	0	1	1	0	0	6	5	15	0	1	29
>24.00	0	0	0	0	0	0	0	0	0	0	0	5	2	2	0	0	9
TOTAL	70	55	29	18	22	31	27	48	31	27	22	22	21	64	65	59	611

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T APR-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/95 - 6/30/95

*** APR-JUN 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	12	4	7	1	2	0	2	14	24	13	2	6	1	4	5	7	104
3.51- 7.50	15	4	6	2	3	10	17	24	25	10	2	4	0	4	3	23	152
7.51-12.50	2	0	0	0	2	0	9	4	5	5	1	3	2	11	10	3	57
12.51-18.50	0	0	0	0	0	0	0	5	2	1	2	0	5	0	0	0	15
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	29	8	13	3	7	10	28	47	56	29	7	13	9	19	18	33	329

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	2	1	1	0	0	2	9	17	17	4	1	1	4	10	14	85
3.51- 7.50	1	0	0	0	1	0	1	4	4	4	1	0	1	2	0	4	23
7.51-12.50	0	0	0	0	0	0	2	0	0	1	0	1	0	1	0	0	5
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3	2	1	1	1	0	5	13	21	22	5	2	2	7	10	18	113

B140

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T APR-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/95 - 6/30/95

*** APR-JUN 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	4	5	1	1	0	1	4	12	9	5	3	2	1	0	6	21	75
3.51- 7.50	0	0	0	0	0	0	0	2	2	0	0	0	0	0	2	2	8
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4	5	1	1	0	1	4	14	11	5	3	2	1	0	8	23	83

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	26	18	18	6	6	3	9	37	54	39	10	10	5	9	24	50	324
3.51- 7.50	97	45	30	33	21	49	55	65	53	31	9	8	4	21	32	67	620
7.51-12.50	54	41	35	25	23	43	62	55	66	55	10	4	9	31	59	80	652
12.51-18.50	6	6	5	3	0	1	3	26	35	12	21	12	21	25	21	21	218
18.51-24.00	0	0	0	0	0	0	0	6	2	9	0	6	7	16	0	1	47
>24.00	0	0	0	0	0	0	0	0	0	0	0	5	2	2	0	0	9
TOTAL	183	110	88	67	50	96	129	189	210	146	50	45	48	104	136	219	1870

B141

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T APR-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/95 - 6/30/95

*** APR-JUN 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2184
 TOTAL NUMBER OF VALID OBSERVATIONS: 1870
 TOTAL NUMBER OF MISSING OBSERVATIONS: 314
 PERCENT DATA RECOVERY FOR THIS PERIOD: 85.6 %
 MEAN WIND SPEED FOR THIS PERIOD: 8.0 MPH
 TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
17.91	10.59	10.75	32.67	17.59	6.04	4.44

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	32	13	14	27	10	31	38	38	49	24	5	1	7	1	10	35	0
B	23	15	20	9	6	12	11	15	24	21	2	1	5	2	9	23	0
C	22	12	10	8	4	11	16	14	18	18	6	4	3	11	16	28	0
D	70	55	29	18	22	31	27	48	31	27	22	22	21	64	65	59	0
E	29	8	13	3	7	10	28	47	56	29	7	13	9	19	18	33	0
F	3	2	1	1	1	0	5	13	21	22	5	2	2	7	10	18	0
G	4	5	1	1	0	1	4	14	11	5	3	2	1	0	8	23	0
TOTAL	183	110	88	67	50	96	129	189	210	146	50	45	48	104	136	219	0

B142

JFDs of 10-Meter Wind vs. Delta T

January-June 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

*** JAN-JUN 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	0	2	0	0	2	1	0	0	0	0	0	1	0	0	1	8
3.51- 7.50	29	10	9	19	13	17	16	9	4	2	0	0	1	2	2	5	138
7.51-12.50	33	7	6	15	5	22	27	27	30	10	2	0	1	1	9	27	222
12.51-18.50	2	1	0	1	0	2	12	9	25	8	5	1	5	4	5	15	96
18.51-24.00	0	0	0	0	0	0	0	3	3	7	0	0	0	0	1	4	18
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	65	18	17	35	18	43	56	48	62	27	7	1	8	7	18	52	482

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	1	4	0	0	2	2	1	0	0	1	0	0	1	1	0	14
3.51- 7.50	23	9	7	9	6	9	9	5	8	6	5	3	0	1	5	7	112
7.51-12.50	14	8	13	1	2	9	5	5	16	24	1	0	1	1	10	21	131
12.51-18.50	4	2	0	1	0	0	2	10	4	2	2	1	4	2	6	13	53
18.51-24.00	0	0	0	0	0	0	0	2	1	4	0	0	0	0	2	2	11
>24.00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2
TOTAL	42	20	24	11	8	20	18	23	30	36	9	4	5	5	24	44	323

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

*** JAN-JUN 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	2	1	1	1	0	0	1	1	1	1	0	0	0	1	0	11
3.51- 7.50	24	7	9	4	2	9	14	7	8	8	3	4	2	2	6	17	126
7.51-12.50	18	11	4	5	2	7	17	8	10	14	1	1	1	3	10	31	143
12.51-18.50	1	0	0	0	0	1	4	4	7	3	5	5	1	8	19	9	67
18.51-24.00	0	0	0	0	0	0	0	0	1	6	0	0	1	1	1	3	13
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	44	20	14	10	5	17	35	20	27	32	10	10	5	14	37	60	360

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	13	10	7	6	6	3	4	0	12	10	9	2	2	1	4	12	110
3.51- 7.50	72	57	22	17	22	42	49	28	21	22	8	10	16	20	38	38	482
7.51-12.50	54	32	13	6	22	16	61	24	32	19	10	2	12	35	114	75	527
12.51-18.50	6	3	5	1	1	7	18	12	29	7	11	9	12	34	43	61	261
18.51-24.00	0	0	0	0	0	0	1	1	5	5	5	12	17	23	7	21	97
>24.00	0	0	0	0	0	0	0	0	0	0	0	5	4	3	0	0	12
TOTAL	145	102	47	30	51	68	133	76	99	63	43	40	63	116	206	207	1489

B145

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

*** JAN-JUN 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	24	10	17	6	4	0	4	23	33	18	6	7	8	12	19	25	216
3.51- 7.50	33	6	7	3	6	19	36	34	46	27	6	6	4	16	37	58	344
7.51-12.50	8	2	0	0	2	0	25	11	20	15	11	6	2	17	35	31	185
12.51-18.50	0	0	0	0	0	0	9	15	6	5	3	2	6	1	9	13	69
18.51-24.00	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	2
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	65	18	24	9	12	19	74	83	105	66	26	21	21	46	100	127	817

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	5	7	3	1	0	0	2	16	31	29	11	3	2	11	13	27	161
3.51- 7.50	3	0	0	0	1	0	2	11	30	20	3	1	4	4	1	7	87
7.51-12.50	0	0	0	0	0	0	2	0	11	8	0	2	5	5	1	2	36
12.51-18.50	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	3
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	8	7	3	1	1	0	6	27	73	57	14	7	11	21	15	36	288

B146

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

*** JAN-JUN 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	
1.01- 3.50	9	14	3	2	1	3	10	24	28	14	9	3	2	0	11	28	161
3.51- 7.50	2	0	0	0	0	0	0	3	8	2	0	0	0	0	2	4	21
7.51-12.50	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	3
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	11	14	3	2	1	3	10	27	36	16	10	4	2	1	13	32	186

STABILITY CLASS 'ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	
1.01- 3.50	54	44	37	16	12	10	23	74	105	72	37	15	15	25	49	93	681
3.51- 7.50	186	89	54	52	50	96	126	97	125	87	25	24	27	45	91	136	1310
7.51-12.50	127	60	36	27	33	54	137	75	119	90	26	12	22	63	179	187	1247
12.51-18.50	13	6	5	3	1	10	45	52	72	25	26	19	28	50	83	111	549
18.51-24.00	0	0	0	0	0	0	1	6	10	23	5	12	19	24	11	30	141
>24.00	0	0	0	0	0	0	0	0	1	0	0	5	4	3	0	1	14
TOTAL	380	199	132	98	96	170	332	304	432	297	119	87	115	210	413	558	3945

B147

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

*** JAN-JUN 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 4344
 TOTAL NUMBER OF VALID OBSERVATIONS: 3945
 TOTAL NUMBER OF MISSING OBSERVATIONS: 399
 PERCENT DATA RECOVERY FOR THIS PERIOD: 90.8 %
 MEAN WIND SPEED FOR THIS PERIOD: 8.2 MPH
 TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

	A	B	C	D	E	F	G
	12.22	8.19	9.13	37.74	20.71	7.30	4.71

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	65	18	17	35	18	43	56	48	62	27	7	1	6	7	18	52	0
B	42	20	24	11	8	20	18	23	30	36	9	4	5	5	24	44	0
C	44	20	14	10	5	17	35	20	27	32	10	10	5	14	37	60	0
D	145	102	47	30	51	68	133	76	99	63	43	40	63	116	206	207	0
E	65	18	24	9	12	19	74	83	105	66	26	21	21	46	100	127	1
F	8	7	3	1	1	0	6	27	73	57	14	7	11	21	15	36	1
G	11	14	3	2	1	3	10	27	36	16	10	4	2	1	13	32	1
TOTAL	380	199	132	98	96	170	332	304	432	297	119	87	115	210	413	558	3

B148

Stability Classes by Hour of Day

10-Meter Wind vs. Delta T

January-June 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

HOURLY STABILITIES
 HOURS

YR	MN	DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
95	1	1	D	E	E	E	E	F	F	E	E	D	D	D	D	D	D	D	D	E	E	E	E	F	E	E		
95	1	2	E	F	E	F	F	G	F	F	F	F	E	D	D	D	D	D	D	E	E	E	F	F	F	E	E	
95	1	3	D	D	D	D	D	D	E	E	D	D	D	D	D	D	D	D	D	E	E	G	G	G	G	G	G	
95	1	4	G	G	G	G	E	F	F	F	E	D	D	D	D	D	D	D	D	E	F	F	F	F	F	F	F	
95	1	5	F	F	F	F	F	E	F	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95	1	6	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95	1	7	E	E	E	E	E	F	E	F	E	E	E	E	D	D	D	D	E	F	F	F	F	G	F	F	F	
95	1	8	F	F	F	E	E	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	F	G	G	
95	1	9	G	G	G	G	G	F	F	E	E	D	D	D	D	D	D	D	D	E	F	E	E	E	E	E	E	
95	1	10	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	C	B	B	C	D	D	
95	1	11	D	D	C	D	D	D	D	D	D	C	D	D	D	D	D	D	D	D	D	C	C	D	D	D	D	E
95	1	12	D	D	B	B	B	B	B	B	D	D	D	D	D	D	D	D	D	E	E	E	E	F	E	E	E	E
95	1	13	E	E	E	D	E	E	D	D	D	D	C	C	C	D	D	D	D	D	D	D	D	C	C	B	B	
95	1	14	B	C	C	D	D	D	D	D	D	B	B	B	A	C	D	D	D	D	D	D	D	D	D	D	D	D
95	1	15	D	D	D	D	D	C	D	D	D	D	D	D	A	A	D	D	E	E	E	E	E	E	E	E	E	
95	1	16	E	D	E	E	D	E	E	E	E	D	D	D	D	D	D	D	E	E	E	E	E	E	E	E	E	
95	1	17	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	F	G	G	G	G	G	G	
95	1	18	G	G	G	G	G	G	G	G	F	E	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E	
95	1	19	E	E	D	E	E	E	E	E	E	D	D	C	B	B	A	C	D	D	E	E	E	E	E	E	E	
95	1	20	E	E	D	D	D	C	D	D	C	C	C	D	C	B	C	D	D	D	D	D	D	D	D	D	D	
95	1	21	D	D	D	D	D	D	D	D	D	D	D	C	C	A	C	D	D	D	E	E	E	E	E	E	E	
95	1	22	E	E	E	E	D	D	D	D	D	D	D	C	B	B	C	D	D	D	E	E	D	D	D	D	D	
95	1	23	D	D	D	D	D	E	E	D	D	D	D	D	D	C	D	D	D	D	E	E	F	E	E	D	D	
95	1	24	D	D	E	E	E	D	D	D	D	D	C	C	B	B	D	D	D	F	G	G	G	G	G	G	G	
95	1	25	G	E	E	E	E	E	D	D	D	D	C	C	B	B	C	D	D	E	E	E	E	E	F	F	F	
95	1	26	G	F	F	F	F	G	G	E	E	D	D	D	C	C	D	D	D	E	E	E	E	D	D	D	C	
95	1	27	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	E
95	1	28	E	E	E	E	D	A	C	D	D	C	C	C	C	D	D	D	D	D	D	D	D	D	D	D	D	
95	1	29	D	D	D	D	D	D	D	D	D	D	C	C	C	C	D	D	D	D	D	E	E	E	E	E	E	
95	1	30	E	E	E	D	E	E	E	D	D	D	C	C	C	D	C	D	E	F	E	E	E	E	F	F	F	
95	1	31	E	F	E	E	F	F	-	-	-	D	D	D	C	D	D	D	D	E	F	F	F	F	F	F	E	
95	2	1	E	E	E	E	E	E	F	F	F	E	D	B	A	C	D	D	D	F	G	G	G	F	E	F	F	
95	2	2	F	G	F	E	E	F	D	D	D	C	D	D	D	D	C	D	D	D	D	D	D	C	A	D	D	
95	2	3	E	D	D	D	A	A	C	B	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95	2	4	D	E	D	E	D	D	D	D	D	D	D	C	C	B	D	B	D	D	D	D	D	D	D	D	D	
95	2	5	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95	2	6	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	F	F
95	2	7	E	E	E	D	D	D	D	D	D	D	D	C	D	D	D	D	D	D	E	E	E	E	E	E	E	
95	2	8	E	E	E	E	E	E	E	F	E	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E	E	E
95	2	9	F	E	E	E	E	F	F	F	E	E	D	D	D	C	D	D	D	E	F	F	F	F	F	F	E	
95	2	10	E	E	E	E	E	E	E	D	D	D	C	B	B	B	A	B	D	D	E	E	E	F	F	F	F	
95	2	11	E	D	D	D	D	D	D	D	D	B	B	A	A	A	B	B	D	D	E	E	F	E	F	F	F	
95	2	12	F	E	E	E	F	F	F	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	D	D	
95	2	13	D	D	D	D	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95	2	14	D	D	D	D	D	D	D	D	D	D	D	D	D	C	C	C	B	B	B	A	A	A	A	A	A	A

B150

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

HOURLY STABILITIES
 HOURS

YR	MN	DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
95	2	15	B	B	B	A	A	C	D	D	D	D	D	C	B	A	A	A	C	D	E	E	E	F	F	G
95	2	16	F	F	E	E	E	F	F	G	E	D	C	B	C	C	D	D	D	E	F	G	G	G	G	G
95	2	17	G	F	F	F	F	F	F	F	E	D	D	C	B	B	C	D	D	E	F	F	F	E	E	E
95	2	18	E	E	F	F	E	E	F	F	E	D	C	C	C	B	C	D	D	E	G	G	F	E	E	C
95	2	19	E	E	E	E	E	E	E	E	D	C	A	C	C	C	C	D	D	E	G	G	G	G	F	F
95	2	20	E	E	F	E	E	E	E	E	D	D	B	A	A	A	B	B	D	E	E	E	E	E	E	E
95	2	21	G	G	G	G	G	-	-	-	E	D	D	B	B	B	B	C	D	E	G	F	F	F	F	F
95	2	22	E	F	F	G	G	G	G	G	E	C	C	C	B	B	D	D	E	G	F	E	E	E	E	E
95	2	23	E	E	E	E	E	D	E	E	D	C	A	A	A	A	A	B	D	E	E	E	E	E	E	E
95	2	24	E	F	F	G	G	G	G	F	E	D	C	A	A	A	A	B	D	E	F	F	F	F	F	E
95	2	25	E	E	E	E	E	E	E	F	D	D	B	B	A	B	A	C	D	E	F	F	F	F	E	E
95	2	26	F	G	G	G	G	G	G	F	D	D	B	C	B	C	B	-	-	-	-	-	-	-	-	-
95	2	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	B	B	B	B	C	D	D	D	D
95	2	28	D	D	D	D	C	D	D	D	D	B	B	A	A	A	A	B	D	D	D	D	D	E	E	E
95	3	1	E	E	E	E	E	D	D	D	C	B	C	A	B	A	A	A	C	D	D	D	D	D	D	D
95	3	2	D	D	D	D	D	D	D	D	D	C	C	C	D	C	C	C	D	D	E	E	E	F	G	F
95	3	3	F	F	F	E	E	F	E	E	D	C	B	A	C	A	A	A	C	D	E	F	E	E	E	E
95	3	4	E	E	E	E	D	D	D	D	D	D	D	D	C	C	C	D	D	B	A	A	B	B	A	A
95	3	5	B	B	B	A	A	B	B	B	D	D	D	C	C	C	C	D	D	D	D	D	D	D	D	D
95	3	6	D	D	D	D	D	D	D	C	B	A	A	B	B	A	C	D	C	A	A	B	D	D	D	D
95	3	7	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E
95	3	8	D	D	E	E	D	D	D	D	C	D	C	D	D	C	D	D	D	D	D	D	E	E	E	E
95	3	9	E	E	E	E	E	E	D	D	C	C	B	B	B	C	A	C	D	E	E	E	E	E	E	E
95	3	10	F	F	E	E	E	E	E	D	D	C	C	B	C	D	D	D	E	E	F	F	E	E	E	F
95	3	11	F	F	G	F	F	F	F	E	D	C	B	A	A	A	A	C	D	D	E	E	E	E	E	E
95	3	12	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95	3	13	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	3	14	-	-	-	-	-	-	-	-	-	-	-	A	A	A	A	B	D	D	D	D	D	D	B	-
95	3	15	-	-	-	-	-	-	-	-	-	-	A	A	B	A	B	A	A	C	D	F	G	G	G	G
95	3	16	G	G	G	G	G	G	G	G	E	B	C	C	B	C	B	B	C	D	F	G	G	G	G	G
95	3	17	G	E	E	E	E	D	E	D	A	A	A	A	A	A	A	B	C	D	E	F	F	F	F	F
95	3	18	E	E	E	E	E	E	E	D	D	B	A	A	A	B	A	C	D	D	D	D	D	E	E	F
95	3	19	F	F	E	E	E	C	C	A	A	B	A	A	A	A	A	A	D	D	E	F	D	D	-	-
95	3	20	-	A	D	D	D	D	D	D	D	D	B	B	A	B	C	D	D	E	E	E	F	F	E	E
95	3	21	E	E	E	E	E	E	D	D	C	A	A	A	A	B	A	B	D	D	E	E	E	D	D	D
95	3	22	D	D	D	D	D	D	D	D	D	D	D	C	A	A	A	C	D	E	E	E	E	E	D	D
95	3	23	C	D	D	C	D	D	D	B	A	A	A	A	A	A	A	B	D	E	E	F	F	E	E	E
95	3	24	E	E	E	E	E	E	D	B	A	A	A	A	A	A	A	C	D	D	D	D	D	D	D	D
95	3	25	D	D	D	D	D	D	D	D	D	D	D	D	D	-	-	-	-	-	-	-	-	-	-	-
95	3	26	-	A	D	C	B	B	C	C	B	A	A	A	A	B	B	D	D	D	D	D	D	D	D	D
95	3	27	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95	3	28	D	D	D	D	D	D	D	D	C	C	C	C	C	D	D	D	D	D	D	D	D	D	D	D
95	3	29	D	D	D	D	D	D	D	D	C	C	C	D	D	D	D	D	D	D	E	E	E	E	D	D
95	3	30	D	D	D	D	D	D	D	D	D	D	D	D	B	B	B	B	C	D	D	E	E	E	E	E
95	3	31	E	E	E	E	E	E	E	D	C	B	B	A	A	B	B	C	D	D	E	E	E	E	E	E

B151

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

HOURLY STABILITIES
 HOURS

YR MN DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
95 4 1	E	E	E	E	E	E	E	D	D	B	A	A	A	A	A	B	C	D	E	G	G	G	G	G
95 4 2	G	G	G	G	G	G	F	E	D	B	A	A	A	A	A	A	C	D	E	F	E	E	E	E
95 4 3	D	D	D	C	D	E	F	E	D	B	B	B	B	A	C	D	D	D	D	D	D	D	D	D
95 4 4	D	D	D	D	D	D	D	D	B	B	B	C	B	B	A	A	C	D	D	E	E	E	E	E
95 4 5	E	E	E	D	D	D	D	D	A	A	A	A	A	A	A	A	B	D	E	E	E	E	E	D
95 4 6	F	G	G	G	G	F	F	E	D	C	A	A	A	A	A	B	B	D	C	E	E	E	F	F
95 4 7	F	E	E	E	E	E	E	D	C	C	A	A	B	B	A	A	D	D	E	E	E	E	D	D
95 4 8	E	D	D	D	D	D	A	A	A	A	A	A	A	A	A	B	B	D	D	D	D	D	D	D
95 4 9	D	D	D	D	D	D	D	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95 4 10	-	A	B	D	A	B	B	A	-	-	-	-	-	-	-	-	A	A	-	-	-	-	-	-
95 4 11	-	-	-	-	-	-	-	-	-	-	-	B	C	D	D	D	D	D	D	D	D	D	D	D
95 4 12	D	C	C	D	D	D	D	B	A	C	D	D	D	D	D	D	D	D	D	E	E	E	E	F
95 4 13	F	F	F	G	F	F	F	E	D	B	B	B	B	B	C	B	C	D	E	E	E	F	F	F
95 4 14	F	E	E	E	E	E	E	E	C	A	A	A	A	A	A	B	B	D	D	E	E	E	E	E
95 4 15	E	E	E	E	E	E	D	D	C	B	B	A	A	A	A	B	B	D	E	F	G	G	G	E
95 4 16	E	E	E	E	E	E	D	D	C	C	C	C	D	D	D	D	B	B	D	D	D	D	D	D
95 4 17	D	D	D	D	D	D	D	C	C	C	C	C	C	D	D	D	D	B	A	-	-	-	-	-
95 4 18	-	-	-	-	-	-	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95 4 19	D	D	D	D	D	D	D	C	A	B	A	A	A	A	A	B	D	D	D	E	E	E	D	D
95 4 20	D	D	A	-	-	-	-	-	-	-	-	A	D	D	D	D	D	D	D	D	D	D	D	D
95 4 21	D	D	D	D	D	D	D	D	A	C	A	B	A	C	D	D	D	E	F	G	G	G	G	G
95 4 22	E	E	F	F	G	F	F	D	A	A	A	A	A	A	B	B	D	D	E	E	E	E	E	E
95 4 23	E	E	E	E	E	E	E	D	C	B	B	B	B	C	B	B	C	D	D	F	G	G	G	G
95 4 24	F	F	E	E	E	D	C	B	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95 4 25	-	-	-	-	-	-	-	-	-	-	-	-	-	A	A	A	C	D	D	E	E	C	A	A
95 4 26	A	D	E	E	E	D	D	-	-	-	-	-	-	-	-	-	-	-	D	D	E	E	E	E
95 4 27	E	E	E	E	E	E	D	D	D	D	C	C	C	C	D	D	D	D	D	F	F	F	F	F
95 4 28	F	E	E	E	F	F	E	D	C	C	B	B	A	A	A	B	C	D	D	E	E	E	E	D
95 4 29	D	D	D	D	D	C	B	C	C	C	A	A	B	C	C	B	B	B	A	A	A	A	A	B
95 4 30	B	B	A	B	B	B	B	B	C	C	C	D	D	D	D	D	B	B	-	-	-	-	-	A
95 5 1	A	A	A	D	D	D	D	D	C	C	C	C	C	C	B	C	D	D	D	E	E	F	F	D
95 5 2	G	G	G	G	G	G	F	D	D	C	A	C	C	B	A	A	B	C	D	D	E	D	E	D
95 5 3	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95 5 4	-	-	-	-	-	-	-	-	-	A	B	B	D	D	D	C	D	D	D	D	E	E	E	E
95 5 5	F	E	E	E	F	G	E	C	B	C	D	C	C	B	C	C	C	D	D	E	E	E	E	E
95 5 6	E	E	E	E	E	D	D	D	C	C	B	B	A	A	B	C	D	D	D	D	D	D	D	C
95 5 7	A	A	A	A	A	A	A	A	A	A	B	C	B	-	-	-	-	-	-	-	-	-	-	-
95 5 8	-	-	-	-	-	-	-	-	A	A	A	C	D	D	D	A	D	B	D	D	A	D	D	E
95 5 9	E	E	D	D	D	B	D	C	B	D	B	B	D	D	C	D	D	D	D	D	D	D	D	A
95 5 10	-	-	-	-	-	-	-	A	A	A	A	B	C	C	D	D	D	D	D	D	D	D	D	D
95 5 11	D	D	C	A	A	A	A	B	C	B	A	C	C	B	C	C	C	C	D	D	E	E	F	F
95 5 12	F	E	E	E	E	E	D	D	D	C	-	-	-	-	-	-	-	-	A	C	C	C	-	-
95 5 13	-	-	-	-	-	-	A	A	B	A	C	C	C	D	D	D	D	D	E	E	E	E	D	D
95 5 14	D	D	D	D	D	D	C	C	D	C	C	B	B	A	B	C	D	D	F	F	F	G	G	G
95 5 15	G	G	G	G	G	F	F	E	B	A	A	A	A	A	A	A	C	D	D	E	F	F	E	E

B152

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

HOURLY STABILITIES
 HOURS

YR MN DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
95 5 16	E	E	E	E	F	E	E	D	D	C	B	D	D	D	C	D	D	D	D	D	D	D	D	D	D
95 5 17	D	D	D	D	C	B	D	D	D	D	B	A	B	B	D	D	D	D	D	D	D	D	D	D	D
95 5 18	A	A	C	D	D	D	D	C	D	C	D	C	B	B	B	B	C	D	D	F	G	F	F	F	F
95 5 19	F	F	F	F	F	F	F	D	C	C	C	B	C	C	B	B	C	D	D	F	F	F	F	E	E
95 5 20	E	E	E	D	D	D	D	D	C	B	B	C	D	D	D	D	D	D	D	E	E	E	E	E	E
95 5 21	E	E	E	F	F	F	F	D	C	B	A	A	A	A	A	A	B	D	D	E	E	E	E	E	E
95 5 22	E	E	E	D	D	D	B	B	A	A	A	A	A	A	A	A	A	D	D	D	-	-	-	-	-
95 5 23	-	-	-	-	-	-	-	-	-	-	A	B	B	C	C	D	D	D	D	D	D	D	D	D	D
95 5 24	D	D	D	D	D	D	D	C	B	A	A	B	B	B	B	D	D	D	D	E	E	D	D	D	D
95 5 25	E	F	F	E	E	E	E	D	C	B	B	B	A	A	A	A	B	C	D	D	E	E	F	E	E
95 5 26	E	E	D	D	D	C	C	B	B	C	B	A	-	-	-	-	A	A	A	A	A	A	A	A	-
95 5 27	-	-	-	-	-	-	-	-	-	-	-	-	A	A	A	B	D	D	D	D	E	E	E	D	D
95 5 28	D	D	D	A	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E
95 5 29	E	E	E	E	E	E	D	D	C	A	A	A	B	B	B	D	D	D	D	F	G	G	G	G	G
95 5 30	G	G	G	G	F	G	F	D	A	A	A	A	A	A	A	A	A	B	D	D	E	E	E	E	E
95 5 31	E	E	E	E	E	E	D	D	C	B	A	A	A	A	C	-	-	-	-	-	-	-	-	-	-
95 6 1	-	-	-	-	-	-	-	-	-	A	A	C	B	C	C	D	D	C	D	D	D	E	E	D	D
95 6 2	D	D	A	D	D	A	-	-	-	-	A	A	A	A	B	B	C	D	D	E	F	F	E	E	E
95 6 3	E	E	D	C	B	C	C	A	A	A	A	A	A	A	B	C	C	D	C	A	A	C	C	C	B
95 6 4	C	D	D	D	D	D	D	-	-	-	-	-	-	A	A	A	A	C	D	E	E	E	E	D	D
95 6 5	D	D	B	A	A	C	B	A	-	-	-	-	A	A	A	A	B	D	D	E	E	E	E	D	-
95 6 6	-	-	-	-	-	B	A	A	A	A	A	A	A	A	A	A	B	C	D	E	E	E	E	E	E
95 6 7	D	D	D	D	-	-	-	-	A	A	A	A	A	B	C	C	D	D	D	E	D	D	D	B	A
95 6 8	B	-	-	-	-	-	-	-	-	-	-	-	-	-	A	A	A	A	A	A	A	A	A	A	A
95 6 9	A	A	-	-	-	-	-	-	-	-	-	-	A	A	A	A	B	A	A	D	D	B	-	D	D
95 6 10	D	D	D	D	D	D	D	D	C	C	C	C	C	C	C	C	C	D	D	D	D	D	D	D	D
95 6 11	D	D	D	D	D	D	D	C	B	A	A	A	B	B	A	C	C	D	D	F	G	G	F	F	F
95 6 12	F	F	G	G	G	G	E	D	C	C	B	A	A	A	A	B	C	D	D	F	G	G	G	G	G
95 6 13	G	F	G	F	F	F	E	D	C	C	C	B	B	A	A	A	A	B	B	-	-	E	E	E	E
95 6 14	E	E	E	E	E	D	D	B	A	A	-	-	-	-	-	-	-	A	C	D	E	E	D	D	D
95 6 15	D	D	D	D	D	D	C	A	-	-	-	-	-	-	-	-	B	B	D	D	D	D	D	D	D
95 6 16	D	D	D	D	D	D	D	C	B	A	A	A	A	A	A	A	A	C	C	D	D	D	D	D	D
95 6 17	E	E	E	E	E	D	C	C	C	B	B	B	B	A	A	A	A	B	C	D	E	E	E	E	E
95 6 18	E	E	E	E	E	E	D	C	C	C	B	B	B	B	A	A	A	B	D	D	E	E	F	E	E
95 6 19	E	E	E	E	F	F	E	D	C	C	A	A	B	B	A	A	B	D	D	E	F	F	E	E	E
95 6 20	E	E	F	F	E	E	D	C	B	C	B	B	A	A	-	-	-	A	D	E	G	G	F	G	G
95 6 21	G	G	G	G	G	G	F	E	D	B	A	A	A	A	A	A	A	B	D	E	G	G	F	G	G
95 6 22	G	F	E	E	E	F	E	B	A	A	A	-	-	-	-	-	-	A	C	D	E	E	F	E	E
95 6 23	E	E	E	F	F	D	D	C	A	A	A	A	A	B	A	E	E	F	F	F	G	G	F	F	F
95 6 24	E	F	E	E	E	D	D	D	C	D	E	D	C	C	B	D	D	D	D	D	D	D	D	D	E
95 6 25	E	E	D	D	D	A	B	D	C	-	-	-	-	-	-	-	B	D	C	-	-	-	-	-	-
95 6 26	-	A	A	A	B	A	-	-	-	-	-	A	B	C	B	C	C	D	D	D	D	D	D	D	D
95 6 27	D	D	D	D	D	D	C	C	C	B	A	B	C	B	A	C	D	D	D	E	F	F	F	E	E
95 6 28	E	E	E	A	C	D	C	C	A	A	B	B	B	A	A	A	C	D	D	D	E	E	E	D	E
95 6 29	E	E	D	D	D	D	C	B	C	A	A	A	B	A	B	C	D	D	E	E	E	E	E	E	E

B153

PROGRAM: JFD VERSION: 5P
NPPD-COOPER NUCLEAR STATION JFP: 10M WIND VS 60-10M DELTA-T JAN-JUN 1995
SITE IDENTIFIER: NPPD
DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.6 METERS

YR	MN	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
95	6	30	E	E	E	E	E	D	D	C	B	B	A	A	A	A	A	A	A	A	C	D	D	F	F	G	G

JFDs of 10-Meter Wind vs. Delta T

July-September 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-SEP 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 9/30/95

*** JUL-SEP 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	2	2	0	1	0	0	1	1	3	0	0	1	0	1	1	15
3.51- 7.50	9	5	3	4	7	7	11	5	1	3	2	3	2	4	1	8	75
7.51-12.50	7	0	1	0	5	6	5	15	36	7	2	0	2	2	1	3	92
12.51-18.50	0	0	0	0	0	0	0	4	5	0	2	2	0	0	0	0	13
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	18	7	6	4	13	13	16	25	43	13	6	5	5	6	3	12	195

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	1	0	0	0	0	0	2	0	0	0	1	0	1	0	1	8
3.51- 7.50	4	3	1	0	0	0	2	7	3	3	3	3	3	2	1	4	39
7.51-12.50	3	0	1	0	1	0	4	7	9	8	1	1	0	1	0	5	37
12.51-18.50	0	0	0	0	0	0	1	1	0	1	0	1	1	2	0	2	9
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	9	4	2	0	1	0	7	13	12	12	4	6	4	6	1	12	93

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-SEP 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 9/30/95

*** JUL-SEP 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	1	0	2	0	0	2	1	0	1	0	0	0	4	11
3.51- 7.50	7	2	2	4	0	2	4	6	4	6	5	2	0	1	3	2	50
7.51-12.50	4	1	0	1	1	1	1	3	6	4	0	0	0	3	0	1	26
12.51-18.50	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	5
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	12	3	2	6	1	5	5	10	12	11	5	3	1	5	4	8	93

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	6
1.01- 3.50	10	8	0	1	0	0	0	7	2	2	1	1	0	0	0	2	34
3.51- 7.50	32	18	6	8	7	13	22	36	16	6	4	5	6	4	2	18	203
7.51-12.50	9	0	0	0	1	2	13	14	10	8	1	4	0	2	2	11	77
12.51-18.50	0	0	0	0	0	0	0	6	5	2	2	0	0	5	0	2	22
18.51-24.00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	51	26	6	9	8	15	35	63	34	18	8	10	6	11	4	33	337

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-SEP 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 9/30/95

*** JUL-SEP 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	16	7	9	3	3	2	7	17	11	12	3	3	0	3	4	16	116
3.51- 7.50	24	12	2	3	6	8	37	47	44	17	4	3	0	1	5	28	241
7.51-12.50	3	1	0	0	0	0	20	11	18	5	2	4	5	0	3	10	82
12.51-18.50	0	0	0	0	0	0	4	1	6	1	0	0	0	0	0	11	23
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	43	20	11	6	9	10	68	76	79	35	9	10	5	4	12	65	462

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	10	5	1	3	1	2	3	25	17	19	6	5	3	5	12	24	141
3.51- 7.50	1	4	0	3	2	3	6	13	24	10	4	2	0	3	3	1	79
7.51-12.50	0	0	0	0	0	0	0	5	15	5	1	2	1	0	2	0	39
12.51-18.50	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	2
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	11	9	1	6	3	5	17	43	57	34	11	9	5	8	17	25	261

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-SEP 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 9/30/95

*** JUL-SEP 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	6	2	1	0	1	0	0	6	6	8	2	0	5	0	3	22	62
3.51- 7.50	1	1	0	0	0	0	2	3	2	4	0	1	0	0	1	0	15
7.51-12.50	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	7	3	1	0	1	0	2	9	9	12	2	1	5	0	4	22	78

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	46	25	13	8	6	6	10	58	39	45	12	11	9	9	20	70	387
3.51- 7.50	78	45	14	22	22	33	84	117	94	49	22	19	11	15	16	61	702
7.51-12.50	26	2	2	1	8	9	51	51	95	37	7	11	8	8	8	30	354
12.51-18.50	1	0	0	0	0	0	5	13	17	4	4	3	2	8	1	16	74
18.51-24.00	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	2
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	151	72	29	31	36	48	150	239	246	135	45	44	31	40	45	177	1519

PROGRAM: JFD VERSION: 5P
 MPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-SEP 1995
 SITE IDENTIFIER: MPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 9/30/95

*** JUL-SEP 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2208

TOTAL NUMBER OF VALID OBSERVATIONS: 1519

TOTAL NUMBER OF MISSING OBSERVATIONS: 689

PERCENT DATA RECOVERY FOR THIS PERIOD: 68.8 %

MEAN WIND SPEED FOR THIS PERIOD: 6.1 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

	A	B	C	D	E	F	G
	12.84	6.12	6.12	22.19	30.41	17.18	5.13

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	18	7	6	4	13	13	16	25	43	13	6	5	5	6	3	12	0
B	9	4	2	0	1	0	7	13	12	12	4	6	4	6	1	12	0
C	12	3	2	6	1	5	5	10	12	11	5	3	1	5	4	8	0
D	51	26	6	9	8	15	35	63	34	18	8	10	6	11	4	33	0
E	43	20	11	6	9	10	68	76	79	35	9	10	5	4	12	65	0
F	11	9	1	6	3	5	17	43	57	34	11	9	5	8	17	25	0
G	7	3	1	0	1	0	2	9	9	12	2	1	5	0	4	22	0
TOTAL	151	72	29	31	36	48	150	239	246	135	45	44	31	40	45	177	0

B160

JFDs of 10-Meter Wind vs. Delta T

October-December 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T OCT-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/95 - 12/31/95

*** OCT-DEC 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	4
3.51- 7.50	3	3	2	0	3	4	6	0	1	5	1	0	2	0	0	0	30
7.51-12.50	1	0	0	0	0	0	6	4	4	7	1	4	9	3	0	0	39
12.51-18.50	0	0	0	0	0	2	3	2	6	2	1	0	0	3	7	1	27
18.51-24.00	0	0	0	0	0	2	1	1	1	3	0	0	0	1	1	2	11
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	5	3	4	0	4	6	17	7	12	17	3	4	11	7	8	3	111

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4
3.51- 7.50	0	1	0	0	1	5	4	1	2	5	1	2	4	1	1	2	30
7.51-12.50	0	0	0	0	0	1	8	2	3	4	0	0	3	5	0	0	26
12.51-18.50	1	0	0	0	0	3	0	2	2	1	0	0	1	2	3	3	18
18.51-24.00	0	0	0	0	0	0	1	0	1	1	0	0	0	0	5	2	10
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	2	0	0	1	9	13	5	8	11	1	2	8	8	10	9	88

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T OCT-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/95 - 12/31/95

*** OCT-DEC 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 A 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
3.51- 7.50	5	2	2	2	0	4	7	1	4	7	1	1	2	4	2	1	45
7.51-12.50	1	0	0	0	1	2	5	5	9	3	1	0	2	3	3	4	39
12.51-18.50	0	0	0	0	0	0	0	3	2	2	0	0	0	4	5	5	21
18.51-24.00	0	0	0	0	0	0	0	0	0	2	0	0	0	0	3	3	8
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL	6	2	2	2	1	6	12	9	15	14	2	1	4	11	15	13	115

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	5	4	1	2	3	2	1	7	3	5	3	5	2	2	5	7	57
3.51- 7.50	21	21	13	15	14	18	30	10	8	11	4	4	13	7	14	30	239
7.51-12.50	14	1	1	5	10	6	17	26	8	2	5	5	9	27	27	24	187
12.51-18.50	16	2	0	0	0	1	5	8	8	4	0	0	5	19	44	28	140
18.51-24.00	0	0	0	0	0	0	0	0	0	1	0	1	1	16	11	6	36
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	3
TOTAL	56	28	15	22	27	27	53	51	27	23	18	15	31	71	101	97	662

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T OCT-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/95 - 12/31/95

*** OCT-DEC 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	9	2	3	2	3	3	8	11	9	8	3	4	3	6	11	11	96
3.51- 7.50	24	5	4	4	9	8	20	47	30	12	6	8	10	13	16	5	221
7.51-12.50	2	0	0	0	2	5	12	40	25	4	5	5	17	37	17	7	178
12.51-18.50	0	0	0	0	0	1	2	2	12	1	3	0	4	13	10	2	50
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	35	7	7	6	14	17	42	100	76	25	17	17	34	69	56	27	549

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	5	14	3	3	2	2	7	20	25	6	5	6	1	3	5	13	120
3.51- 7.50	8	0	0	0	0	1	7	17	25	5	3	4	2	2	5	3	82
7.51-12.50	0	0	0	0	0	0	2	2	3	1	0	2	3	0	0	0	13
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	13	14	3	3	2	3	16	39	53	12	8	12	6	5	10	16	215

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T OCT-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/95 - 12/31/95

*** OCT-DEC 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	11	4	2	2	3	2	12	16	19	9	5	1	0	2	4	8	102
3.51- 7.50	2	1	0	0	0	0	0	6	3	0	0	0	0	1	1	2	16
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	13	5	2	2	3	2	12	24	22	9	5	1	0	3	5	10	119

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	31	25	11	9	12	9	28	56	56	28	16	16	6	13	27	41	384
3.51- 7.50	63	33	21	21	27	40	74	82	73	45	22	19	33	28	39	43	663
7.51-12.50	18	1	1	5	13	14	50	79	52	21	12	16	43	75	47	35	482
12.51-18.50	17	2	0	0	0	7	10	17	30	10	4	0	10	41	69	39	256
18.51-24.00	0	0	0	0	0	0	3	1	2	7	0	1	1	17	22	15	69
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	4
TOTAL	129	61	33	35	52	70	165	235	213	111	54	52	94	174	205	175	1859

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T OCT-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/95 - 12/31/95

*** OCT-DEC 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2208

TOTAL NUMBER OF VALID OBSERVATIONS: 1859

TOTAL NUMBER OF MISSING OBSERVATIONS: 349

PERCENT DATA RECOVERY FOR THIS PERIOD: 84.2 %

MEAN WIND SPEED FOR THIS PERIOD: 7.9 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
5.97	4.73	6.19	35.61	29.53	11.57	6.40

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	5	3	4	0	4	6	17	7	12	17	3	4	11	7	8	3	0
B	1	2	0	0	1	9	13	5	8	11	1	2	8	8	10	9	0
C	6	2	2	2	1	6	12	9	15	14	2	1	4	11	15	13	0
D	56	28	15	22	27	27	53	51	27	23	18	15	31	71	101	97	0
E	35	7	7	6	14	17	42	100	76	25	17	17	34	69	56	27	0
F	13	14	3	3	2	3	16	39	53	12	8	12	6	5	10	16	0
G	13	5	2	2	3	2	12	24	22	9	5	1	0	3	5	10	1
TOTAL	129	61	33	35	52	70	165	235	213	111	54	52	94	174	205	175	1

B166

JFDs of 10-Meter Wind vs. Delta T

July-December 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

*** JUL-DEC 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	3	2	4	0	2	0	0	1	1	3	0	0	1	0	1	1	19
3.51- 7.50	12	8	5	4	10	11	17	5	2	8	3	3	4	4	1	8	105
7.51-12.50	8	0	1	0	5	6	11	19	40	14	3	4	11	5	1	3	131
12.51-18.50	0	0	0	0	0	2	3	6	11	2	3	2	0	3	7	1	40
18.51-24.00	0	0	0	0	0	0	2	1	1	3	0	0	0	1	1	2	11
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	23	10	10	4	17	19	33	32	55	30	9	9	16	13	11	15	306

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	2	0	0	0	0	0	2	0	0	0	1	0	1	1	3	12
3.51- 7.50	4	4	1	0	1	5	6	8	5	8	4	5	7	3	2	6	69
7.51-12.50	3	0	1	0	1	1	12	5	12	12	1	1	3	6	0	5	63
12.51-18.50	1	0	0	0	0	3	1	3	2	2	0	1	2	4	3	5	27
18.51-24.00	0	0	0	0	0	0	1	0	1	0	0	0	0	0	5	2	10
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	10	6	2	0	2	9	20	18	20	23	5	8	12	14	11	21	181

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

*** JUL-DEC 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	1	0	2	0	0	2	1	0	1	0	0	1	4	12
3.51- 7.50	12	4	4	6	0	6	11	7	8	13	6	3	2	5	5	3	95
7.51-12.50	5	1	0	1	2	3	6	8	15	7	1	0	2	6	3	5	65
12.51-18.50	1	0	0	0	0	0	0	4	2	2	0	0	0	5	6	6	26
18.51-24.00	0	0	0	0	0	0	0	0	0	2	0	0	1	0	3	3	9
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL	18	5	4	8	2	11	17	19	27	25	7	4	5	16	19	21	208

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	15	12	1	3	3	2	1	14	5	7	4	6	2	2	5	9	91
3.51- 7.50	53	39	19	23	21	31	52	46	24	17	14	9	19	11	16	48	442
7.51-12.50	23	1	1	5	11	8	30	40	18	10	6	9	9	29	29	35	264
12.51-18.50	16	2	0	0	0	1	5	14	13	6	2	0	5	24	44	30	162
18.51-24.00	0	0	0	0	0	0	0	0	1	1	0	1	1	16	11	6	37
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	3
TOTAL	107	54	21	31	35	42	88	114	61	41	26	25	37	82	105	130	999

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

*** JUL-DEC 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	25	9	12	5	6	5	15	28	20	20	6	7	3	9	15	27	212
3.51- 7.50	48	17	6	7	15	16	57	94	74	29	10	11	10	14	21	33	462
7.51-12.50	5	1	0	0	2	5	32	51	43	9	7	9	22	37	20	17	260
12.51-18.50	0	0	0	0	0	1	6	3	18	2	3	0	4	13	10	13	73
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	78	27	18	12	23	27	110	176	155	60	26	27	39	73	68	92	1011

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	15	19	4	6	3	4	10	45	42	25	11	11	4	8	17	37	261
3.51- 7.50	9	4	0	3	2	4	13	30	49	15	7	6	2	5	8	4	161
7.51-12.50	0	0	0	0	0	0	10	7	18	6	1	4	4	0	2	0	52
12.51-18.50	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	2
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	24	23	4	9	5	8	33	82	110	46	19	21	11	13	27	41	476

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PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

*** JUL-DEC 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	17	6	3	2	4	2	12	24	25	17	7	1	5	2	7	30	164
3.51- 7.50	3	2	0	0	0	0	2	9	5	4	0	1	0	1	2	2	31
7.51-12.50	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	20	8	3	2	4	2	14	33	31	21	7	2	5	3	9	32	197

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	77	50	24	17	18	15	38	114	95	73	28	27	15	22	47	111	771
3.51- 7.50	141	78	35	43	49	73	158	199	167	94	44	38	44	43	55	104	1365
7.51-12.50	44	3	3	6	21	23	101	130	147	58	19	27	51	83	55	65	836
12.51-18.50	18	2	0	0	0	7	15	30	47	14	8	3	12	49	70	55	330
18.51-24.00	0	0	0	0	0	0	3	1	3	7	0	1	2	17	22	15	71
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	4
TOTAL	280	133	62	66	68	118	315	474	459	246	99	96	125	214	250	352	3378

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

*** JUL-DEC 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.0w MPH

TOTAL NUMBER OF OBSERVATIONS: 4416
 TOTAL NUMBER OF VALID OBSERVATIONS: 3378
 TOTAL NUMBER OF MISSING OBSERVATIONS: 1038
 PERCENT DATA RECOVERY FOR THIS PERIOD: 76.5 %
 MEAN WIND SPEED FOR THIS PERIOD: 7.1 MPH
 TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
9.06	5.36	6.16	29.57	29.93	14.09	5.83

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	23	10	10	4	17	19	33	32	55	30	9	9	16	13	11	15	0
B	10	6	2	0	2	9	20	18	20	23	5	8	12	14	11	21	0
C	18	5	4	8	2	11	17	19	27	25	7	4	5	16	19	21	0
D	107	54	21	31	35	42	88	114	61	41	26	25	37	82	105	130	0
E	78	27	18	12	23	27	110	176	155	60	26	27	39	73	68	92	0
F	24	23	4	9	5	8	33	82	110	46	19	21	11	13	27	41	0
G	20	8	3	2	4	2	14	33	31	21	7	2	5	3	9	32	1
TOTAL	280	133	62	66	88	118	315	474	459	246	99	96	125	214	250	352	1

JFDs of 10-Meter Wind vs. Delta T

January-December 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** JAN-DEC 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	4	2	6	0	2	2	1	1	1	3	0	0	2	0	1	2	27
3.51- 7.50	41	18	14	23	23	28	33	14	6	10	3	3	5	6	3	13	243
7.51-12.50	41	7	7	15	10	28	38	46	70	24	5	4	12	6	10	30	353
12.51-18.50	2	1	0	1	0	4	15	15	36	10	8	3	5	7	13	16	136
18.51-24.00	0	0	0	0	0	0	2	4	4	10	0	0	0	1	2	6	29
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	88	28	27	39	35	62	89	80	117	57	16	10	24	29	29	67	788

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	3	3	4	0	0	2	2	3	0	0	1	1	0	2	2	3	26
3.51- 7.50	27	13	8	9	7	14	15	13	13	14	9	8	7	4	7	13	181
7.51-12.50	17	8	14	1	3	10	17	10	28	36	2	1	4	7	10	26	194
12.51-18.50	5	2	0	1	0	3	3	13	6	4	2	2	6	6	9	18	80
18.51-24.00	0	0	0	0	0	0	1	2	2	5	0	0	0	0	7	4	21
>24.00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2
TOTAL	52	26	26	11	10	29	38	41	50	59	14	12	17	19	35	65	504

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** JAN-DEC 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	2	1	2	1	2	0	1	3	2	1	1	0	0	2	4	23
3.51- 7.50	36	11	13	10	2	15	25	14	16	21	9	7	4	7	11	20	221
7.51-12.50	23	12	4	6	4	10	23	16	25	21	2	1	3	9	13	36	208
12.51-18.50	2	0	0	0	0	1	4	8	9	5	5	5	1	13	25	15	93
18.51-24.00	0	0	0	0	0	0	0	0	1	8	0	0	2	1	4	6	22
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL	62	25	18	18	7	28	52	39	54	57	17	14	10	30	56	81	568

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	28	22	8	9	9	5	5	23	17	17	13	8	4	3	9	21	201
3.51- 7.50	125	96	41	40	43	73	101	74	45	39	22	19	35	31	54	86	924
7.51-12.50	77	33	14	11	33	24	91	64	50	29	16	11	21	64	143	110	791
12.51-18.50	22	5	5	1	1	8	23	28	42	13	13	9	17	58	87	91	423
18.51-24.00	0	0	0	0	0	0	1	1	6	6	5	13	18	39	18	27	134
>24.00	0	0	0	0	0	0	0	0	0	0	0	5	5	3	0	2	15
TOTAL	252	156	68	61	86	110	221	190	160	105	69	65	100	198	311	337	2488

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** JAN-DEC 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	49	19	29	11	10	5	19	51	53	38	12	14	11	21	34	52	428
3.51- 7.50	81	23	13	10	21	35	93	128	120	56	16	17	14	30	58	91	806
7.51-12.50	13	3	0	0	4	5	57	62	63	24	18	15	24	54	55	48	445
12.51-18.50	0	0	0	0	0	1	15	18	24	7	6	2	10	14	19	26	142
18.51-24.00	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	2	6
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	143	45	42	21	35	46	184	259	260	126	52	48	60	119	168	219	1828

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	20	26	7	7	3	4	12	61	73	54	22	14	6	19	30	64	422
3.51- 7.50	12	4	0	3	3	4	15	41	79	35	10	7	6	9	9	11	243
7.51-12.50	0	0	0	0	0	0	12	7	29	14	1	6	9	5	3	2	88
12.51-18.50	0	0	0	0	0	0	0	0	2	0	0	1	1	1	0	0	5
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	32	30	7	10	6	8	39	109	183	103	33	28	22	34	42	77	764

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** JAN-DEC 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	2
1.01- 3.50	26	20	6	5	5	5	22	48	53	31	16	4	7	2	18	58	325
3.51- 7.50	5	2	0	0	0	0	2	12	13	6	0	1	0	1	4	6	52
7.51-12.50	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0	4
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	31	22	6	4	5	5	24	60	67	37	17	6	7	4	22	64	383

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	4
1.01- 3.50	131	94	61	33	30	25	61	188	200	145	65	42	30	47	96	204	1452
3.51- 7.50	327	167	89	95	99	169	284	296	292	181	69	62	71	88	146	240	2675
7.51-12.50	171	63	39	33	54	77	238	205	266	148	45	39	73	146	234	252	2083
12.51-18.50	31	8	5	3	1	17	60	82	119	39	34	22	40	99	153	166	879
18.51-24.00	0	0	0	0	0	0	4	7	13	30	5	13	21	41	33	45	212
>24.00	0	0	0	0	0	0	0	0	1	0	0	5	5	3	1	3	18
TOTAL	660	332	194	164	184	288	647	778	891	543	218	183	240	424	663	910	7323

B177

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** JAN-DEC 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 8760

TOTAL NUMBER OF VALID OBSERVATIONS: 7323

TOTAL NUMBER OF MISSING OBSERVATIONS: 1437

PERCENT DATA RECOVERY FOR THIS PERIOD: 83.6 %

MEAN WIND SPEED FOR THIS PERIOD: 7.7 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
10.76	6.88	7.76	33.98	24.96	10.43	5.23

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	88	28	27	39	35	62	89	80	117	57	16	10	24	20	29	67	0
B	52	26	26	11	10	29	38	41	50	59	14	12	17	19	35	65	0
C	62	25	18	18	7	28	52	39	54	57	17	14	10	30	56	81	0
D	252	156	68	61	86	110	221	199	160	104	69	65	100	198	311	337	0
E	143	45	42	21	35	46	184	259	260	126	52	48	60	119	168	219	1
F	32	30	7	10	6	8	39	109	183	103	33	28	22	34	42	77	1
G	31	22	6	4	5	5	24	60	67	37	17	6	7	4	22	64	2
TOTAL	660	332	194	164	184	288	647	778	891	543	218	183	240	424	663	910	4

Stability Classes by Hour of Day

10-Meter Wind vs. Delta T

July-December 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

HOURLY STABILITIES
 HOURS

YR MN DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
95 7 1	G	G	G	F	F	F	E	D	A	A	-	-	-	-	-	B	A	B	D	E	F	G	F	F
95 7 2	F	F	F	F	E	E	E	A	A	A	A	-	-	-	-	A	A	C	C	D	D	D	D	D
95 7 3	D	D	D	D	D	C	B	A	A	A	A	B	-	-	-	A	A	B	D	D	D	D	D	D
95 7 4	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	C	A	A	D	A	D
95 7 5	A	D	D	E	D	D	C	B	A	B	B	B	B	C	C	D	D	D	D	E	G	G	G	G
95 7 6	G	F	F	E	E	E	E	D	A	A	B	A	C	B	C	C	D	D	D	E	G	G	G	F
95 7 7	F	E	F	E	F	F	D	B	A	A	A	A	D	A	-	-	A	A	C	D	D	D	D	D
95 7 8	D	D	D	D	D	D	D	A	A	A	A	A	A	-	-	A	C	D	D	E	F	G	G	G
95 7 9	G	G	E	E	E	D	B	A	A	A	A	A	A	A	A	A	C	D	E	F	G	G	G	G
95 7 10	G	F	E	E	E	E	E	D	B	B	B	A	B	B	B	B	C	C	D	E	E	E	E	E
95 7 11	E	E	E	E	E	E	D	B	B	B	A	-	-	-	-	-	-	A	D	E	E	E	E	E
95 7 12	F	F	F	F	F	E	D	C	C	B	A	B	B	B	A	A	A	C	D	E	E	E	E	F
95 7 13	E	E	E	E	E	E	D	C	C	B	C	-	-	-	-	-	-	B	A	D	E	E	E	F
95 7 14	E	E	E	E	E	E	D	C	C	A	A	A	A	A	A	A	A	A	A	D	E	E	E	E
95 7 15	E	E	E	E	E	E	D	C	A	A	A	A	A	B	D	E	E	-	-	-	-	-	-	-
95 7 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95 7 17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95 7 18	-	-	-	-	-	-	-	-	-	A	A	A	A	P	A	A	D	D	E	E	F	F	F	F
95 7 19	F	E	F	F	F	F	E	D	D	D	D	B	A	D	D	E	-	-	-	-	-	-	-	-
95 7 20	-	-	-	-	D	D	C	B	B	B	B	B	B	B	B	B	D	D	D	E	F	G	G	G
95 7 21	G	F	F	E	E	F	E	D	B	A	A	A	A	A	A	C	C	D	D	E	E	E	E	E
95 7 22	E	E	E	E	F	F	E	D	D	D	C	D	D	D	D	D	D	D	D	E	E	E	E	E
95 7 23	E	D	D	D	D	C	B	B	C	A	A	D	C	A	A	A	C	D	E	F	G	F	F	F
95 7 24	F	F	F	F	F	F	F	D	C	D	B	-	-	-	-	-	-	-	-	-	-	-	-	F
95 7 25	E	F	E	E	F	F	F	G	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95 7 26	-	-	-	-	-	-	-	-	-	-	-	-	D	D	D	D	D	D	E	E	F	E	F	E
95 7 27	E	E	E	E	E	E	D	D	D	D	D	D	D	D	E	E	E	F	G	G	G	-	-	-
95 7 28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95 7 29	-	-	-	-	-	-	-	-	-	G	F	F	F	F	F	F	F	F	F	F	G	G	G	G
95 7 30	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95 7 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	B	C	D	D
95 8 1	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E
95 8 2	E	E	D	D	D	D	D	D	D	D	C	D	D	C	D	D	D	D	D	E	E	E	E	D
95 8 3	D	D	D	D	D	D	D	C	D	D	A	B	B	C	A	B	C	D	D	D	D	E	E	D
95 8 4	E	D	E	D	A	C	C	D	D	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95 8 5	-	-	-	-	-	-	-	-	-	F	F	F	F	E	E	E	F	F	G	G	F	F	F	F
95 8 6	F	F	F	F	F	F	F	F	F	E	E	E	E	-	-	-	-	-	-	F	F	F	F	F
95 8 7	F	F	F	F	E	E	E	E	E	E	E	E	E	E	E	E	E	F	F	F	F	F	F	F
95 8 8	F	F	F	F	F	F	F	F	F	E	E	E	E	E	-	-	-	-	-	F	F	F	F	F
95 8 9	F	F	F	F	F	F	F	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95 8 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95 8 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95 8 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	F	F	F	F
95 8 13	F	F	F	F	F	-	-	-	-	-	-	-	-	-	E	E	E	E	E	E	E	E	E	E
95 8 14	E	E	E	D	-	-	-	-	-	-	-	A	A	B	A	D	D	C	-	-	-	-	-	-

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

HOURLY STABILITIES
 HOURS

YR	MM	DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
95	8	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	D	D	D	E	D	D	
95	8	17	D	D	D	E	E	E	D	B	A	A	A	-	-	-	A	A	A	D	D	E	E	E	E	E	
95	8	18	E	E	E	E	E	E	D	B	A	A	-	-	-	A	A	A	C	D	E	E	E	E	E	E	
95	8	19	E	E	E	D	D	D	D	D	D	C	C	A	C	D	C	D	D	D	E	E	E	E	E	E	
95	8	20	F	F	F	E	E	E	E	D	A	A	B	A	A	A	A	A	C	D	E	F	G	G	G	G	
95	8	21	G	F	F	F	E	E	E	E	C	B	C	B	C	D	A	A	A	C	D	F	F	F	F	F	
95	8	22	E	E	E	E	E	E	E	C	B	A	A	B	D	A	B	A	A	B	D	E	E	E	E	E	
95	8	23	E	E	E	E	E	E	E	C	A	A	A	A	A	B	A	B	C	E	E	E	E	E	E	E	
95	8	24	F	F	F	F	F	F	E	D	C	B	-	-	-	-	-	-	B	E	E	E	E	E	E	E	
95	8	25	E	E	E	F	F	F	F	-	-	-	-	-	-	-	-	-	-	-	-	-	F	F	F	G	
95	8	26	F	F	F	F	F	F	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	D	D	E	E	E	E	F	F	G	
95	8	31	F	E	D	D	D	D	-	D	D	D	C	A	A	A	C	D	D	D	E	E	E	D	D	-	
95	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	E	E	E	E	E	E	F	F	E	E	E	
95	9	3	E	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	E	E	F	G	G	F	F	E
95	9	4	E	F	E	-	E	E	E	E	D	D	D	D	D	D	D	D	D	E	E	E	F	F	F	F	F
95	9	5	F	E	E	E	E	E	E	E	D	D	D	D	D	D	E	E	E	E	E	E	E	E	E	E	E
95	9	6	E	E	F	F	E	E	E	E	E	E	E	E	E	D	D	D	E	E	E	F	F	F	F	F	E
95	9	7	E	F	E	E	E	E	E	E	E	E	E	E	D	E	E	E	E	E	E	E	E	E	E	E	E
95	9	8	E	E	E	E	E	E	E	D	D	D	E	E	E	E	F	F	F	F	G	G	G	G	G	G	G
95	9	9	G	-	-	-	-	F	F	D	F	F	E	E	E	E	F	E	E	E	-	-	-	-	-	-	-
95	9	10	-	-	-	-	-	-	-	-	-	-	A	A	A	A	-	-	C	D	F	F	F	E	F	E	D
95	9	11	F	F	F	E	E	E	E	D	D	B	A	A	A	A	B	D	D	E	E	D	D	D	C	D	D
95	9	12	D	-	-	-	-	-	-	-	-	B	C	A	B	A	C	D	F	G	E	E	F	E	E	E	E
95	9	13	F	F	F	E	E	F	F	E	D	B	A	A	A	A	A	B	D	-	-	-	-	-	-	-	-
95	9	14	-	E	E	E	E	E	E	D	D	C	A	A	A	A	A	C	D	E	G	G	G	F	F	F	F
95	9	15	E	E	E	E	E	F	E	D	C	C	-	-	-	-	-	C	D	E	E	E	E	E	E	E	E
95	9	16	E	D	D	D	D	D	C	C	D	C	C	B	C	B	A	B	D	E	E	E	E	E	E	E	E
95	9	17	E	E	E	E	E	E	E	D	C	B	A	A	A	A	A	B	D	E	E	E	F	F	E	E	E
95	9	18	E	E	E	E	E	E	E	D	C	C	B	A	A	A	C	D	D	D	E	E	E	E	E	E	E
95	9	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	9	20	D	D	D	D	D	D	C	B	B	A	A	A	B	C	D	D	D	D	D	C	A	B	B	A	A
95	9	21	A	A	A	A	A	A	C	D	D	B	D	C	D	D	C	C	D	D	E	F	F	E	F	F	F
95	9	22	F	E	E	E	E	E	E	D	C	B	A	A	A	A	A	B	D	E	F	F	F	E	E	E	E
95	9	23	E	E	E	E	E	E	E	D	C	A	-	-	-	A	A	A	D	D	E	E	F	E	E	E	E
95	9	24	E	F	F	F	F	F	E	D	D	C	F	C	C	C	D	D	D	E	F	F	F	F	F	F	G
95	9	25	G	G	G	G	G	G	G	F	D	C	C	A	B	A	A	B	D	E	G	G	G	F	G	G	G
95	9	26	G	F	F	F	F	G	G	E	D	C	-	-	-	-	-	-	D	F	F	F	F	E	E	E	E
95	9	27	F	F	F	F	F	F	F	-	-	-	-	-	-	-	-	-	-	-	F	F	F	F	F	F	F
95	9	28	F	F	F	F	F	F	E	D	D	B	A	A	A	A	A	A	D	D	E	E	E	E	D	D	D

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

YR	MN	DY	HOURLY STABILITIES																							
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
95	9	29	D	D	D	-	-	-	-	-	-	-	-	-	C	B	A	B	D	D	E	D	D	D	D	D
95	9	30	D	D	D	D	D	D	D	B	A	A	A	A	A	B	C	D	D	D	D	D	D	D	D	D
95	10	1	E	E	F	E	F	F	F	E	C	B	A	A	A	A	A	D	E	F	F	F	F	F	G	F
95	10	2	F	F	E	F	F	F	E	E	D	C	C	D	D	D	C	D	D	D	D	D	D	D	D	E
95	10	3	G	F	F	F	G	F	E	E	D	B	C	C	A	B	A	C	D	F	G	G	G	F	G	F
95	10	4	F	F	E	E	E	E	D	D	A	A	A	A	A	A	B	D	D	E	E	E	E	E	D	D
95	10	5	D	D	D	D	C	D	C	C	C	B	C	C	D	D	D	D	D	D	E	E	E	-	-	-
95	10	6	-	-	-	-	-	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E
95	10	7	E	F	E	E	E	E	E	D	D	B	B	B	C	B	B	C	D	E	F	G	G	F	G	G
95	10	8	F	F	E	E	F	F	F	E	D	D	D	C	C	D	C	D	D	E	-	-	-	-	-	E
95	10	9	E	E	E	E	E	F	F	D	D	D	D	D	D	B	A	B	C	E	F	G	G	G	G	F
95	10	10	F	G	G	G	G	G	G	F	D	D	B	A	C	C	A	B	D	F	G	G	G	G	F	E
95	10	11	E	E	F	E	E	E	F	E	D	A	A	A	A	A	A	A	D	E	F	F	F	F	F	E
95	10	12	F	E	E	E	E	E	E	D	D	A	A	A	A	A	A	B	D	E	E	E	E	E	E	E
95	10	13	E	E	E	E	E	E	D	D	D	D	D	D	D	D	C	D	D	D	E	E	E	E	E	E
95	10	14	E	E	E	E	E	E	E	D	D	C	B	A	A	A	A	C	D	-	-	-	-	-	-	-
95	10	15	-	-	-	-	-	-	-	-	D	D	C	B	C	A	A	C	D	E	F	G	G	F	F	F
95	10	16	F	E	E	E	-	-	-	-	-	-	-	-	-	-	-	A	D	E	E	E	E	E	E	E
95	10	17	E	E	E	E	E	E	E	E	D	C	A	A	B	B	D	E	E	G	F	F	F	F	F	G
95	10	18	G	F	G	G	G	G	F	E	D	C	B	-	C	A	A	B	D	E	F	E	E	E	E	E
95	10	19	E	E	E	E	E	E	D	D	D	D	D	D	D	C	D	D	D	D	E	E	D	D	E	E
95	10	20	E	E	E	E	E	E	E	D	D	B	B	B	C	B	A	D	D	D	E	E	E	E	E	F
95	10	21	F	G	F	F	E	E	E	E	D	B	A	B	A	A	B	B	D	F	G	G	G	G	G	F
95	10	22	F	F	F	F	F	E	E	E	D	D	C	B	B	A	A	B	D	E	E	E	E	E	E	E
95	10	23	E	E	E	E	E	E	D	C	A	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95	10	24	D	D	E	E	E	E	E	D	D	B	B	A	A	A	A	C	D	F	F	F	F	F	F	F
95	10	25	F	F	F	F	F	F	F	F	E	C	B	B	A	A	A	C	D	-	-	-	-	-	-	-
95	10	26	-	-	-	-	-	-	-	F	E	D	D	D	C	D	D	E	D	E	F	F	F	E	E	E
95	10	27	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	E	E	E	F	E	E
95	10	28	E	E	E	E	E	E	E	D	D	C	B	A	A	A	B	C	-	-	-	-	-	G	G	-
95	10	29	-	-	-	G	G	G	F	E	E	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-
95	10	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	10	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	D	D
95	11	2	D	D	D	D	B	-	-	-	-	C	B	A	A	A	B	D	D	E	E	E	E	E	D	D
95	11	3	D	D	D	D	D	D	D	C	B	A	D	A	A	A	D	D	E	E	F	F	F	F	F	E
95	11	4	-	-	-	-	-	-	-	-	-	B	B	A	B	B	C	E	E	E	E	E	E	E	E	-
95	11	5	-	-	-	-	-	-	C	C	D	C	A	A	A	C	D	E	F	F	E	E	E	E	E	E
95	11	6	E	E	E	E	E	E	E	D	B	B	C	B	C	D	D	D	D	E	E	E	E	E	E	E
95	11	7	E	E	E	E	E	E	E	D	C	D	D	C	D	D	D	D	D	D	D	D	D	D	E	E
95	11	8	E	E	E	E	D	E	E	D	D	C	B	A	B	D	D	E	E	E	E	E	E	D	E	E
95	11	9	E	E	E	E	E	E	E	D	D	C	A	A	B	C	D	E	E	E	E	E	E	E	E	F
95	11	10	E	E	E	E	D	D	D	D	D	D	D	D	D	B	-	-	-	-	-	-	-	-	D	D
95	11	11	D	E	E	E	E	E	E	D	D	D	D	C	D	D	D	D	E	E	E	E	E	E	E	E
95	11	12	E	E	E	E	E	F	E	E	D	D	D	D	D	D	D	E	F	F	F	F	G	G	G	G

B182

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

HOURLY STABILITIES

YR MN DY	HOURS																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
95 11 13	G	E	E	E	E	E	D	D	D	D	D	D	C	D	D	D	D	E	F	F	G	F	F	F	
95 11 14	F	F	F	F	F	G	F	E	E	D	D	D	B	C	D	-	-	-	-	-	-	-	-	-	
95 11 15	-	-	-	-	-	-	-	-	-	B	C	C	D	D	D	D	D	D	D	D	D	D	E	F	E
95 11 16	E	E	E	F	-	-	F	G	F	D	D	D	B	B	C	D	E	E	E	E	E	F	F	G	
95 11 17	G	G	-	-	-	-	-	-	C	C	D	D	D	D	D	D	D	E	E	E	E	F	G	G	
95 11 18	F	E	F	F	F	E	E	F	E	D	C	B	A	B	C	D	E	E	E	E	E	E	E	E	
95 11 19	E	E	E	E	F	F	F	F	D	D	C	C	C	C	D	E	F	F	E	E	E	E	E	F	
95 11 20	F	F	F	G	G	G	E	G	E	D	D	D	C	D	D	D	E	E	E	E	E	E	E	E	
95 11 21	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	F	F	G	G	F	F	F	F	
95 11 22	E	F	F	F	F	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95 11 23	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	F	
95 11 24	F	F	F	E	E	E	E	E	D	D	D	B	A	B	D	D	E	F	F	F	F	F	F	F	
95 11 25	F	F	G	G	G	G	G	G	F	E	C	C	C	D	D	D	E	F	E	F	E	E	F	F	
95 11 26	E	E	E	E	F	G	F	G	G	E	D	D	D	D	D	E	E	E	E	F	E	E	D	D	
95 11 27	D	D	D	C	C	B	B	A	C	C	A	A	C	C	D	D	D	D	D	D	D	D	D	D	
95 11 28	D	E	E	E	E	E	E	E	D	D	D	D	D	D	D	C	D	D	D	D	D	D	D	D	
95 11 29	E	E	E	E	E	E	E	E	D	D	C	C	C	C	D	D	E	F	F	F	G	G	G	G	
95 11 30	G	G	G	G	G	G	G	G	G	F	E	D	A	A	E	E	E	E	E	F	F	F	G	F	
95 12 1	F	G	G	-	-	-	-	-	-	D	D	C	C	D	D	D	D	F	F	F	F	F	G	G	
95 12 2	G	G	F	E	E	E	F	E	E	D	C	A	A	B	B	D	D	E	E	E	E	E	E	F	
95 12 3	E	E	F	G	F	E	F	G	G	F	D	D	D	C	D	D	E	G	G	F	-	-	-	-	
95 12 4	-	-	-	-	-	-	F	E	E	D	D	D	D	D	D	D	E	E	E	E	E	E	E	E	
95 12 5	E	E	D	E	E	E	E	E	D	D	C	B	A	B	C	D	D	E	-	-	-	-	-	G	
95 12 6	G	F	F	F	F	F	E	E	D	D	D	D	D	C	A	C	D	D	D	D	D	D	D	D	
95 12 7	D	D	C	C	D	D	D	D	C	D	D	D	C	A	A	A	A	A	A	B	B	B	B	C	
95 12 8	B	B	D	D	A	A	A	A	-	-	C	D	D	D	D	D	D	D	D	D	E	D	E	E	
95 12 9	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E	F	G	-	-	-	-	
95 12 10	-	-	-	-	-	-	-	E	D	D	D	D	C	D	D	D	D	E	E	E	E	D	D	D	
95 12 11	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95 12 12	D	D	D	D	D	D	D	D	D	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	
95 12 13	C	D	D	D	D	D	C	B	A	A	A	B	A	A	-	-	-	-	-	-	-	-	-	-	
95 12 14	-	-	E	E	E	E	E	F	G	F	E	D	D	D	D	E	F	F	G	G	G	G	G	G	
95 12 15	G	G	F	F	F	E	D	E	E	-	-	-	-	-	D	D	D	F	G	F	E	E	E	E	
95 12 16	E	E	F	F	F	F	F	F	F	E	D	D	D	D	D	D	E	E	E	E	E	E	E	E	
95 12 17	E	E	E	E	D	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	-	-	
95 12 18	-	-	-	-	-	-	D	D	D	A	-	-	-	-	-	-	-	-	-	-	D	D	D	D	
95 12 19	D	D	D	D	D	D	D	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	D	D	
95 12 20	D	D	D	D	D	D	D	D	D	D	D	D	D	-	-	-	-	-	-	-	-	-	-	-	
95 12 21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95 12 22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95 12 23	-	-	-	-	-	-	-	-	-	D	D	D	-	-	-	-	D	D	E	D	E	E	D	D	
95 12 24	E	E	D	E	E	E	E	E	E	D	E	E	E	E	D	D	D	E	E	E	D	D	D	D	
95 12 25	D	D	D	D	D	D	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	E	E	F	
95 12 26	E	E	F	E	E	E	E	E	-	-	-	-	-	-	-	-	-	-	-	E	E	E	E	E	
95 12 27	E	E	E	E	D	D	D	D	D	D	D	D	C	C	D	D	D	D	E	E	E	F	G	G	

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

YR MN DY	HOURLY STABILITIES																							
	HOURS																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
95 12 28	G	G	G	G	F	G	G	G	F	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95 12 29	E	E	E	E	E	E	E	E	E	D	D	C	C	D	D	D	E	E	E	E	E	E	D	D
95 12 30	D	D	D	D	C	D	D	D	C	C	C	B	B	B	A	A	A	A	B	C	D	D	D	D
95 12 31	E	E	D	D	D	D	D	B	A	A	B	A	A	A	A	A	A	A	B	B	B	C	B	B

JFDs of 100-Meter Wind vs. Delta T

January-March 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-MAR 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 3/31/95

*** JAN-MAR 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7.51-12.50	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2
12.51-18.50	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7
18.51-24.00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	8	2	0	0	0	0	0	1	0	0	0	0	0	0	0	1	12

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	1	1	1	0	1	2	2	0	0	0	0	0	0	1	0	0	9
7.51-12.50	1	2	4	2	0	1	0	0	0	3	0	0	0	0	3	0	16
12.51-18.50	8	1	0	0	0	2	0	0	3	1	1	0	0	0	4	11	31
18.51-24.00	3	0	0	0	0	0	1	0	2	1	0	0	0	0	0	4	11
>24.00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	3
TOTAL	13	4	5	2	1	5	3	0	6	5	1	0	0	1	7	17	70

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-MAR 1995
 SITE IDENTIFIER: MPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 3/31/95

*** JAN-MAR 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	3
3.51- 7.50	4	1	2	1	0	6	1	1	1	4	0	0	0	0	0	0	21
7.51-12.50	8	2	1	2	2	1	4	1	0	3	5	0	0	0	0	6	35
12.51-18.50	8	1	0	0	0	3	2	0	3	2	4	1	0	0	6	10	40
18.51-24.00	2	0	0	0	0	0	0	2	3	7	0	0	0	0	3	9	26
>24.00	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	4	8
TOTAL	22	4	3	3	2	11	7	4	10	17	10	1	0	1	9	29	134

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	2
1.01- 3.50	2	6	2	1	1	5	4	2	2	2	4	0	1	3	3	1	39
3.51- 7.50	15	10	11	4	4	8	15	12	7	10	9	6	8	6	5	8	138
7.51-12.50	25	13	16	5	5	4	29	14	9	10	8	2	4	11	23	39	217
12.51-18.50	34	19	2	0	0	9	23	3	5	5	0	0	4	2	42	53	201
18.51-24.00	12	8	0	0	0	0	6	3	22	4	0	2	8	3	20	46	134
>24.00	0	0	0	0	0	0	2	0	20	3	1	0	4	0	2	26	58
TOTAL	88	56	31	10	10	26	79	34	65	34	22	10	29	25	95	173	789

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-MAR 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 3/31/95

*** JAN-MAR 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	4
1.01- 3.50	0	0	0	2	0	2	0	3	0	0	1	0	0	1	0	1	10
3.51- 7.50	6	1	0	6	2	4	2	6	0	4	6	2	1	2	3	2	47
7.51-12.50	12	4	3	4	1	0	8	10	6	16	14	3	4	6	16	26	133
12.51-18.50	5	2	1	0	0	0	9	1	10	21	9	5	1	2	19	25	110
18.51-24.00	0	0	0	0	0	0	10	3	16	5	7	4	1	2	10	14	72
>24.00	0	0	0	0	0	0	14	8	7	2	0	1	3	0	5	0	40
TOTAL	23	7	4	12	3	6	43	31	39	48	37	15	10	13	53	68	416

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	2	1	1	1	1	2	0	0	0	1	1	0	0	0	1	11
3.51- 7.50	3	1	2	0	2	0	1	5	0	6	5	0	3	1	1	3	33
7.51-12.50	3	0	0	0	0	1	2	3	4	9	9	3	4	10	4	2	54
12.51-18.50	0	1	0	0	0	0	1	2	2	19	7	4	1	2	2	4	45
18.51-24.00	0	0	0	0	0	0	0	0	0	0	1	0	3	2	3	0	9
>24.00	0	0	0	0	0	0	0	0	0	0	0	2	0	5	3	0	10
TOTAL	6	4	3	1	3	2	6	10	6	34	23	10	11	20	13	10	162

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-MAR 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 3/31/95

*** JAN-MAR 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	0	0	3	3	2	0	1	0	1	0	0	0	0	1	0	13
3.51- 7.50	2	2	0	0	1	1	2	4	2	4	0	0	1	1	0	3	23
7.51-12.50	0	0	0	0	0	0	4	2	0	4	2	0	0	3	2	0	17
12.51-18.50	0	0	0	0	0	0	1	0	0	0	2	1	0	0	0	0	4
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4	2	0	3	4	3	7	7	2	9	4	1	1	4	3	3	57

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	7
1.01- 3.50	4	8	3	7	5	11	6	6	2	3	7	1	1	5	4	3	76
3.51- 7.50	31	17	16	11	10	21	23	28	10	28	20	8	13	11	9	16	272
7.51-12.50	49	22	24	13	8	7	47	31	19	45	38	8	12	30	48	73	474
12.51-18.50	61	24	3	0	0	14	36	6	23	48	23	11	6	6	73	104	438
18.51-24.00	19	8	0	0	0	0	17	8	43	17	8	6	12	7	36	73	254
>24.00	0	0	0	0	0	0	16	8	31	6	1	3	7	5	10	32	119
TOTAL	164	79	46	31	23	53	145	87	128	147	97	37	51	64	180	301	1640

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-MAR 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 3/31/95

*** JAN-MAR 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2160

TOTAL NUMBER OF VALID OBSERVATIONS: 1640

TOTAL NUMBER OF MISSING OBSERVATIONS: 520

PERCENT DATA RECOVERY FOR THIS PERIOD: 75.9 %

MEAN WIND SPEED FOR THIS PERIOD: 13.2 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

	A	B	C	D	E	F	G
	0.73	4.27	8.17	48.11	25.37	9.88	3.48

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	8	2	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
B	13	4	5	2	1	5	3	0	6	5	1	0	0	1	7	17	0
C	22	4	3	3	2	11	7	4	10	17	10	1	0	1	9	29	1
D	88	56	31	10	10	26	79	34	65	34	22	10	29	25	95	173	2
E	23	7	4	12	3	6	43	31	39	48	37	15	10	13	53	68	4
F	6	4	3	1	3	2	6	10	6	34	23	10	11	20	13	10	0
G	4	2	0	3	4	3	7	7	2	9	4	1	1	4	3	3	0
TOTAL	164	79	46	31	23	53	145	87	128	147	97	37	51	64	180	301	7

JFDs of 100-Meter Wind vs. Delta T

April-June 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T APR-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/95 - 6/30/95

*** APR-JUN 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
12.51-18.50	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	6
18.51-24.00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	3	1	3	0	0	1	0	0	0	0	0	0	8

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7.51-12.50	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	4
12.51-18.50	0	0	0	0	0	0	3	1	1	0	0	0	0	0	0	0	5
18.51-24.00	0	0	0	0	0	0	0	1	2	0	1	0	0	0	0	0	4
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1	0	2	0	3	4	3	0	1	0	0	0	0	0	14

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T APR-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/95 - 6/30/95

*** APR-JUN 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	1	0	1	1	0	2	1	0	0	0	0	0	0	0	0	6
7.51-12.50	0	0	1	1	0	3	0	1	3	1	0	0	0	1	0	0	11
12.51-18.50	0	0	2	0	0	2	5	3	3	1	0	0	0	2	0	0	18
18.51-24.00	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
>24.00	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
TOTAL	0	1	3	2	1	5	7	7	7	3	0	0	0	3	0	0	39

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	3
3.51- 7.50	3	2	1	3	3	3	1	3	0	0	0	0	0	0	0	2	21
7.51-12.50	0	3	1	2	7	3	5	2	1	3	2	0	2	3	2	0	36
12.51-18.50	0	2	7	0	1	16	14	9	1	1	0	1	0	6	2	1	61
18.51-24.00	1	0	0	0	0	1	2	5	1	3	0	1	2	1	0	1	18
>24.00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
TOTAL	4	7	11	5	11	23	23	19	3	7	2	3	4	10	4	4	140

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T APR-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/95 - 6/30/95

*** APR-JUN 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM									1	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
3.51- 7.50	1	3	0	0	1	0	1	0	0	0	1	0	0	0	0	0	5
7.51-12.50	0	3	0	0	0	0	4	3	2	5	0	0	0	0	0	0	17
12.51-18.50	0	0	0	0	0	1	15	4	0	0	0	0	0	0	0	1	21
18.51-24.00	0	0	0	0	0	0	1	1	1	0	0	0	0	0	7	2	12
>24.00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
TOTAL	1	6	0	0	1	1	21	8	5	5	1	0	0	0	7	8	64

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3
3.51- 7.50	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
7.51-12.50	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	3	1	0	2	0	0	0	0	5	0	0	0	0	0	0	11

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T APR-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/95 - 6/30/95

*** APR-JUN 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
3.51- 7.50	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	1	2	1	2	0	0	0	1	0	0	1	0	0	0	0	8
3.51- 7.50	5	11	3	4	5	3	4	4	0	0	1	0	0	0	0	7	47
7.51-12.50	0	6	2	3	10	6	9	8	6	10	2	0	2	4	2	0	70
12.51-18.50	0	2	9	0	3	20	40	17	5	6	0	1	0	8	2	2	115
18.51-24.00	1	0	0	0	0	1	3	8	4	5	1	1	2	1	7	3	37
>24.00	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	4
TOTAL	6	20	16	8	20	30	57	38	18	21	4	3	4	13	11	12	281

B195

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T APR-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/95 - 6/30/95

*** APR-JUN 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2184
 TOTAL NUMBER OF VALID OBSERVATIONS: 261
 TOTAL NUMBER OF MISSING OBSERVATIONS: 1903
 PERCENT DATA RECOVERY FOR THIS PERIOD: 12.9 %
 MEAN WIND SPEED FOR THIS PERIOD: 13.0 MPH
 TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
2.85	4.98	13.88	49.82	22.78	3.91	1.78

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	0	0	0	0	3	1	3	0	0	1	0	0	0	0	0	0	0
B	0	0	1	0	2	0	3	4	3	0	1	0	0	0	0	0	0
C	0	1	3	2	1	5	7	7	7	3	0	0	0	3	0	0	0
D	4	7	11	5	11	23	23	19	3	7	2	3	4	10	4	4	0
E	1	6	9	0	1	1	21	8	5	5	1	0	0	0	7	8	0
F	0	3	1	0	2	0	0	0	0	5	0	0	0	0	0	0	0
G	1	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	6	20	16	8	20	30	57	38	18	21	4	3	4	13	11	12	0

B196

JFDs of 100-Meter Wind vs. Delta T

January-June 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

*** JAN-JUN 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7.51-12.50	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3
12.51-18.50	6	0	0	0	2	1	3	0	0	0	0	0	0	0	0	1	13
18.51-24.00	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	8	2	0	0	3	1	3	1	0	1	0	0	0	0	0	1	20

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	1	1	2	0	1	2	2	0	0	0	0	0	0	1	0	0	10
7.51-12.50	1	2	4	2	2	1	0	2	0	3	0	0	0	0	3	0	20
12.51-18.50	8	1	0	0	2	2	3	1	4	1	1	0	0	0	4	11	36
18.51-24.00	3	0	0	0	0	0	1	1	4	1	1	0	0	1	0	4	15
>24.00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	3
TOTAL	13	4	6	2	3	5	6	4	9	5	2	0	0	1	7	17	84

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

*** JAN-JUN 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	3
3.51- 7.50	4	2	2	2	1	6	3	2	1	4	0	0	0	0	0	0	27
7.51-12.50	8	2	2	3	2	4	4	2	3	4	5	0	0	1	0	6	46
12.51-18.50	8	1	2	0	0	5	7	3	6	3	4	1	0	2	6	10	58
18.51-24.00	2	0	0	0	0	0	0	3	3	8	0	0	0	0	3	9	28
>24.00	0	0	0	0	0	0	0	1	4	1	0	0	0	0	0	4	10
TOTAL	22	5	6	5	3	16	14	11	17	20	10	1	0	4	9	29	173

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	2
1.01- 3.50	2	6	4	1	1	5	4	2	2	2	4	1	1	3	3	1	42
3.51- 7.50	18	12	12	7	7	11	16	15	7	10	9	6	8	6	5	10	159
7.51-12.50	25	16	17	7	12	7	34	16	10	13	10	2	6	14	25	39	253
12.51-18.50	34	21	9	0	1	25	37	12	6	6	0	1	4	8	44	54	262
18.51-24.00	13	8	0	0	0	1	8	8	23	7	0	3	10	4	20	47	152
>24.00	0	0	0	0	0	0	3	0	20	3	1	0	4	0	2	26	59
TOTAL	92	63	42	15	21	49	102	53	68	41	24	13	33	35	99	177	929

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

*** JAN-JUN 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	4
1.01- 3.50	0	0	0	2	0	2	0	3	1	0	1	0	0	1	0	1	11
3.51- 7.50	7	4	0	6	3	4	3	6	0	4	7	2	1	2	3	7	59
7.51-12.50	12	7	3	4	1	0	12	13	8	21	14	3	4	6	16	26	150
12.51-18.50	5	2	1	0	0	1	24	5	10	21	9	5	1	2	19	26	131
18.51-24.00	0	0	0	0	0	0	11	4	17	5	7	4	1	2	17	16	84
>24.00	0	0	0	0	0	0	14	8	8	2	0	1	3	0	5	3	41
TOTAL	24	13	4	12	4	7	64	39	54	53	38	15	10	13	60	76	480

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	3	1	1	3	1	2	0	0	0	1	1	0	0	0	1	14
3.51- 7.50	3	3	3	0	2	0	1	5	0	6	5	0	3	1	1	3	36
7.51-12.50	3	0	0	0	0	0	2	3	4	10	9	3	4	10	4	2	55
12.51-18.50	0	1	0	0	0	0	1	2	2	23	7	4	1	2	2	4	49
18.51-24.00	0	0	0	0	0	0	0	0	0	0	1	0	3	2	3	0	9
>24.00	0	0	0	0	0	0	0	0	0	0	0	2	0	5	3	0	10
TOTAL	6	7	4	1	5	2	6	10	6	39	23	10	11	20	13	10	173

B200

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

*** JAN-JUN 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	0	0	4	3	2	0	1	0	1	0	0	0	0	1	0	14
3.51- 7.50	3	5	0	0	1	1	2	4	2	4	0	0	1	1	0	3	27
7.51-12.50	0	0	0	0	0	0	4	2	0	4	2	0	0	3	2	0	17
12.51-18.50	0	0	0	0	0	0	1	0	0	0	2	1	0	0	0	0	4
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	5	5	0	4	4	3	7	7	2	9	4	1	1	4	3	3	62

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	7
1.01- 3.50	4	9	5	8	7	11	6	6	3	3	7	2	1	5	4	3	84
3.51- 7.50	36	28	19	15	15	24	27	32	10	28	21	8	13	11	9	23	319
7.51-12.50	49	28	26	16	18	13	56	39	25	55	40	8	14	34	50	73	544
12.51-18.50	61	26	12	0	3	34	76	23	28	54	23	12	6	14	75	106	553
18.51-24.00	20	8	0	0	0	1	20	16	47	22	9	7	14	8	43	76	291
>24.00	0	0	0	0	0	0	17	9	33	6	1	3	7	5	10	32	123
TOTAL	170	99	62	39	43	83	202	125	146	168	101	40	55	77	191	313	1921

B201

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

*** JAN-JUN 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 4344

TOTAL NUMBER OF VALID OBSERVATIONS: 1921

TOTAL NUMBER OF MISSING OBSERVATIONS: 2423

PERCENT DATA RECOVERY FOR THIS PERIOD: 44.2 %

MEAN WIND SPEED FOR THIS PERIOD: 13.2 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
1.04	4.37	9.01	48.36	24.99	9.01	3.23

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	8	2	0	0	3	1	3	1	0	1	0	0	0	0	0	1	0
B	13	4	6	2	3	5	6	4	9	5	2	0	0	1	7	17	0
C	22	5	6	5	3	16	14	11	17	20	10	1	0	4	9	29	1
D	92	63	42	15	21	49	102	53	68	41	24	13	33	35	99	177	2
E	24	13	4	12	4	7	64	39	44	53	38	15	10	13	60	76	4
F	6	7	4	1	5	2	6	10	6	39	23	10	11	20	13	10	0
G	5	5	0	4	4	3	7	7	2	9	4	1	1	4	3	3	0
TOTAL	170	99	62	39	43	83	202	125	146	168	101	40	55	77	191	313	7

B202

Stability Classes by Hour of Day

100-Meter Wind vs. Delta T

January-June 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS

HOURLY STABILITIES
 HOURS

YR	MN	DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
95	1	1	D	E	E	F	F	F	F	F	E	E	D	D	D	D	D	D	E	E	E	E	E	E	E	E	
95	1	2	E	F	E	F	F	F	F	F	F	E	E	D	D	D	D	D	E	E	E	F	E	E	E	D	
95	1	3	D	D	D	D	D	D	D	E	D	D	D	D	D	D	D	D	E	E	F	F	F	F	F	F	
95	1	4	G	G	G	G	E	E	E	E	E	D	D	D	D	D	D	D	E	E	F	F	F	F	F	F	
95	1	5	F	F	F	F	F	E	E	E	E	D	D	D	D	D	D	D	D	D	E	D	D	D	D	D	
95	1	6	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95	1	7	E	E	E	E	E	E	F	F	F	F	E	E	D	D	D	D	E	E	E	F	F	F	F	F	
95	1	8	F	F	F	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	E	E	F	F	F	F	
95	1	9	G	G	G	G	G	G	F	F	E	E	D	D	D	D	D	E	E	E	E	E	E	E	E	E	
95	1	10	E	E	D	D	D	D	D	D	D	D	D	D	E	E	D	D	D	D	D	D	D	D	D	E	
95	1	11	E	E	E	E	E	E	E	E	D	D	E	E	D	D	D	D	D	D	E	E	E	E	E	E	
95	1	12	E	E	D	D	D	D	D	D	E	E	E	D	D	D	D	D	E	E	E	E	E	E	E	E	
95	1	13	E	E	E	D	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95	1	14	D	D	D	D	D	D	L	D	D	D	D	C	C	C	D	D	D	D	D	D	D	D	D	D	
95	1	15	D	D	D	D	D	J	D	D	D	D	D	C	A	C	D	E	E	E	E	E	E	E	E	E	
95	1	16	E	E	E	E	E	F	E	E	D	D	D	D	D	D	E	E	E	E	E	E	E	E	E	E	
95	1	17	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	F	F	F	F	F	F	F	
95	1	18	G	C	C	F	F	G	F	F	F	E	E	D	D	D	D	D	E	E	E	E	E	E	E	E	
95	1	19	E	D	D	D	E	D	E	D	D	D	C	C	B	D	D	D	E	E	E	E	E	E	E	D	
95	1	20	D	D	D	D	D	D	D	D	D	C	D	D	C	D	D	D	D	D	D	D	D	D	D	D	
95	1	21	D	D	D	D	D	D	D	D	D	D	D	C	B	D	D	D	D	D	D	E	E	E	E	E	
95	1	22	E	E	E	E	D	D	E	D	D	D	D	C	C	C	D	D	D	D	D	D	D	D	D	D	
95	1	23	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	D	
95	1	24	D	D	D	E	E	D	D	D	D	D	D	D	B	C	D	D	D	E	F	G	G	G	G	G	
95	1	25	F	E	E	E	E	D	D	D	D	D	D	C	C	C	C	D	D	D	E	E	E	E	F	F	
95	1	26	F	F	F	F	F	G	F	F	E	D	D	D	C	C	C	D	D	D	E	E	E	D	D	D	
95	1	27	D	D	C	C	D	D	D	C	D	D	D	D	C	C	D	D	D	D	D	D	D	D	D	-	
95	1	28	-	-	-	-	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95	1	29	D	D	D	C	D	D	D	D	C	B	B	B	B	B	B	B	B	C	D	E	D	D	D	E	
95	1	30	E	E	D	D	D	D	E	E	D	D	D	C	C	C	C	D	E	E	E	E	E	E	E	E	
95	1	31	E	F	E	E	F	F	-	-	-	D	D	D	D	D	D	D	D	E	F	F	F	F	F	F	
95	2	1	E	E	D	E	E	E	E	E	F	E	D	C	B	C	D	D	D	E	G	F	F	F	F	F	
95	2	2	F	F	F	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	2	3	-	-	-	-	-	-	-	-	-	-	-	-	D	D	D	D	D	D	D	D	D	D	D	D	
95	2	4	D	D	D	D	D	D	D	D	D	D	D	D	C	C	C	D	C	D	D	D	D	D	D	D	
95	2	5	D	D	D	B	D	D	D	D	D	D	D	D	D	D	B	-	-	-	-	-	-	-	-	-	
95	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	D	D	D	D	E	F	F	
95	2	7	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95	2	8	D	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E	
95	2	9	F	E	E	E	E	F	F	F	E	E	D	D	D	D	D	D	E	F	F	F	F	F	F	E	
95	2	10	F	E	E	E	D	D	D	D	D	C	C	C	C	B	C	D	D	D	E	E	E	E	F	F	
95	2	11	E	D	D	D	D	D	D	D	C	C	C	C	B	C	C	D	D	D	E	E	E	E	E	F	
95	2	12	F	E	F	F	F	F	F	F	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E	D	D
95	2	13	D	D	D	E	D	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95	2	14	D	D	D	D	D	D	D	D	D	D	D	D	D	B	-	-	-	-	-	-	-	-	-	-	

B204

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS

HOURLY STABILITIES

YR	MN	DY	HOURS																									
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
95	2	15	-	-	-	-	-	-	-	-	D	D	D	C	C	B	B	B	D	D	E	E	E	E	F	F		
95	2	16	E	E	E	E	E	F	F	F	D	D	D	C	C	C	D	D	D	E	F	G	G	G	G	G		
95	2	17	G	F	G	F	F	F	F	F	E	D	D	C	C	C	C	D	D	E	F	F	F	E	E	E		
95	2	18	E	E	E	E	E	E	E	F	E	D	D	C	C	C	C	D	D	F	F	F	E	E	E	E		
95	2	19	E	E	E	E	E	E	D	D	D	D	C	D	C	D	D	D	D	E	F	G	G	G	F	F		
95	2	20	E	E	E	E	E	E	E	E	D	D	C	C	B	B	C	D	D	D	E	E	E	E	E	E		
95	2	21	F	F	F	G	G	-	-	-	E	D	D	C	B	C	C	D	D	E	F	F	F	F	F	E		
95	2	22	F	E	F	G	G	G	F	F	G	E	D	C	C	C	C	D	D	E	F	F	E	E	E	E		
95	2	23	E	E	E	E	D	D	D	E	D	B	B	B	B	B	C	C	D	D	E	E	E	E	E	E		
95	2	24	E	E	F	F	F	G	G	F	E	D	D	B	B	B	B	C	D	E	E	E	F	E	E	E		
95	2	25	E	E	E	E	E	E	E	E	D	D	C	C	B	C	C	D	D	E	E	F	F	E	E	E		
95	2	26	E	F	F	G	G	G	G	F	E	D	C	B	B	B	B	-	-	-	-	-	-	-	-	-		
95	2	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	A	A	B	B	B	C	C	C	D	
95	2	28	D	D	D	D	D	D	D	D	D	C	C	B	A	A	B	B	C	D	D	D	D	D	E	D	E	
95	3	1	E	E	E	E	E	D	D	D	D	C	C	B	C	A	B	B	C	D	D	D	D	D	D	D	D	
95	3	2	D	D	D	D	D	D	D	D	D	D	D	C	D	D	D	D	D	D	E	E	E	F	F	F	F	
95	3	3	F	F	F	F	F	E	E	E	D	D	C	B	C	B	B	C	D	D	E	E	E	E	E	E	E	
95	3	4	E	E	E	E	D	D	D	D	D	D	D	D	C	D	D	C	B	B	B	C	C	B	C	B	C	
95	3	5	C	C	C	B	B	B	B	A	C	C	C	C	C	C	C	C	D	D	D	D	D	D	D	D	D	
95	3	6	D	D	D	D	D	D	D	D	D	D	C	B	B	C	C	B	C	D	D	C	B	B	C	D	D	
95	3	7	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95	3	8	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95	3	9	E	E	E	E	E	E	D	D	D	C	C	C	C	C	C	C	D	D	E	E	E	E	E	E	E	
95	3	10	E	E	E	E	E	E	E	E	E	D	D	C	C	C	C	C	D	D	E	E	E	E	E	E	E	
95	3	11	E	F	F	F	E	E	E	E	D	D	C	B	B	B	C	C	D	D	E	E	E	E	E	D	E	
95	3	12	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
95	3	13	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	14	-	-	-	-	-	-	-	-	-	-	-	A	B	A	A	C	D	D	D	D	D	D	D	D	-	
95	3	15	-	-	-	-	-	-	-	-	-	-	-	A	B	C	B	C	B	B	D	D	E	F	G	G	G	G
95	3	16	G	G	G	G	G	G	G	G	F	D	D	D	D	D	-	-	-	-	-	-	-	-	-	-	-	
95	3	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	3	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS

HOURLY STABILITIES
 HOURS

YR	MN	DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
95	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	4	25	-	-	-	-	-	-	-	-	-	-	-	-	-	B	A	C	D	D	D	E	E	D	A	A
95	4	26	C	D	E	E	E	E	D	-	-	-	-	-	-	-	-	-	-	-	D	D	E	E	E	D
95	4	27	E	E	E	E	E	E	E	D	D	D	C	C	C	D	D	D	D	D	D	E	F	F	F	F
95	4	28	F	E	E	E	E	E	E	D	D	D	C	C	C	B	B	C	D	D	D	E	E	E	E	D
95	4	29	D	D	D	D	D	D	D	D	D	D	A	A	C	D	D	D	D	D	D	B	B	C	C	D
95	4	30	D	D	D	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	-	-	-	-	-	A
95	5	1	C	D	D	D	D	D	D	D	D	C	D	D	D	C	D	D	D	D	D	E	E	E	F	F
95	5	2	F	G	G	G	G	G	F	E	D	C	B	C	C	B	B	C	D	D	D	D	E	E	E	E
95	5	3	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	4	-	-	-	-	-	-	-	-	-	B	C	C	D	D	D	D	D	D	D	D	E	E	E	E
95	5	5	E	E	E	E	E	F	F	E	D	D	D	C	D	C	D	D	D	D	D	E	E	E	E	E
95	5	6	E	E	E	E	E	E	E	D	D	D	D	D	D	C	C	D	D	D	D	D	D	D	D	D
95	5	7	C	C	C	C	B	A	A	B	B	C	C	D	D	-	-	-	-	-	-	-	-	-	-	-
95	5	8	-	-	-	-	-	-	-	-	B	B	C	D	D	D	C	E	D	D	D	C	D	E	E	E
95	5	9	E	E	E	E	D	D	D	D	C	D	C	C	D	D	D	D	D	D	D	D	D	D	D	-
95	5	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

B206

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS

YR	MN	DY	HOURLY STABILITIES																							
			HOURS																							
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
95	5	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	5	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	6	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

B207

PROGRAM: JFD VERSION: 5P
NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 1995
SITE IDENTIFIER: NPPD
DATA PERIOD EXAMINED: 1/ 1/95 - 6/30/95

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS

YR MN DY	HOURLY STABILITIES																								
	HOURS																								
95 6 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

JFDs of 100-Meter Wind vs. Delta T

July-September 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-SEP 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 9/30/95

*** JUL-SEP 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	4
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	4

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-SEP 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 9/30/95

*** JUL-SEP 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	MNW	NW	NNW	TOTAL
CALM																	
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	3
18.51-24.00	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	4
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL	0	0	0	0	0	0	0	3	0	0	2	0	1	0	0	0	8

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	MNW	NW	NNW	TOTAL
CALM																	
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	3
12.51-18.50	0	0	0	0	0	0	1	1	1	3	1	0	0	0	0	0	7
18.51-24.00	0	0	0	0	0	0	0	6	0	3	0	0	0	2	0	0	11
>24.00	0	0	0	0	0	0	0	1	5	1	0	0	1	2	0	0	11
TOTAL	0	0	0	0	0	0	1	10	7	8	1	0	1	4	0	0	32

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-SEP 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 9/30/95

*** JUL-SEP 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	3
12.51-18.50	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0	0	5
18.51-24.00	0	0	0	0	0	0	2	1	1	0	0	0	4	0	0	0	8
>24.00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
TOTAL	0	0	0	0	0	0	3	5	2	4	0	0	4	0	0	0	18

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
7.51-12.50	0	0	0	0	0	0	0	1	5	3	0	0	0	0	0	0	9
12.51-18.50	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	1	14	5	0	0	0	0	0	0	20

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-SEP 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 9/30/95

*** JUL-SEP 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
7.51-12.50	0	0	0	0	0	0	0	5	5	5	0	0	0	0	0	0	15
12.51-18.50	0	0	0	0	0	0	2	4	14	5	3	1	0	0	0	0	28
18.51-24.00	0	0	0	0	0	0	2	10	1	3	0	2	4	2	0	0	24
>24.00	0	0	0	0	0	0	0	2	6	1	0	2	2	2	0	0	13
TOTAL	0	0	0	0	0	0	4	21	26	17	3	2	6	4	0	0	83

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-SEP 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 9/30/95

*** JUL-SEP 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2208

TOTAL NUMBER OF VALID OBSERVATIONS: 83

TOTAL NUMBER OF MISSING OBSERVATIONS: 2125

PERCENT DATA RECOVERY FOR THIS PERIOD: 3.8 %

MEAN WIND SPEED FOR THIS PERIOD: 17.9 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

	A	B	C	D	E	F	G
	1.20	4.82	9.64	38.55	21.69	24.10	0.00

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
B	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	3	0	0	2	2	1	0	0	0	0
D	0	0	0	0	0	0	1	10	7	8	1	0	1	4	0	0	0
E	0	0	0	0	0	0	3	5	2	4	0	0	4	0	0	0	0
F	0	0	0	0	0	0	0	1	14	5	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	4	21	26	17	3	2	6	4	0	0	0

B214

JFDs of 100-Meter Wind vs. Delta T

October-December 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T OCT-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/95 - 12/31/95

*** OCT-DEC 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	MNW	NW	NNW	TOTAL
CALM																	
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3
12.51-18.50	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	2	5
18.51-24.00	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
>24.00	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	0	5
TOTAL	2	0	0	0	0	1	3	0	5	2	0	0	0	0	0	2	15

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	MNW	NW	NNW	TOTAL
CALM																	
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	3	4	0	0	0	1	0	0	0	0	0	0	8
7.51-12.50	0	0	0	1	0	1	4	0	5	3	0	1	2	1	0	0	18
12.51-18.50	0	0	1	0	0	0	1	0	3	0	0	0	2	0	1	0	8
18.51-24.00	1	0	0	0	0	1	0	0	2	1	0	0	0	2	1	0	7
>24.00	3	0	0	0	0	0	0	2	1	0	0	0	0	0	1	0	7
TOTAL	4	0	1	1	3	6	5	2	11	4	0	1	4	3	3	0	48

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATICS: JFD: 100M WIND VS 100-10M DELTA-T OCT-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/95 - 12/31/95

*** OCT-DEC 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
3.51- 7.50	1	1	0	1	1	4	0	0	0	0	0	0	0	0	0	1	9
7.51-12.50	4	2	1	5	0	1	0	8	7	3	2	2	6	5	0	0	46
12.51-18.50	1	0	3	1	1	0	3	2	1	3	0	1	3	2	1	2	24
18.51-24.00	3	0	0	0	0	0	1	3	5	0	0	0	0	3	6	1	22
>24.00	5	0	0	0	0	0	1	0	0	0	0	0	0	1	5	5	17
TOTAL	14	3	4	7	3	5	5	13	13	6	2	3	9	11	12	9	119

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	1	1	2	0	1	0	1	2	1	1	3	2	0	1	1	18
3.51- 7.50	5	4	2	1	5	6	8	5	6	17	11	7	8	11	5	16	117
7.51-12.50	18	8	12	17	15	13	11	14	26	16	14	5	18	16	29	27	259
12.51-18.50	15	2	3	12	10	7	16	13	19	13	6	2	4	24	37	32	215
18.51-24.00	6	0	7	0	0	0	8	7	7	10	2	0	1	29	54	32	163
>24.00	12	2	0	0	0	1	3	2	4	1	0	1	7	19	19	17	88
TOTAL	57	17	25	32	30	28	46	42	64	58	34	18	40	99	145	125	860

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T OCT-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/95 - 12/31/95

*** OCT-DEC 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	0	4	1	2	2	1	1	1	0	0	1	0	1	0	1	1	16
3.51- 7.50	10	3	3	3	2	1	6	4	5	5	6	4	3	1	4	3	63
7.51-12.50	7	6	2	0	0	4	8	11	8	20	9	0	2	7	14	17	115
12.51-18.50	12	3	2	0	5	10	12	37	47	22	5	2	6	12	14	15	204
18.51-24.00	4	0	0	1	0	12	7	15	35	3	3	2	12	26	9	4	133
>24.00	0	0	0	0	0	2	1	1	8	0	0	1	1	13	3	2	32
TOTAL	33	16	8	6	9	30	35	69	103	50	24	9	25	59	45	42	564

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	3	2	0	1	0	0	1	1	0	0	8
3.51- 7.50	4	2	0	2	5	3	4	3	2	4	3	2	1	0	1	2	38
7.51-12.50	2	3	4	1	2	6	4	8	16	9	5	1	4	2	7	8	82
12.51-18.50	0	0	1	0	1	6	4	28	23	6	6	2	6	2	7	4	96
18.51-24.00	0	0	0	0	0	0	3	2	2	0	2	1	2	3	0	0	15
>24.00	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2
TOTAL	6	5	5	3	8	15	18	43	43	20	16	7	14	9	15	14	241

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T OCT-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/95 - 12/31/95

*** OCT-DEC 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	1	0	0	1	1	0	0	0	0	1	0	0	1	0	5
3.51- 7.50	0	2	4	0	0	1	1	2	1	0	1	1	1	1	0	0	15
7.51-12.50	0	1	3	3	2	1	1	2	4	9	0	0	3	1	1	1	32
12.51-18.50	0	0	0	0	0	0	1	11	4	2	1	0	1	1	2	0	23
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	3	8	3	2	3	4	15	9	11	2	2	5	3	4	1	75

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	1	5	3	4	3	3	5	4	2	2	2	4	4	1	3	2	48
3.51- 7.50	28	12	9	7	16	19	19	14	14	27	21	14	13	13	10	22	250
7.51-12.50	32	20	22	27	19	26	28	43	66	62	30	9	35	32	51	53	555
12.51-18.50	28	5	10	13	17	23	37	91	100	46	18	7	22	41	62	55	575
18.51-24.00	15	0	7	1	0	14	19	27	51	13	7	3	15	63	70	37	342
>24.00	20	2	0	0	0	3	8	5	15	1	0	3	8	34	28	24	151
TOTAL	116	44	51	52	55	88	116	184	248	151	78	40	97	184	224	193	1922

B219

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T OCT-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/95 - 12/31/95

*** OCT-DEC 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2208

TOTAL NUMBER OF VALID OBSERVATIONS: 1922

TOTAL NUMBER OF MISSING OBSERVATIONS: 286

PERCENT DATA RECOVERY FOR THIS PERIOD: 87.0 %

MEAN WIND SPEED FOR THIS PERIOD: 14.2 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
0.78	2.50	6.19	44.75	29.34	12.54	3.90

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	2	0	0	0	0	1	3	0	5	2	0	0	0	0	0	2	0
B	4	0	1	1	3	6	5	2	11	4	0	1	4	3	3	0	0
C	14	3	4	7	3	5	5	13	13	6	2	3	9	11	12	9	0
D	57	17	25	32	30	28	46	42	64	58	34	18	40	99	145	125	0
E	33	16	8	6	9	30	35	69	103	50	24	9	25	59	45	42	1
F	6	5	5	3	8	15	18	43	43	20	16	7	14	9	15	14	0
G	0	3	8	3	2	3	4	15	9	11	2	2	5	3	4	1	0
TOTAL	116	44	51	52	55	88	116	184	248	151	78	40	97	184	224	193	1

B220

JFDs of 100-Meter Wind vs. Delta T

July-December 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

*** JUL-DEC 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3
12.51-16.50	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	2	5
16.51-24.00	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3
>24.00	0	0	0	0	0	3	3	0	2	0	0	0	0	0	0	0	5
TOTAL	2	0	0	0	0	1	3	1	5	2	0	0	0	0	0	2	16

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	3	4	0	0	0	1	0	0	0	0	0	0	8
7.51-12.50	0	0	0	1	0	1	4	0	5	3	0	1	2	1	0	0	18
12.51-16.50	0	0	1	0	0	0	1	1	6	0	0	0	2	0	1	0	12
16.51-24.00	1	0	0	0	0	0	0	0	2	0	0	0	0	2	1	0	7
>24.00	3	0	0	0	0	0	0	2	1	0	0	0	0	0	1	0	7
TOTAL	4	0	1	1	3	6	5	3	14	4	0	1	4	3	3	0	52

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

*** JUL-DEC 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
3.51- 7.50	1	1	0	1	1	4	0	0	0	0	0	0	0	0	0	1	9
7.51-12.50	4	2	1	5	0	1	0	8	7	3	2	2	6	5	0	0	46
12.51-18.50	1	0	3	1	1	0	3	3	1	3	2	1	3	2	1	2	27
18.51-24.00	3	0	0	0	0	0	1	5	5	0	0	2	0	3	6	1	26
>24.00	5	0	0	0	0	0	1	0	0	0	0	0	1	1	5	5	18
TOTAL	14	3	4	7	3	5	5	16	13	6	4	5	10	11	12	9	127

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	1	1	2	0	1	0	1	2	1	1	3	2	0	1	1	18
3.51- 7.50	5	4	2	1	5	6	8	5	6	17	11	7	8	11	5	16	117
7.51-12.50	18	8	12	17	15	13	11	16	26	17	14	5	18	16	29	27	262
12.51-18.50	15	2	3	12	10	7	17	14	20	16	7	2	4	24	37	32	222
18.51-24.00	6	0	7	0	0	0	8	13	7	13	2	0	1	31	54	32	174
>24.00	12	2	0	0	0	1	3	3	10	2	0	1	8	21	19	17	99
TOTAL	57	17	25	32	30	28	47	52	71	66	35	18	41	103	145	125	892

B223

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

*** JUL-DEC 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	0	4	1	2	2	1	1	1	0	0	1	0	1	0	1	3	16
3.51- 7.50	10	3	3	3	2	1	6	4	5	6	6	4	3	1	4	3	64
7.51-12.50	7	6	2	0	0	4	8	13	8	21	9	0	2	7	14	17	118
12.51-18.50	12	3	2	0	5	10	13	38	48	24	5	2	6	12	14	15	209
18.51-24.00	4	0	0	1	0	12	9	16	36	3	3	2	16	26	9	4	141
>24.00	0	0	0	0	0	2	1	2	8	0	0	1	1	13	3	2	33
TOTAL	33	16	8	6	9	30	38	74	105	54	24	9	29	59	45	42	582

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	3	2	0	1	0	0	1	1	0	0	8
3.51- 7.50	4	2	0	2	5	3	4	3	2	6	3	2	1	0	1	2	40
7.51-12.50	2	3	4	1	2	6	4	9	21	12	5	1	4	2	7	8	91
12.51-18.50	0	0	1	0	1	6	4	28	32	6	6	2	6	2	7	4	105
18.51-24.00	0	0	0	0	0	0	3	2	2	0	2	1	2	3	0	0	15
>24.00	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2
TOTAL	6	5	5	3	8	15	18	44	57	25	16	7	14	9	15	14	261

B224

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

*** JUL-DEC 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	1	0	0	1	1	0	0	0	0	1	0	0	1	0	5
3.51- 7.50	0	2	4	0	0	1	1	2	1	0	1	1	1	1	0	0	15
7.51-12.50	0	1	3	3	2	1	1	2	4	9	0	0	3	1	1	1	32
12.51-18.50	0	0	0	0	0	0	1	11	4	2	1	0	1	1	2	0	23
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	3	8	3	2	3	4	15	9	11	2	2	5	3	4	1	75

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	1	5	3	4	3	3	5	4	2	2	2	4	4	1	3	2	48
3.51- 7.50	20	12	9	7	16	19	19	14	14	30	21	14	13	13	10	22	253
7.51-12.50	32	20	22	27	19	26	28	48	71	67	30	9	35	32	51	53	570
12.51-18.50	28	5	10	13	17	23	39	95	114	51	21	7	22	41	62	55	603
18.51-24.00	15	0	7	1	0	14	21	37	52	16	7	5	19	65	70	37	366
>24.00	20	2	0	0	0	3	8	7	21	2	0	3	10	36	28	24	164
TOTAL	116	44	51	52	55	88	120	205	274	168	81	42	103	188	224	193	2005

B225

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

*** JUL-DEC 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 4416

TOTAL NUMBER OF VALID OBSERVATIONS: 2005

TOTAL NUMBER OF MISSING OBSERVATIONS: 2411

PERCENT DATA RECOVERY FOR THIS PERIOD: 45.4 %

MEAN WIND SPEED FOR THIS PERIOD: 14.3 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

	A	B	C	D	E	F	G
	0.80	2.59	6.33	44.49	29.03	13.02	3.74

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	2	0	0	0	0	1	3	1	5	2	0	0	0	0	0	2	0
B	4	0	1	1	3	6	5	3	14	4	0	1	4	3	3	0	0
C	14	3	4	7	3	5	5	16	13	6	4	5	10	11	12	9	0
D	57	17	25	32	30	28	47	52	71	66	35	18	41	103	145	125	0
E	33	16	8	6	9	30	38	74	105	54	24	9	29	59	45	42	1
F	6	5	5	3	8	15	18	44	57	25	16	7	14	9	15	14	0
G	0	3	8	3	2	3	4	15	9	11	2	2	5	3	4	1	0
TOTAL	116	44	51	52	55	88	120	205	274	168	81	42	103	188	224	193	1

B226

JFDs of 100-Meter Wind vs. Delta T

January-December 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** JAN-DEC 1995 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7.51-12.50	1	1	0	0	1	0	0	1	0	2	0	0	0	0	0	0	6
12.51-18.50	6	0	0	0	2	1	3	0	3	0	0	0	0	0	0	3	18
18.51-24.00	3	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	6
>24.00	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	0	5
TOTAL	10	2	0	0	3	2	6	2	8	3	0	0	0	0	0	3	36

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	1	1	2	0	4	6	2	0	0	1	0	0	0	1	0	0	18
7.51-12.50	1	2	4	3	2	2	4	2	5	6	0	1	2	1	3	0	38
12.51-18.50	8	1	1	0	0	2	4	2	10	1	1	0	2	0	5	11	48
18.51-24.00	4	0	0	0	0	1	1	1	6	1	1	0	0	2	1	4	22
>24.00	3	0	0	0	0	0	0	2	2	0	0	0	0	0	1	2	10
TOTAL	17	4	7	3	6	11	11	7	23	9	2	1	4	4	10	17	136

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** JAN-DEC 1995 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
1.01- 3.50	0	0	0	0	1	1	0	0	0	0	1	0	0	1	0	0	4
3.51- 7.50	5	3	2	3	2	10	3	2	1	4	0	0	0	0	0	1	36
7.51-12.50	12	4	3	8	2	5	4	10	10	7	7	2	6	6	0	6	92
12.51-18.50	9	1	5	1	1	5	10	6	7	6	6	2	3	4	7	12	85
18.51-24.00	5	0	0	0	0	0	1	8	8	8	0	2	0	3	9	10	54
>24.00	5	0	0	0	0	0	1	1	4	1	0	0	1	1	5	9	28
TOTAL	36	8	10	12	6	21	19	27	30	26	14	6	10	15	21	38	300

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	2
1.01- 3.50	3	7	5	3	1	6	4	3	4	3	5	4	3	3	4	2	60
3.51- 7.50	23	16	14	8	12	17	24	20	13	27	20	13	16	17	10	26	276
7.51-12.50	43	24	29	24	27	20	45	32	36	30	24	7	24	30	54	66	515
12.51-18.50	49	23	12	12	11	32	54	26	26	22	7	3	8	32	81	86	484
18.51-24.00	19	8	7	0	0	1	16	21	30	20	2	3	11	35	74	79	326
>24.00	12	2	0	0	0	1	6	3	30	5	1	1	12	21	21	43	158
TOTAL	149	80	67	47	51	77	149	105	139	107	59	31	74	138	244	302	1821

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** JAN-DEC 1995 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	5
1.01- 3.50	0	4	1	4	2	3	1	4	1	0	2	0	1	1	1	2	27
3.51- 7.50	17	7	3	9	5	5	9	10	5	10	13	6	4	3	7	10	123
7.51-12.50	19	13	5	4	1	4	20	26	16	42	23	3	6	13	30	43	268
12.51-18.50	17	5	3	0	5	11	37	43	58	45	14	7	7	14	33	41	340
18.51-24.00	4	0	0	1	0	12	20	20	53	8	10	6	17	28	26	20	225
>24.00	0	0	0	0	0	2	15	10	16	2	0	2	4	13	8	2	74
TOTAL	57	29	12	18	13	37	102	113	149	107	62	24	39	72	105	118	1062

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	3	1	1	3	1	5	2	0	1	1	1	1	1	0	1	22
3.51- 7.50	7	5	3	2	7	3	5	8	2	12	8	2	4	1	2	5	76
7.51-12.50	5	3	4	1	2	7	6	12	25	22	14	4	8	12	11	10	146
12.51-18.50	0	1	1	0	1	6	5	30	34	29	13	6	7	4	9	8	154
18.51-24.00	0	0	0	0	0	0	7	2	2	0	3	1	5	5	3	0	24
>24.00	0	0	0	0	0	0	0	0	0	0	0	3	0	6	3	0	12
TOTAL	12	12	9	4	13	17	24	54	63	64	39	17	25	29	28	24	434

B230

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** JAN-DEC 1995 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	0	1	4	3	3	1	1	0	1	0	1	0	0	2	0	19
3.51- 7.50	3	7	4	0	1	2	3	6	3	4	1	1	2	2	0	3	42
7.51-12.50	0	1	3	3	2	1	5	4	4	13	2	0	3	4	3	1	49
12.51-18.50	0	0	0	0	0	0	2	11	4	2	3	1	1	1	2	0	27
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	5	8	8	7	6	6	11	22	11	20	6	3	6	7	7	4	137

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	8
1.01- 3.50	5	14	8	12	10	14	11	10	5	5	9	6	5	6	7	5	132
3.51- 7.50	56	40	28	22	31	43	46	46	24	58	42	22	26	24	19	45	572
7.51-12.50	81	48	48	43	37	39	84	87	96	122	70	17	49	66	101	126	1114
12.51-18.50	89	31	22	13	20	57	115	118	142	105	44	19	28	55	137	161	1156
18.51-24.00	35	8	7	1	0	15	41	53	99	38	16	12	33	7	113	113	657
>24.00	20	2	0	0	0	3	25	16	54	8	1	6	17	41	38	56	287
TOTAL	286	143	113	91	98	171	322	330	420	336	182	82	158	265	415	506	3926

B231

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** JAN-DEC 1995 ***

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 METERS
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 8760
 TOTAL NUMBER OF VALID OBSERVATIONS: 3926
 TOTAL NUMBER OF MISSING OBSERVATIONS: 4834
 PERCENT DATA RECOVERY FOR THIS PERIOD: 44.8 %
 MEAN WIND SPEED FOR THIS PERIOD: 13.8 MPH
 TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

	A	B	C	D	E	F	G
	0.92	3.46	7.64	46.38	27.05	11.05	3.49

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	10	2	0	0	3	2	6	2	5	3	0	0	0	0	0	3	0
B	17	4	7	3	6	11	11	7	23	9	2	1	4	4	10	17	0
C	36	8	10	12	6	21	19	27	30	26	14	6	10	15	21	38	1
D	149	80	67	47	51	77	149	105	139	107	59	31	74	138	244	302	2
E	57	29	12	18	13	37	102	113	149	107	62	24	39	72	105	118	5
F	12	12	9	4	13	17	24	54	63	64	39	17	25	29	28	24	0
G	5	8	8	7	6	6	11	22	11	20	6	3	6	7	7	4	0
TOTAL	286	143	113	91	98	171	322	330	420	336	182	82	158	265	415	506	8

B232

Stability Classes by Hour of Day

100-Meter Wind vs. Delta T

July-December 1995

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS

YR	MN	DY	HOURLY STABILITIES																							
			HOURS																							
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
95	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	7	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

B234

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: MPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS

HOURLY STABILITIES
 HOURS

YR	MN	DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
95	8	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	8	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	9	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	F	F	E	E	E	E
95	9	27	E	F	F	F	F	F	E	-	-	-	-	-	-	-	-	-	-	-	F	F	F	F	F	F	F
95	9	28	F	F	F	F	F	F	E	E	D	D	B	B	B	C	B	D	D	D	E	E	E	E	E	D	D

B235

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-60M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS

HOURLY STABILITIES
 HOURS

YR MN DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
95 9 29	D	D	D	-	-	-	-	-	-	-	-	-	A	C	C	D	D	D	E	D	D	D	D	D
95 9 30	D	D	D	D	D	D	D	D	D	C	C	C	C	C	D	D	D	D	D	E	E	E	E	E
95 10 1	E	E	F	E	E	E	F	E	D	D	D	D	C	C	B	D	E	E	F	F	F	F	F	F
95 10 2	F	F	F	F	F	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E
95 10 3	F	F	F	G	G	F	E	D	D	D	D	B	C	C	D	E	E	G	G	F	F	F	F	F
95 10 4	F	F	E	E	E	E	E	D	D	B	A	B	A	A	C	D	D	E	E	E	E	E	E	D
95 10 5	D	D	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	D	E	E	-	-	-	-
95 10 6	-	-	-	-	-	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E
95 10 7	E	E	E	F	E	E	E	D	D	D	D	D	D	D	D	D	D	E	E	F	F	F	F	G
95 10 8	F	F	F	E	F	F	F	E	E	D	D	D	D	D	D	D	D	E	-	-	-	-	-	E
95 10 9	E	E	E	E	E	E	E	E	D	E	E	E	D	D	C	D	D	E	F	G	G	G	G	G
95 10 10	F	F	F	F	F	F	G	G	F	E	D	D	D	D	D	D	E	E	G	G	G	G	G	E
95 10 11	E	E	E	E	E	E	E	E	D	D	C	B	C	B	D	D	E	F	F	F	F	F	F	E
95 10 12	F	E	E	E	E	E	E	E	D	D	B	B	A	A	B	D	D	E	E	E	E	E	E	E
95 10 13	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E
95 10 14	E	E	E	E	E	E	E	D	D	D	C	B	B	B	C	D	D	-	-	-	-	-	-	-
95 10 15	-	-	-	-	-	-	-	-	E	E	E	D	C	D	D	E	E	F	F	F	F	F	F	F
95 10 16	F	E	E	E	-	-	-	-	-	-	-	-	-	-	-	C	D	E	E	E	E	E	E	E
95 10 17	E	E	E	E	E	E	E	E	D	D	C	C	D	C	D	E	E	F	F	E	E	E	E	E
95 10 18	F	F	F	G	G	G	F	E	D	D	D	-	D	B	B	D	D	E	E	E	E	E	E	E
95 10 19	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95 10 20	D	D	E	E	D	E	D	D	D	C	C	C	D	C	C	D	D	D	D	E	E	E	E	E
95 10 21	F	F	F	F	E	E	E	E	D	D	C	C	B	B	C	D	E	E	F	G	G	G	G	G
95 10 22	F	F	F	F	F	E	E	E	D	D	D	B	B	A	C	D	D	E	E	E	E	E	E	E
95 10 23	E	E	F	E	D	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95 10 24	D	D	D	D	E	E	E	E	D	D	C	C	B	B	C	D	D	E	F	F	F	F	F	F
95 10 25	F	E	F	F	F	F	F	F	E	E	D	D	D	D	D	D	D	-	-	-	-	-	-	-
95 10 26	-	-	-	-	-	-	-	G	F	E	E	D	D	D	D	D	D	E	E	F	E	E	E	E
95 10 27	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E
95 10 28	E	E	D	E	E	E	E	D	D	D	C	C	B	C	C	D	-	-	-	-	G	G	-	-
95 10 29	-	-	-	G	G	G	F	E	F	E	E	-	-	-	-	-	-	-	-	-	-	-	-	D
95 10 30	D	D	D	D	D	C	C	D	D	C	D	D	D	D	C	D	D	D	D	D	D	D	D	-
95 10 31	F	F	-	-	-	-	-	-	-	-	-	-	F	F	F	G	G	G	G	G	G	G	G	G
95 11 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	D	D	D
95 11 2	D	D	D	D	D	C	E	D	B	D	D	D	C	C	C	D	D	D	D	E	E	E	D	D
95 11 3	D	D	D	D	D	D	D	D	D	D	C	D	C	C	C	C	D	D	D	E	F	F	F	E
95 11 4	-	-	-	-	-	-	-	-	-	-	D	D	D	C	D	D	E	E	E	E	E	E	E	E
95 11 5	-	-	-	-	-	-	-	A	C	C	D	C	C	C	C	D	E	E	E	E	E	E	E	E
95 11 6	E	E	E	E	E	E	D	E	D	A	B	D	D	D	D	D	D	E	E	E	E	E	E	E
95 11 7	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95 11 8	D	E	D	E	D	D	D	D	D	D	D	D	C	C	D	D	E	E	E	E	E	E	E	E
95 11 9	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E
95 11 10	E	E	D	D	D	D	D	D	D	D	D	D	D	B	-	-	-	-	-	-	-	-	-	E
95 11 11	E	E	D	D	D	D	E	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E
95 11 12	E	E	E	E	E	E	F	E	D	D	D	D	D	E	D	E	E	E	E	F	F	F	F	G

B236

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS

HOURLY STABILITIES
 HOURS

YR MN DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
95 11 13	F	E	E	E	E	E	D	D	E	E	E	E	E	D	D	D	D	-	-	-	-	-	F	F
95 11 14	F	F	F	F	F	F	F	F	F	E	E	E	D	D	D	-	-	-	-	-	-	-	-	-
95 11 15	-	-	-	-	-	-	-	-	-	C	D	C	C	D	D	D	D	D	D	D	D	E	E	E
95 11 16	E	E	E	F	E	F	F	F	F	E	D	D	D	C	C	D	E	E	E	E	E	E	F	F
95 11 17	G	G	-	-	-	-	-	-	A	A	C	D	D	D	D	D	D	D	D	D	D	E	F	F
95 11 18	F	F	F	F	F	F	E	F	E	D	D	C	C	C	D	D	E	E	E	E	E	E	E	E
95 11 19	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E	E
95 11 20	F	G	F	F	G	F	E	F	E	D	D	D	D	D	D	D	D	E	E	E	E	E	F	F
95 11 21	F	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	E	E	F	F	G	F	F	F
95 11 22	F	F	F	F	F	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95 11 23	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E
95 11 24	E	F	F	E	E	E	E	E	D	D	D	C	B	C	D	D	E	F	F	F	E	E	E	F
95 11 25	F	F	G	G	F	G	G	G	G	E	E	E	D	D	D	D	E	E	E	E	E	E	F	F
95 11 26	E	E	E	E	E	F	F	G	G	E	E	D	D	D	D	E	E	E	E	E	E	D	D	D
95 11 27	D	D	D	C	C	C	D	C	D	D	D	C	C	D	D	D	D	D	D	D	D	D	D	D
95 11 28	D	E	E	E	E	E	F	E	E	E	E	E	E	D	D	D	D	D	D	D	D	E	E	E
95 11 29	E	E	E	E	E	E	E	E	E	D	D	D	D	C	D	D	E	F	F	F	G	F	F	G
95 11 30	G	G	G	G	G	G	G	G	G	F	E	D	D	D	D	D	D	E	F	E	F	F	F	F
95 12 1	G	G	F	-	-	-	-	-	-	E	D	D	D	D	D	D	D	D	E	F	F	F	F	F
95 12 2	G	G	F	E	E	E	E	E	E	D	A	A	A	B	C	D	D	E	E	E	E	E	E	E
95 12 3	E	E	F	F	F	E	F	F	F	E	E	E	D	D	D	D	E	F	F	E	-	-	-	-
95 12 4	-	-	-	-	-	-	F	F	E	D	D	D	D	D	D	D	E	E	E	E	E	E	D	E
95 12 5	E	E	D	D	D	D	D	D	D	D	D	D	D	C	C	D	D	D	E	-	-	-	-	F
95 12 6	G	F	F	F	F	E	E	E	D	D	D	D	D	C	B	C	C	D	D	D	D	D	D	D
95 12 7	D	D	D	D	D	D	D	D	D	D	D	D	D	C	C	D	D	D	D	D	D	D	D	D
95 12 8	D	D	D	C	C	C	C	-	-	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95 12 9	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	F	-	-	-	-	-
95 12 10	-	-	-	-	-	-	-	F	E	E	D	D	D	D	D	D	D	E	E	E	E	D	D	D
95 12 11	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95 12 12	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95 12 13	D	D	D	D	D	D	D	D	D	C	B	B	C	B	C	-	-	-	-	-	-	-	-	-
95 12 14	-	-	F	F	F	F	F	F	G	F	E	E	E	D	E	E	E	F	F	F	F	F	G	G
95 12 15	G	G	F	F	E	E	E	F	-	-	-	-	-	D	D	D	E	F	F	F	E	E	E	E
95 12 16	F	F	F	F	F	F	F	F	F	E	D	D	D	D	D	D	D	E	E	E	E	E	E	E
95 12 17	E	E	E	E	E	D	E	E	E	D	D	D	D	D	D	D	C	B	C	C	D	-	-	-
95 12 18	-	-	-	-	-	-	C	D	D	D	A	-	-	-	-	-	-	-	-	-	-	D	D	D
95 12 19	D	C	C	C	C	C	B	B	B	C	C	C	D	D	D	D	D	D	D	D	D	D	D	D
95 12 20	D	D	D	D	D	D	D	D	D	D	D	E	E	-	-	-	-	-	-	-	-	-	-	-
95 12 21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	D	D	C	D	D	D
95 12 22	D	D	D	-	-	-	-	-	D	D	A	C	D	D	D	D	D	-	-	D	D	D	D	D
95 12 23	D	D	-	-	-	-	-	D	D	D	D	D	D	D	D	D	D	-	-	-	-	-	-	-
95 12 24	-	-	-	-	-	D	E	E	E	E	D	D	D	D	D	D	D	E	-	-	D	D	D	D
95 12 25	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E
95 12 26	E	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	-	-	D	E	E	D	D	E
95 12 27	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	F	F

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PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JUL-DEC 1995
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/95 - 12/31/95

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS

YR MN DY	HOURLY STABILITIES																							
	HOURS																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
95 12 28	F	F	F	F	F	F	F	F	F	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D
95 12 29	E	E	E	D	E	E	E	E	E	D	D	D	D	D	D	D	D	E	E	E	E	D	D	D
95 12 30	D	D	D	C	C	C	C	C	B	B	C	C	B	B	B	B	B	C	D	D	D	D	D	D
95 12 31	D	D	D	D	D	D	D	B	B	B	C	C	B	B	B	B	C	C	C	C	C	C	C	C

ATMOSPHERIC DIFFUSION ESTIMATES

The tables of atmospheric diffusion estimates in this section were generated using the computer code XOQDOQ. Data are given for 22 distances and 16 compass points (directions from site) centered on the Cooper Nuclear Station. Tables are presented for the ground-level (vent) and elevated (stack) release options separately, and for the following time periods in 1995: January-March, April-June, January-June, July-September, October-December, July-December, and January-December.

Atmospheric Diffusion Estimates

Ground Level Releases

January-March 1995

VENTS GROUND LEVEL RELEASES - JAN-MAR 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)			DISTANCE IN MILES								
SECTOR	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	3.877E-05	1.289E-05	6.753E-06	3.343E-06	1.330E-06	7.164E-07	4.524E-07	3.150E-07	2.341E-07	1.824E-07	1.471E-07
SSW	3.411E-05	1.082E-05	5.570E-06	2.763E-06	1.133E-06	6.224E-07	3.989E-07	2.810E-07	2.109E-07	1.656E-07	1.345E-07
SW	1.534E-05	5.148E-06	2.737E-06	1.364E-06	5.452E-07	2.943E-07	1.862E-07	1.298E-07	9.654E-08	7.525E-08	6.072E-08
WSW	7.820E-06	2.676E-06	1.408E-06	6.961E-07	2.754E-07	1.478E-07	9.304E-08	6.460E-08	4.790E-08	3.723E-08	2.997E-08
W	8.511E-06	2.930E-06	1.533E-06	7.552E-07	2.965E-07	1.580E-07	9.891E-08	6.836E-08	5.050E-08	3.911E-08	3.138E-08
WNW	1.262E-05	4.220E-06	2.166E-06	1.058E-06	4.157E-07	2.219E-07	1.392E-07	9.640E-08	7.134E-08	5.535E-08	4.449E-08
NW	3.354E-05	1.130E-05	5.875E-06	2.893E-06	1.149E-06	6.180E-07	3.897E-07	2.710E-07	2.012E-07	1.566E-07	1.262E-07
NNW	4.560E-05	1.430E-05	7.425E-06	3.709E-06	1.538E-06	8.512E-07	5.485E-07	3.880E-07	2.922E-07	2.301E-07	1.874E-07
N	8.168E-05	2.525E-05	1.320E-05	6.638E-06	2.764E-06	1.534E-06	9.901E-07	7.013E-07	5.287E-07	4.167E-07	3.395E-07
NNE	5.017E-05	1.565E-05	8.294E-06	4.188E-06	1.726E-06	9.515E-07	6.112E-07	4.313E-07	3.241E-07	2.547E-07	2.071E-07
NE	2.805E-05	8.815E-06	4.616E-06	2.313E-06	9.508E-07	5.232E-07	3.357E-07	2.367E-07	1.778E-07	1.397E-07	1.135E-07
ENE	8.820E-06	2.840E-06	1.505E-06	7.532E-07	3.027E-07	1.641E-07	1.041E-07	7.273E-08	5.422E-08	4.233E-08	3.421E-08
E	1.335E-05	4.556E-06	2.468E-06	1.241E-06	4.945E-07	2.662E-07	1.679E-07	1.168E-07	8.669E-08	6.743E-08	5.431E-08
ESE	2.069E-05	6.940E-06	3.842E-06	1.958E-06	7.835E-07	4.229E-07	2.674E-07	1.862E-07	1.384E-07	1.078E-07	8.690E-08
SE	4.473E-05	1.542E-05	8.243E-06	4.107E-06	1.630E-06	8.757E-07	5.518E-07	3.834E-07	2.844E-07	2.211E-07	1.780E-07
SSE	6.454E-05	2.147E-05	1.152E-05	5.782E-06	2.322E-06	1.258E-06	7.975E-07	5.569E-07	4.149E-07	3.237E-07	2.615E-07

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)			DISTANCE IN MILES								
BEARING	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.219E-07	6.307E-08	4.111E-08	2.382E-08	1.627E-08	1.214E-08	9.571E-09	7.835E-09	6.594E-09	5.666E-09	4.949E-09
SSW	1.122E-07	5.933E-08	3.926E-08	2.320E-08	1.605E-08	1.209E-08	9.599E-09	7.908E-09	6.691E-09	5.776E-09	5.067E-09
SW	5.034E-08	2.606E-08	1.699E-08	9.833E-09	6.710E-09	4.999E-09	3.936E-09	3.219E-09	2.706E-09	2.323E-09	2.028E-09
WSW	2.479E-08	1.273E-08	8.248E-09	4.736E-09	3.212E-09	2.383E-09	1.870E-09	1.525E-09	1.279E-09	1.096E-09	9.548E-10
W	2.529E-08	1.315E-08	8.452E-09	4.799E-09	3.229E-09	2.380E-09	1.859E-09	1.510E-09	1.262E-09	1.078E-09	9.367E-10
WNW	3.679E-08	1.891E-08	1.227E-08	7.066E-09	4.809E-09	3.578E-09	2.815E-09	2.302E-09	1.935E-09	1.661E-09	1.450E-09
NW	1.045E-07	5.383E-08	3.498E-08	2.018E-08	1.375E-08	1.023E-08	8.055E-09	6.585E-09	5.535E-09	4.752E-09	4.148E-09
NNW	1.566E-07	8.345E-08	5.548E-08	3.298E-08	2.289E-08	1.728E-08	1.375E-08	1.134E-08	9.608E-09	8.302E-09	7.288E-09
N	2.839E-07	1.515E-07	1.008E-07	6.001E-08	4.168E-08	3.147E-08	2.505E-08	2.066E-08	1.750E-08	1.513E-08	1.328E-08
NNE	1.728E-07	9.164E-08	6.071E-08	3.591E-08	2.484E-08	1.870E-08	1.485E-08	1.223E-08	1.034E-08	8.920E-09	7.820E-09
NE	9.468E-08	5.019E-08	3.324E-08	1.966E-08	1.361E-08	1.025E-08	8.138E-09	6.703E-09	5.670E-09	4.894E-09	4.292E-09
ENE	2.841E-08	1.480E-08	9.692E-09	5.650E-09	3.878E-09	2.902E-09	2.293E-09	1.881E-09	1.586E-09	1.364E-09	1.193E-09
E	4.494E-08	2.306E-08	1.493E-08	8.555E-09	5.788E-09	4.283E-09	3.354E-09	2.729E-09	2.285E-09	1.954E-09	1.700E-09
ESE	7.197E-08	3.708E-08	2.407E-08	1.383E-08	9.365E-09	6.935E-09	5.432E-09	4.422E-09	3.702E-09	3.166E-09	2.754E-09
SE	1.473E-07	7.567E-08	4.904E-08	2.815E-08	1.908E-08	1.414E-08	1.109E-08	9.034E-09	7.571E-09	6.482E-09	5.643E-09
SSE	2.169E-07	1.126E-07	7.348E-08	4.260E-08	2.908E-08	2.168E-08	1.707E-08	1.396E-08	1.174E-08	1.008E-08	8.793E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.600E-06	1.505E-06	4.679E-07	2.375E-07	1.482E-07	6.638E-08	2.431E-08	1.222E-08	7.858E-09	5.675E-09
SSW	5.490E-06	1.268E-06	4.113E-07	2.137E-07	1.355E-07	6.215E-08	2.359E-08	1.215E-08	7.927E-09	5.784E-09
SW	2.663E-06	6.157E-07	1.924E-07	9.792E-08	6.118E-08	2.742E-08	1.003E-08	5.030E-09	3.229E-09	2.327E-09
WSW	1.373E-06	3.122E-07	9.627E-08	4.861E-08	3.020E-08	1.342E-08	4.839E-09	2.399E-09	1.530E-09	1.098E-09
W	1.498E-06	3.369E-07	1.024E-07	5.126E-08	3.164E-08	1.389E-08	4.913E-09	2.398E-09	1.515E-09	1.080E-09
WNW	2.130E-06	4.724E-07	1.441E-07	7.241E-08	4.486E-08	1.993E-08	7.219E-09	3.601E-09	2.309E-09	1.664E-09
NW	5.756E-06	1.301E-06	4.031E-07	2.042E-07	1.271E-07	5.670E-08	2.061E-08	1.030E-08	6.605E-09	4.760E-09
NNW	7.301E-06	1.715E-06	5.650E-07	2.959E-07	1.886E-07	8.728E-08	3.350E-08	1.736E-08	1.137E-08	8.314E-09
N	1.296E-05	3.078E-06	1.020E-06	5.354E-07	3.418E-07	1.584E-07	6.093E-08	3.162E-08	2.071E-08	1.515E-08
NNE	8.103E-06	1.929E-06	6.300E-07	3.203E-07	2.085E-07	9.593E-08	3.650E-08	1.880E-08	1.226E-08	8.932E-09
NE	4.526E-06	1.063E-06	3.461E-07	1.801E-07	1.143E-07	5.255E-08	1.999E-08	1.030E-08	6.720E-09	4.901E-09
ENE	1.467E-06	3.412E-07	1.075E-07	5.498E-08	3.447E-08	1.556E-08	5.761E-09	2.919E-09	1.886E-09	1.366E-09
E	2.387E-06	5.590E-07	1.737E-07	8.795E-08	5.472E-08	2.431E-08	8.742E-09	4.312E-09	2.738E-09	1.958E-09
ESE	3.693E-06	8.842E-07	2.764E-07	1.404E-07	8.756E-08	3.905E-08	1.412E-08	6.982E-09	4.436E-09	3.172E-09
SE	8.000E-06	1.845E-06	5.708E-07	2.886E-07	1.794E-07	7.976E-08	2.876E-08	1.424E-08	9.063E-09	6.494E-09
SSE	1.118E-05	2.618E-06	8.240E-07	4.207E-07	2.634E-07	1.184E-07	4.346E-08	2.181E-08	1.400E-08	1.009E-08

VENTS GROUND LEVEL RELEASES - JAN-MAR 1995
2.260 DAY DECAY, UNDEPLETED
CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)				DISTANCE IN MILES									
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500			
S	3.872E-05	1.285E-05	6.726E-06	3.325E-06	1.320E-06	7.084E-07	4.460E-07	3.096E-07	2.294E-07	1.781E-07	1.432E-07			
SSW	3.404E-05	1.078E-05	5.538E-06	2.741E-06	1.119E-06	6.124E-07	3.908E-07	2.741E-07	2.048E-07	1.601E-07	1.295E-07			
SW	1.531E-05	5.132E-06	2.723E-06	1.356E-06	5.398E-07	2.903E-07	1.830E-07	1.271E-07	9.420E-08	7.315E-08	5.881E-08			
WSW	7.808E-06	2.668E-06	1.402E-06	6.920E-07	2.731E-07	1.460E-07	9.162E-08	6.341E-08	4.687E-08	3.631E-08	2.913E-08			
W	8.500E-06	2.924E-06	1.528E-06	7.518E-07	2.943E-07	1.564E-07	9.769E-08	6.734E-08	4.960E-08	3.831E-08	3.066E-08			
WNW	1.260E-05	4.210E-06	2.158E-06	1.053E-06	4.127E-07	2.196E-07	1.374E-07	9.489E-08	7.002E-08	5.417E-08	4.341E-08			
NW	3.350E-05	1.128E-05	5.855E-06	2.880E-06	1.141E-06	6.119E-07	3.848E-07	2.668E-07	1.976E-07	1.533E-07	1.231E-07			
NNW	4.551E-05	1.424E-05	7.381E-06	3.681E-06	1.520E-06	8.376E-07	5.375E-07	3.786E-07	2.839E-07	2.227E-07	1.805E-07			
N	8.153E-05	2.516E-05	1.313E-05	6.591E-06	2.734E-06	1.511E-06	9.718E-07	6.857E-07	5.149E-07	4.043E-07	3.281E-07			
NNE	5.007E-05	1.559E-05	8.251E-06	4.159E-06	1.708E-06	9.379E-07	6.002E-07	4.219E-07	3.159E-07	2.474E-07	2.003E-07			
NE	2.799E-05	8.780E-06	4.589E-06	2.295E-06	9.394E-07	5.147E-07	3.288E-07	2.309E-07	1.726E-07	1.350E-07	1.093E-07			
ENE	8.807E-06	2.832E-06	1.498E-06	7.489E-07	3.000E-07	1.621E-07	1.025E-07	7.139E-08	5.304E-08	4.120E-08	3.325E-08			
E	1.333E-05	4.545E-06	2.459E-06	1.235E-06	4.911E-07	2.637E-07	1.659E-07	1.151E-07	8.521E-08	6.611E-08	5.311E-08			
ESE	2.067E-05	6.923E-06	3.828E-06	1.948E-06	7.773E-07	4.184E-07	2.638E-07	1.832E-07	1.358E-07	1.054E-07	8.476E-08			
SE	4.467E-05	1.538E-05	8.216E-06	4.089E-06	1.619E-06	8.675E-07	5.452E-07	3.778E-07	2.796E-07	2.168E-07	1.741E-07			
SSE	6.444E-05	2.141E-05	1.147E-05	5.749E-06	2.303E-06	1.243E-06	7.857E-07	5.469E-07	4.062E-07	3.159E-07	2.543E-07			

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)				DISTANCE IN MILES						
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.183E-07	6.027E-08	3.867E-08	2.171E-08	1.439E-08	1.042E-08	7.976E-09	6.345E-09	5.192E-09	4.341E-09	3.691E-09
SSW	1.075E-07	5.562E-08	3.600E-08	2.037E-08	1.351E-08	9.758E-09	7.444E-09	5.896E-09	4.801E-09	3.992E-09	3.377E-09
SW	4.858E-08	2.469E-08	1.580E-08	8.813E-09	5.799E-09	4.169E-09	3.170E-09	2.504E-09	2.035E-09	1.690E-09	1.428E-09
WSW	2.401E-08	1.213E-08	7.729E-09	4.293E-09	2.817E-09	2.023E-09	1.538E-09	1.215E-09	9.882E-10	8.213E-10	6.945E-10
W	2.522E-08	1.263E-08	8.004E-09	4.417E-09	2.888E-09	2.070E-09	1.572E-09	1.242E-09	1.011E-09	8.410E-10	7.121E-10
WNW	3.579E-08	1.812E-08	1.158E-08	6.469E-09	4.273E-09	3.087E-09	2.360E-09	1.876E-09	1.534E-09	1.282E-09	1.090E-09
NW	1.017E-07	5.161E-08	3.303E-08	1.849E-08	1.223E-08	8.839E-09	6.760E-09	5.374E-09	4.395E-09	3.674E-09	3.124E-09
NNW	1.502E-07	7.838E-08	5.103E-08	2.910E-08	1.940E-08	1.409E-08	1.079E-08	8.577E-09	7.007E-09	5.846E-09	4.960E-09
N	2.733E-07	1.431E-07	9.341E-08	5.353E-08	3.584E-08	2.612E-08	2.009E-08	1.603E-08	1.314E-08	1.101E-08	9.370E-09
NNE	1.665E-07	8.666E-08	5.635E-08	3.213E-08	2.145E-08	1.560E-08	1.198E-08	9.547E-09	7.822E-09	6.544E-09	5.568E-09
NE	9.077E-08	4.709E-08	3.054E-08	1.732E-08	1.151E-08	8.329E-09	6.365E-09	5.049E-09	4.118E-09	3.430E-09	2.905E-09
ENE	2.752E-08	1.410E-08	9.084E-09	5.126E-09	3.409E-09	2.475E-09	1.898E-09	1.513E-09	1.240E-09	1.038E-09	8.840E-10
E	4.383E-08	2.220E-08	1.419E-08	7.920E-09	5.222E-09	3.767E-09	2.877E-09	2.284E-09	1.867E-09	1.559E-09	1.325E-09
ESE	7.000E-08	3.556E-08	2.276E-08	1.271E-08	8.380E-09	6.043E-09	4.612E-09	3.660E-09	2.989E-09	2.495E-09	2.118E-09
SE	1.436E-07	7.279E-08	4.653E-08	2.598E-08	1.714E-08	1.237E-08	9.450E-09	7.505E-09	6.134E-09	5.123E-09	4.354E-09
SSE	2.104E-07	1.074E-07	6.899E-08	3.874E-08	2.563E-08	1.853E-08	1.416E-08	1.125E-08	9.193E-09	7.676E-09	6.520E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.576E-06	1.494E-06	4.614E-07	2.328E-07	1.443E-07	6.357E-08	2.223E-08	1.050E-08	6.372E-09	4.352E-09
SSW	5.460E-06	1.254E-06	4.032E-07	2.076E-07	1.304E-07	5.843E-08	2.079E-08	9.832E-09	5.921E-09	4.004E-09
SW	2.651E-06	6.102E-07	1.893E-07	9.558E-08	5.927E-08	2.605E-08	9.025E-09	4.204E-09	2.516E-09	1.695E-09
WSW	1.368E-06	3.097E-07	9.484E-08	4.757E-08	2.936E-08	1.281E-08	4.400E-09	2.041E-09	1.221E-09	8.238E-10
W	1.493E-06	3.347E-07	1.012E-07	5.037E-08	3.091E-08	1.337E-08	4.534E-09	2.089E-09	1.248E-09	8.436E-10
WNW	2.123E-06	4.693E-07	1.423E-07	7.108E-08	4.378E-08	1.914E-08	6.629E-09	3.113E-09	1.884E-09	1.286E-09
NW	5.738E-06	1.292E-06	3.982E-07	2.005E-07	1.241E-07	5.447E-08	1.894E-08	8.911E-09	5.397E-09	3.684E-09
NNW	7.261E-06	1.697E-06	5.540E-07	2.876E-07	1.818E-07	8.219E-08	2.967E-08	1.419E-08	8.611E-09	5.862E-09
N	1.290E-05	3.048E-06	1.001E-06	5.216E-07	3.304E-07	1.499E-07	5.453E-08	2.630E-08	1.609E-08	1.103E-08
NNE	8.063E-06	1.910E-06	6.190E-07	3.201E-07	2.017E-07	9.094E-08	3.272E-08	1.571E-08	9.585E-09	6.561E-09
NE	4.501E-06	1.052E-06	3.392E-07	1.749E-07	1.101E-07	4.944E-08	1.767E-08	8.391E-09	5.070E-09	3.439E-09
ENE	1.461E-06	3.385E-07	1.059E-07	5.380E-08	3.351E-08	1.485E-08	5.243E-09	2.493E-09	1.519E-09	1.041E-09
E	2.379E-06	5.554E-07	1.717E-07	8.647E-08	5.352E-08	2.345E-08	8.114E-09	3.799E-09	2.295E-09	1.563E-09
ESE	3.680E-06	8.778E-07	2.728E-07	1.378E-07	8.542E-08	3.752E-08	1.302E-08	6.094E-09	3.676E-09	2.502E-09
SE	7.975E-06	1.834E-06	5.642E-07	2.837E-07	1.755E-07	7.686E-08	2.662E-08	1.247E-08	7.538E-09	5.138E-09
SSE	1.114E-05	2.598E-06	8.122E-07	4.120E-07	2.563E-07	1.132E-07	3.964E-08	1.868E-08	1.130E-08	7.698E-09

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VENTS GROUND LEVEL RELEASES - JAN-MAR 1995
 8.000 DAY DECAY, DEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	3.668E-05	1.176E-05	6.011E-06	2.922E-06	1.127E-06	5.914E-07	3.650E-07	2.490E-07	1.816E-07	1.390E-07	1.103E-07
SSW	3.226E-05	9.872E-06	4.956E-06	2.413E-06	9.588E-07	5.130E-07	3.213E-07	2.216E-07	1.632E-07	1.259E-07	1.006E-07
SW	1.451E-05	4.697E-06	2.435E-06	1.192E-06	4.617E-07	2.428E-07	1.501E-07	1.025E-07	7.481E-08	5.730E-08	4.549E-08
WSW	7.398E-06	2.442E-06	1.253E-06	6.083E-07	2.334E-07	1.220E-07	7.504E-08	5.104E-08	3.715E-08	2.838E-08	2.247E-08
W	8.052E-06	2.674E-06	1.365E-06	6.602E-07	2.513E-07	1.304E-07	7.984E-08	5.407E-08	3.920E-08	2.985E-08	2.357E-08
WNW	1.194E-05	3.851E-06	1.928E-06	9.252E-07	3.523E-07	1.832E-07	1.123E-07	7.622E-08	5.537E-08	4.223E-08	3.340E-08
NW	3.173E-05	1.032E-05	5.230E-06	2.529E-06	9.741E-07	5.103E-07	3.146E-07	2.143E-07	1.562E-07	1.195E-07	9.473E-08
NNW	4.313E-05	1.304E-05	6.606E-06	3.240E-06	1.392E-06	7.016E-07	4.418E-07	3.061E-07	2.262E-07	1.750E-07	1.402E-07
N	7.726E-05	2.303E-05	1.175E-05	5.799E-06	2.340E-06	1.265E-06	7.978E-07	5.535E-07	4.094E-07	3.171E-07	2.542E-07
NNE	4.745E-05	1.427E-05	7.380E-06	3.658E-06	1.462E-06	7.847E-07	4.926E-07	3.404E-07	2.510E-07	1.939E-07	1.551E-07
NE	2.653E-05	8.041E-06	4.107E-06	2.020E-06	8.047E-07	4.312E-07	2.703E-07	1.867E-07	1.375E-07	1.062E-07	8.488E-08
ENE	8.344E-06	2.591E-06	1.339E-06	6.582E-07	2.564E-07	1.354E-07	8.735E-08	5.746E-08	4.204E-08	3.226E-08	2.566E-08
E	1.263E-05	4.158E-06	2.197E-06	1.085E-06	4.192E-07	2.198E-07	1.356E-07	9.237E-08	6.731E-08	5.147E-08	4.080E-08
ESE	1.958E-05	6.333E-06	3.420E-06	1.711E-06	6.639E-07	3.491E-07	2.157E-07	1.472E-07	1.074E-07	8.222E-08	6.523E-08
SE	4.231E-05	1.407E-05	7.339E-06	3.591E-06	1.382E-06	7.232E-07	4.455E-07	3.033E-07	2.208E-07	1.688E-07	1.337E-07
SSE	6.106E-05	1.959E-05	1.025E-05	5.053E-06	1.968E-06	1.038E-06	6.433E-07	4.400E-07	3.218E-07	2.468E-07	1.961E-07

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	9.008E-08	4.389E-08	2.713E-08	1.441E-08	9.164E-09	6.417E-09	4.776E-09	3.708E-09	2.969E-09	2.434E-09	2.033E-09
SSW	8.260E-08	4.106E-08	2.572E-08	1.388E-08	8.904E-09	6.271E-09	4.686E-09	3.648E-09	2.926E-09	2.402E-09	2.008E-09
SW	3.715E-08	1.809E-08	1.118E-08	5.923E-09	3.754E-09	2.621E-09	1.946E-09	1.507E-09	1.203E-09	9.841E-10	8.199E-10
WSW	1.831E-08	8.849E-09	5.439E-09	2.862E-09	1.805E-09	1.256E-09	9.304E-10	7.192E-10	5.737E-10	4.687E-10	3.903E-10
W	1.915E-08	9.161E-09	5.590E-09	2.913E-09	1.824E-09	1.263E-09	9.319E-10	7.182E-10	5.714E-10	4.659E-10	3.873E-10
WNW	2.721E-08	1.317E-08	8.105E-09	4.201E-09	2.711E-09	1.893E-09	1.407E-09	1.091E-09	8.723E-10	7.145E-10	5.963E-10
NW	7.726E-08	3.749E-08	2.311E-08	1.223E-08	7.752E-09	5.416E-09	4.025E-09	3.120E-09	2.496E-09	2.044E-09	1.705E-09
NNW	1.153E-07	5.778E-08	3.638E-08	1.977E-08	1.273E-08	8.991E-09	6.735E-09	5.254E-09	4.223E-09	3.472E-09	2.906E-09
N	2.093E-07	1.051E-07	6.626E-08	3.608E-08	2.327E-08	1.646E-08	1.235E-08	9.643E-09	7.759E-09	6.386E-09	5.352E-09
NNE	1.275E-07	6.357E-08	3.991E-08	2.161E-08	1.389E-08	9.797E-09	7.333E-09	5.718E-09	4.594E-09	3.776E-09	3.161E-09
NE	6.973E-08	3.474E-08	2.179E-08	1.178E-08	7.561E-09	5.328E-09	3.983E-09	3.102E-09	2.489E-09	2.044E-09	1.709E-09
ENE	2.098E-08	1.029E-08	6.390E-09	3.414E-09	2.179E-09	1.530E-09	1.141E-09	8.876E-10	7.117E-10	5.841E-10	4.883E-10
E	3.326E-08	1.608E-08	9.885E-09	5.201E-09	3.279E-09	2.281E-09	1.689E-09	1.306E-09	1.042E-09	8.512E-10	7.089E-10
ESE	5.323E-08	2.583E-08	1.591E-08	8.289E-09	5.292E-09	3.683E-09	2.727E-09	2.107E-09	1.681E-09	1.373E-09	1.143E-09
SE	1.090E-07	5.275E-08	3.245E-08	1.710E-08	1.079E-08	7.516E-09	5.569E-09	4.308E-09	3.438E-09	2.811E-09	2.342E-09
SSE	1.603E-07	7.830E-08	4.847E-08	2.576E-08	1.636E-08	1.144E-08	8.505E-09	6.595E-09	5.274E-09	4.319E-09	3.603E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	1-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	5.915E-06	1.288E-06	3.790E-07	1.847E-07	1.113E-07	4.671E-08	1.491E-08	6.493E-09	3.732E-09	2.444E-09
SSW	4.918E-06	1.084E-06	3.325E-07	1.657E-07	1.014E-07	4.347E-08	1.430E-08	6.339E-09	3.670E-09	2.411E-09
SW	2.385E-06	5.267E-07	1.557E-07	7.604E-08	4.590E-08	1.925E-08	6.126E-09	2.653E-09	1.517E-09	9.882E-10
WSW	1.231E-06	2.672E-07	7.795E-08	3.778E-08	2.268E-08	9.436E-09	2.965E-09	1.272E-09	7.241E-10	4.708E-10
W	1.343E-06	2.884E-07	8.303E-08	3.989E-08	2.379E-08	9.794E-09	3.024E-09	1.280E-09	7.233E-10	4.681E-10
WNW	1.910E-06	4.045E-07	1.168E-07	5.632E-08	3.373E-08	1.404E-08	4.433E-09	1.917E-09	1.098E-09	7.175E-10
NW	5.160E-06	1.113E-06	3.267E-07	1.588E-07	9.559E-08	3.994E-08	1.266E-08	5.482E-09	3.141E-09	2.052E-09
NNW	6.540E-06	1.466E-06	4.568E-07	2.295E-07	1.413E-07	6.106E-08	2.033E-08	9.085E-09	5.285E-09	3.485E-09
N	1.161E-05	2.631E-06	8.246E-07	4.154E-07	2.562E-07	1.110E-07	3.709E-08	1.663E-08	9.698E-09	6.419E-09
NNE	7.258E-06	1.649E-06	5.096E-07	2.548E-07	1.564E-07	6.725E-08	2.224E-08	9.902E-09	5.751E-09	3.791E-09
NE	4.054E-06	9.088E-07	2.798E-07	1.396E-07	8.558E-08	3.676E-08	1.213E-08	5.385E-09	3.120E-09	2.052E-09
ENE	1.315E-06	2.919E-07	8.707E-08	4.272E-08	2.588E-08	1.093E-08	3.526E-09	1.548E-09	8.931E-10	5.864E-10
E	2.139E-06	4.785E-07	1.408E-07	6.844E-08	4.117E-08	1.715E-08	5.388E-09	2.311E-09	1.315E-09	8.549E-10
ESE	3.308E-06	7.568E-07	2.239E-07	1.092E-07	6.582E-08	2.751E-08	8.684E-09	3.729E-09	2.122E-09	1.379E-09
SE	7.169E-06	1.580E-06	4.626E-07	2.246E-07	1.350E-07	5.623E-08	1.771E-08	7.611E-09	4.337E-09	2.823E-09
SSE	1.002E-05	2.240E-06	6.673E-07	3.270E-07	1.979E-07	8.326E-08	2.663E-08	1.158E-08	6.637E-09	4.337E-09

VENTS GROUND LEVEL RELEASES - JAN-MAR 1995
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

		RELATIVE DEPOSITION PER UNIT AREA (M ³ -2) AT FIXED POINTS BY DOWNWIND SECTORS												
DIRECTION FROM SITE		DISTANCES IN MILES												
		0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50		
S		2.136E-07	7.224E-08	3.709E-08	1.763E-08	6.334E-09	3.141E-09	1.850E-09	1.211E-09	8.522E-10	6.315E-10	4.867E-10		
SSW		9.745E-08	3.295E-08	1.692E-08	8.044E-09	2.889E-09	1.433E-09	8.437E-10	5.524E-10	3.887E-10	2.881E-10	2.220E-10		
SW		4.790E-08	1.620E-08	8.316E-09	3.954E-09	1.420E-09	7.043E-10	4.147E-10	2.715E-10	1.911E-10	1.416E-10	1.091E-10		
WSW		3.360E-08	1.136E-08	5.834E-09	2.774E-09	9.963E-10	4.941E-10	2.909E-10	1.905E-10	1.340E-10	9.934E-11	7.656E-11		
W		4.981E-08	1.685E-08	8.649E-09	4.112E-09	1.477E-09	7.325E-10	4.313E-10	2.824E-10	1.987E-10	1.473E-10	1.135E-10		
WNW		8.018E-08	2.711E-08	1.392E-08	6.618E-09	2.377E-09	1.179E-09	6.942E-10	4.545E-10	3.198E-10	2.370E-10	1.827E-10		
NW		2.200E-07	7.439E-08	3.820E-08	1.816E-08	6.523E-09	3.235E-09	1.905E-09	1.247E-09	8.776E-10	6.504E-10	5.012E-10		
NNW		1.260E-07	4.260E-08	2.188E-08	1.040E-08	3.736E-09	1.853E-09	1.091E-09	7.143E-10	5.026E-10	3.725E-10	2.870E-10		
N		2.428E-07	8.211E-08	4.216E-08	2.004E-08	7.200E-09	3.571E-09	2.102E-09	1.377E-09	9.687E-10	7.179E-10	5.532E-10		
NNE		1.650E-07	5.578E-08	2.864E-08	1.362E-08	4.891E-09	2.425E-09	1.428E-09	9.351E-10	6.580E-10	4.876E-10	3.758E-10		
NE		7.567E-08	2.559E-08	1.314E-08	6.246E-09	2.244E-09	1.113E-09	6.552E-10	4.290E-10	3.019E-10	2.237E-10	1.724E-10		
ENE		4.563E-08	1.543E-08	7.923E-09	3.767E-09	1.353E-09	6.710E-10	3.951E-10	2.587E-10	1.820E-10	1.349E-10	1.040E-10		
E		7.258E-08	2.457E-08	1.260E-08	5.991E-09	2.152E-09	1.067E-09	6.284E-10	4.115E-10	2.895E-10	2.146E-10	1.654E-10		
ESE		1.151E-07	3.891E-08	1.998E-08	9.497E-09	3.411E-09	1.692E-09	9.962E-10	6.523E-10	4.590E-10	3.401E-10	2.621E-10		
SE		3.001E-07	1.015E-07	5.210E-08	2.477E-08	8.897E-09	4.412E-09	2.598E-09	1.701E-09	1.197E-09	8.871E-10	6.837E-10		
SSE		3.680E-07	1.244E-07	6.389E-08	3.038E-08	1.091E-08	5.411E-09	3.186E-09	2.086E-09	1.468E-09	1.088E-09	8.384E-10		

DIRECTION FROM SITE		DISTANCES IN MILES										
		5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S		3.866E-10	1.718E-10	1.040E-10	5.259E-11	3.183E-11	2.134E-11	1.529E-11	1.148E-11	8.928E-12	7.132E-12	5.821E-12
SSW		1.764E-10	7.835E-11	4.746E-11	2.399E-11	1.452E-11	9.735E-12	6.975E-12	5.238E-12	4.073E-12	3.253E-12	2.655E-12
SW		8.669E-11	3.851E-11	2.333E-11	1.179E-11	7.136E-12	4.785E-12	3.429E-12	2.574E-12	2.002E-12	1.599E-12	1.305E-12
WSW		6.082E-11	2.702E-11	1.637E-11	8.272E-12	5.007E-12	3.357E-12	2.405E-12	1.806E-12	1.404E-12	1.122E-12	9.157E-13
W		9.016E-11	4.005E-11	2.426E-11	1.226E-11	7.422E-12	4.976E-12	3.566E-12	2.678E-12	2.082E-12	1.663E-12	1.357E-12
WNW		1.451E-10	6.446E-11	3.905E-11	1.974E-11	1.195E-11	8.009E-12	5.739E-12	4.310E-12	3.351E-12	2.677E-12	2.185E-12
NW		3.982E-10	1.769E-10	1.071E-10	5.416E-11	3.278E-11	2.198E-11	1.575E-11	1.182E-11	9.194E-12	7.344E-12	5.995E-12
NNW		2.280E-10	1.013E-10	6.136E-11	3.102E-11	1.877E-11	1.259E-11	9.019E-12	6.772E-12	5.265E-12	4.206E-12	3.433E-12
N		4.395E-10	1.952E-10	1.183E-10	5.978E-11	3.618E-11	2.426E-11	1.738E-11	1.305E-11	1.015E-11	8.107E-12	6.617E-12
NNE		2.985E-10	1.326E-10	8.034E-11	4.061E-11	2.458E-11	1.648E-11	1.181E-11	8.866E-12	6.894E-12	5.507E-12	4.495E-12
NE		1.370E-10	6.084E-11	3.686E-11	1.863E-11	1.127E-11	7.560E-12	5.417E-12	4.067E-12	3.163E-12	2.526E-12	2.062E-12
ENE		8.259E-11	3.669E-11	2.223E-11	1.123E-11	6.799E-12	4.559E-12	3.267E-12	2.453E-12	1.907E-12	1.523E-12	1.243E-12
E		1.314E-10	5.836E-11	3.535E-11	1.787E-11	1.081E-11	7.251E-12	5.196E-12	3.901E-12	3.033E-12	2.423E-12	1.978E-12
ESE		2.082E-10	9.251E-11	5.604E-11	2.832E-11	1.714E-11	1.149E-11	8.236E-12	6.184E-12	4.808E-12	3.841E-12	3.135E-12
SE		5.431E-10	2.413E-10	1.462E-10	7.387E-11	4.471E-11	2.998E-11	2.148E-11	1.613E-11	1.254E-11	1.002E-11	8.177E-12
SSE		6.660E-10	2.959E-10	1.792E-10	9.059E-11	5.483E-11	3.676E-11	2.634E-11	1.978E-11	1.538E-11	1.229E-11	1.003E-11

		RELATIVE DEPOSITION PER UNIT AREA (M ³ -2) BY DOWNWIND SECTORS									
DIRECTION FROM SITE		SEGMENT BOUNDARIES IN MILES									
		.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S		3.625E-08	7.426E-09	1.939E-09	8.707E-10	4.925E-10	1.894E-10	5.480E-11	2.172E-11	1.160E-11	7.178E-12
SSW		1.654E-08	3.387E-09	8.843E-10	3.972E-10	2.247E-10	8.640E-11	2.500E-11	9.907E-12	5.290E-12	3.275E-12
SW		8.128E-09	1.665E-09	4.346E-10	1.952E-10	1.104E-10	4.247E-11	1.229E-11	4.869E-12	2.600E-12	1.609E-12
WSW		5.703E-09	1.168E-09	3.049E-10	1.370E-10	7.748E-11	2.979E-11	8.620E-12	3.416E-12	1.824E-12	1.129E-12
W		8.454E-09	1.732E-09	4.521E-10	2.030E-10	1.149E-10	4.417E-11	1.278E-11	5.064E-12	2.704E-12	1.674E-12
WNW		1.361E-08	2.787E-09	7.276E-10	3.268E-10	1.849E-10	7.109E-11	2.057E-11	8.151E-12	4.353E-12	2.694E-12
NW		3.733E-08	7.647E-09	1.996E-09	8.966E-10	5.072E-10	1.951E-10	5.643E-11	2.237E-11	1.194E-11	7.393E-12
NNW		2.138E-08	4.380E-09	1.143E-09	5.135E-10	2.905E-10	1.117E-10	3.232E-11	1.281E-11	6.840E-12	4.234E-12
N		4.121E-08	8.441E-09	2.204E-09	9.897E-10	5.599E-10	2.153E-10	6.229E-11	2.469E-11	1.318E-11	8.160E-12
NNE		2.799E-08	5.734E-09	1.497E-09	6.723E-10	3.803E-10	1.463E-10	4.231E-11	1.677E-11	8.955E-12	5.543E-12
NE		1.284E-08	2.630E-09	6.867E-10	3.084E-10	1.745E-10	6.710E-11	1.941E-11	7.693E-12	4.108E-12	2.543E-12
ENE		7.744E-09	1.586E-09	4.141E-10	1.860E-10	1.052E-10	4.046E-11	1.171E-11	4.639E-12	2.477E-12	1.533E-12
E		1.232E-08	2.523E-09	6.587E-10	2.958E-10	1.674E-10	6.143E-11	1.862E-11	7.379E-12	3.940E-12	2.439E-12
ESE		1.953E-08	4.000E-09	1.044E-09	4.689E-10	2.653E-10	1.020E-10	2.951E-11	1.170E-11	6.246E-12	3.866E-12
SE		5.093E-08	1.043E-08	2.723E-09	1.223E-09	6.919E-10	2.661E-10	7.697E-11	3.051E-11	1.629E-11	1.008E-11
SSE		6.245E-08	1.279E-08	3.340E-09	1.500E-09	8.485E-10	3.263E-10	9.439E-11	3.741E-11	1.998E-11	1.237E-11

VENTS GROUND LEVEL RELEASES - JAN-MAR 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q			D/Q (PER SQ.METER)
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	
			NO DECAY			2.260 DAY DECAY	8.000 DAY DECAY	
					UNDEPLETED	UNDEPLETED	DEPLETED	
A	SITE BOUNDARY	S	0.80	1287.	5.785E-06	5.760E-06	5.130E-06	3.154E-08
A	SITE BOUNDARY	SSW	0.82	1327.	4.417E-06	4.389E-06	3.907E-06	1.328E-08
A	SITE BOUNDARY	SW	0.98	1569.	1.447E-06	1.438E-06	1.266E-06	4.219E-09
A	SITE BOUNDARY	WSW	0.93	1489.	8.389E-07	8.343E-07	7.369E-07	3.389E-09
A	SITE BOUNDARY	W	0.91	1468.	9.438E-07	9.398E-07	8.301E-07	5.213E-09
A	SITE BOUNDARY	WNW	0.94	1509.	1.237E-06	1.232E-06	1.086E-06	7.812E-09
A	SITE BOUNDARY	NW	0.81	1307.	4.834E-06	4.816E-06	4.283E-06	3.119E-08
A	SITE BOUNDARY	NNW	0.69	1106.	8.515E-06	8.470E-06	7.614E-06	2.533E-08
A	SITE BOUNDARY	N	0.67	1086.	1.554E-05	1.547E-05	1.391E-05	5.035E-08
A	SITE BOUNDARY	NNE	0.60	965.	1.172E-05	1.167E-05	1.057E-05	4.144E-08
A	SITE BOUNDARY	NE	0.62	1005.	6.140E-06	6.110E-06	5.518E-06	1.787E-08
A	SITE BOUNDARY	ENE	0.59	945.	2.198E-06	2.191E-06	1.985E-06	1.187E-08
A	SITE BOUNDARY	E	0.53	845.	4.220E-06	4.210E-06	3.840E-06	2.266E-08
A	SITE BOUNDARY	ESE	0.54	865.	6.192E-06	6.175E-06	5.625E-06	3.458E-08
A	SITE BOUNDARY	SE	0.65	1046.	1.029E-05	1.026E-05	9.230E-06	6.626E-08
A	SITE BOUNDARY	SSE	0.81	1307.	9.533E-06	9.491E-06	8.445E-06	5.218E-08
A	NEAR. RESIDENCE	SW	1.30	2092.	7.486E-07	7.422E-07	6.415E-07	2.028E-09
A	NEAR. RESIDENCE	WSW	1.30	2092.	3.796E-07	3.767E-07	3.254E-07	1.423E-09
A	NEAR. RESIDENCE	W	1.00	1609.	7.552E-07	7.518E-07	6.602E-07	4.112E-09
A	NEAR. RESIDENCE	WNW	1.60	2575.	3.603E-07	3.575E-07	3.037E-07	2.028E-09
A	NEAR. RESIDENCE	NW	0.90	1448.	3.739E-06	3.723E-06	3.291E-06	2.386E-08
A	NEAR. RESIDENCE	NNW	1.90	3058.	9.440E-07	9.297E-07	7.820E-07	2.096E-09
A	NEAR. RESIDENCE	N	3.00	4828.	7.013E-07	6.857E-07	5.535E-07	1.377E-09
A	NEAR. RESIDENCE	NNE	2.70	4345.	5.269E-07	5.166E-07	4.210E-07	1.193E-09
A	NEAR. RESIDENCE	ENE	1.70	2736.	2.311E-07	2.288E-07	1.937E-07	9.949E-10
A	NEAR. RESIDENCE	E	1.80	2897.	3.329E-07	3.301E-07	2.777E-07	1.377E-09
A	NEAR. RESIDENCE	ESE	2.40	3863.	2.903E-07	2.866E-07	2.353E-07	1.096E-09
A	NEAREST COW	NNW	3.50	5633.	2.922E-07	2.839E-07	2.261E-07	5.025E-10
A	NEAREST GARDEN	SW	1.30	2092.	7.486E-07	7.422E-07	6.415E-07	2.028E-09
A	NEAREST GARDEN	WSW	1.80	2897.	1.851E-07	1.831E-07	1.543E-07	6.374E-10
A	NEAREST GARDEN	WNW	1.60	2575.	3.603E-07	3.575E-07	3.037E-07	2.028E-09
A	NEAREST GARDEN	NW	2.80	4506.	3.105E-07	3.061E-07	2.475E-07	1.463E-09
A	NEAREST GARDEN	NNW	1.90	3058.	9.440E-07	9.297E-07	7.820E-07	2.096E-09
A	NEAREST GARDEN	N	3.00	4828.	7.013E-07	6.857E-07	5.535E-07	1.377E-09
A	NEAREST GARDEN	ENE	1.70	2736.	2.311E-07	2.288E-07	1.937E-07	9.949E-10
A	NEAREST GARDEN	E	1.80	2897.	3.329E-07	3.301E-07	2.777E-07	1.377E-09
A	NEAREST GARDEN	ESE	2.40	3863.	2.903E-07	2.866E-07	2.353E-07	1.096E-09

B245

Atmospheric Diffusion Estimates

Ground Level Releases

April-June 1995

VENTS GROUND LEVEL RELEASES - APR-JUN 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	3.424E-05	1.157E-05	6.080E-06	3.001E-06	1.178E-06	6.286E-07	3.942E-07	2.729E-07	2.019E-07	1.566E-07	1.258E-07
SSW	2.337E-05	7.635E-06	3.931E-06	1.933E-06	7.698E-07	4.149E-07	2.622E-07	1.826E-07	1.358E-07	1.059E-07	8.540E-08
SW	1.487E-05	5.050E-06	2.651E-06	1.304E-06	5.053E-07	2.674E-07	1.666E-07	1.148E-07	8.463E-08	6.544E-08	5.244E-08
WSW	8.650E-06	2.764E-06	1.410E-06	6.882E-07	2.690E-07	1.432E-07	8.971E-08	6.209E-08	4.594E-08	3.564E-08	2.865E-08
W	6.937E-06	2.421E-06	1.282E-06	6.312E-07	2.417E-07	1.266E-07	7.826E-08	5.352E-08	3.918E-08	3.012E-08	2.400E-08
WNW	1.041E-05	3.444E-06	1.763E-06	8.578E-07	3.320E-07	1.755E-07	1.093E-07	7.529E-08	5.547E-08	4.289E-08	3.436E-08
NW	2.062E-05	6.605E-06	3.427E-06	1.695E-06	6.815E-07	3.699E-07	2.351E-07	1.646E-07	1.229E-07	9.613E-08	7.780E-08
NNW	5.132E-05	1.636E-05	8.584E-06	4.291E-06	1.758E-06	9.657E-07	6.190E-07	4.361E-07	3.273E-07	2.570E-07	2.088E-07
N	5.947E-05	1.912E-05	1.025E-05	5.170E-06	2.107E-06	1.152E-06	7.363E-07	5.174E-07	3.875E-07	3.038E-07	2.463E-07
NNE	4.259E-05	1.353E-05	7.312E-06	3.709E-06	1.508E-06	8.232E-07	5.252E-07	3.686E-07	2.757E-07	2.159E-07	1.750E-07
NE	1.341E-05	4.214E-06	2.221E-06	1.116E-06	4.578E-07	2.515E-07	1.611E-07	1.135E-07	8.513E-08	6.682E-08	5.426E-08
ENE	1.077E-05	3.640E-06	1.946E-06	9.738E-07	3.929E-07	2.134E-07	1.357E-07	9.491E-08	7.082E-08	5.534E-08	4.475E-08
E	6.405E-06	2.092E-06	1.104E-06	5.505E-07	2.209E-07	1.196E-07	7.583E-08	5.294E-08	3.944E-08	3.078E-08	2.486E-08
ESE	1.556E-05	5.339E-06	2.922E-06	1.474E-06	5.802E-07	3.096E-07	1.940E-07	1.342E-07	9.912E-08	7.678E-08	6.162E-08
SE	3.418E-05	1.090E-05	5.747E-06	2.879E-06	1.169E-06	6.380E-07	4.068E-07	2.854E-07	2.134E-07	1.671E-07	1.353E-07
SSE	6.969E-05	2.155E-05	1.110E-05	5.526E-06	2.286E-06	1.264E-06	8.141E-07	5.758E-07	4.335E-07	3.414E-07	2.780E-07

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.040E-07	5.326E-08	3.446E-08	1.977E-08	1.343E-08	9.976E-09	7.835E-09	6.395E-09	5.368E-09	4.602E-09	4.012E-09
SSW	7.083E-08	3.678E-08	2.404E-08	1.398E-08	9.589E-09	7.175E-09	5.670E-09	4.652E-09	3.922E-09	3.376E-09	2.954E-09
SW	4.328E-08	2.212E-08	1.429E-08	8.183E-09	5.552E-09	4.120E-09	3.233E-09	2.638E-09	2.213E-09	1.896E-09	1.653E-09
WSW	2.369E-08	1.220E-08	7.936E-09	4.597E-09	3.153E-09	2.360E-09	1.866E-09	1.532E-09	1.293E-09	1.113E-09	9.748E-10
W	1.969E-08	9.813E-09	6.224E-09	3.471E-09	2.313E-09	1.692E-09	1.313E-09	1.060E-09	8.818E-10	7.500E-10	6.492E-10
WNW	2.833E-08	1.441E-08	9.290E-09	5.315E-09	3.614E-09	2.687E-09	2.114E-09	1.728E-09	1.452E-09	1.247E-09	1.088E-09
NW	6.471E-08	3.395E-08	2.235E-08	1.313E-08	9.068E-09	6.819E-09	5.410E-09	4.453E-09	3.764E-09	3.248E-09	2.847E-09
NNW	1.741E-07	9.213E-08	6.096E-08	3.602E-08	2.491E-08	1.875E-08	1.489E-08	1.226E-08	1.037E-08	8.945E-09	7.843E-09
N	2.051E-07	1.080E-07	7.119E-08	4.182E-08	2.881E-08	2.161E-08	1.711E-08	1.406E-08	1.186E-08	1.022E-08	8.944E-09
NNE	1.456E-07	7.642E-08	5.027E-08	2.946E-08	2.026E-08	1.518E-08	1.201E-08	9.859E-09	8.314E-09	7.156E-09	6.260E-09
NE	4.523E-08	2.389E-08	1.578E-08	9.307E-09	6.429E-09	4.835E-09	3.836E-09	3.157E-09	2.668E-09	2.301E-09	2.017E-09
ENE	3.717E-08	1.935E-08	1.266E-08	7.359E-09	5.030E-09	3.753E-09	2.957E-09	2.420E-09	2.036E-09	1.749E-09	1.527E-09
E	2.063E-08	1.073E-08	7.011E-09	4.073E-09	2.785E-09	2.079E-09	1.639E-09	1.342E-09	1.130E-09	9.709E-10	8.482E-10
ESE	5.082E-08	2.577E-08	1.655E-08	9.367E-09	6.290E-09	4.627E-09	3.605E-09	2.921E-09	2.436E-09	2.077E-09	1.801E-09
SE	1.126E-07	5.905E-08	3.883E-08	2.276E-08	1.566E-08	1.174E-08	9.294E-09	7.634E-09	6.442E-09	5.549E-09	4.857E-09
SSE	2.323E-07	1.240E-07	8.250E-08	4.915E-08	3.420E-08	2.586E-08	2.061E-08	1.702E-08	1.444E-08	1.249E-08	1.097E-08

DIRECTION FROM SITE	CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	5.932E-06	1.339E-06	4.082E-07	2.049E-07	1.269E-07	5.618E-08	2.022E-08	1.004E-08	6.415E-09	4.610E-09
SSW	3.866E-06	8.705E-07	2.711E-07	1.378E-07	8.607E-08	3.868E-08	1.426E-08	7.217E-09	4.665E-09	3.381E-09
SW	2.585E-06	5.769E-07	1.728E-07	8.595E-08	5.290E-08	2.334E-08	8.371E-09	4.147E-09	2.646E-09	1.900E-09
WSW	1.390E-06	3.062E-07	9.293E-08	4.663E-08	2.889E-08	1.286E-08	4.697E-09	2.374E-09	1.536E-09	1.115E-09
W	1.246E-06	2.771E-07	8.126E-08	3.983E-08	2.422E-08	1.041E-08	3.568E-09	1.706E-09	1.064E-09	7.517E-10
WNW	1.734E-06	3.793E-07	1.133E-07	5.634E-08	3.465E-08	1.523E-08	5.442E-09	2.705E-09	1.733E-09	1.249E-09
NW	3.363E-06	7.682E-07	2.428E-07	1.246E-07	7.838E-08	3.563E-08	1.338E-08	6.855E-09	4.464E-09	3.252E-09
NNW	8.405E-06	1.969E-06	6.383E-07	3.316E-07	2.102E-07	9.650E-08	3.662E-08	1.885E-08	1.229E-08	8.958E-09
N	9.963E-06	2.363E-06	7.597E-07	3.927E-07	2.481E-07	1.132E-07	4.256E-08	2.173E-08	1.409E-08	1.023E-08
NNE	7.092E-06	1.693E-06	5.420E-07	2.795E-07	1.762E-07	8.017E-08	3.000E-08	1.527E-08	9.885E-09	7.167E-09
NE	2.173E-06	5.125E-07	1.661E-07	8.625E-08	5.464E-08	2.503E-08	9.467E-09	4.861E-09	3.165E-09	2.305E-09
ENE	1.890E-06	4.422E-07	1.401E-07	7.180E-08	4.508E-08	2.034E-08	7.502E-09	3.775E-09	2.427E-09	1.752E-09
E	1.077E-06	2.491E-07	7.835E-08	4.000E-08	2.505E-08	1.128E-08	4.154E-09	2.091E-09	1.346E-09	9.725E-10
ESE	2.815E-06	6.585E-07	2.009E-07	1.006E-07	6.211E-08	2.724E-08	9.595E-09	4.661E-09	2.932E-09	2.081E-09
SE	5.618E-06	1.313E-06	4.199E-07	2.163E-07	1.363E-07	6.196E-08	2.317E-08	1.181E-08	7.654E-09	5.557E-09
SSE	1.095E-05	2.552E-06	8.387E-07	4.391E-07	2.799E-07	1.296E-07	4.991E-08	2.598E-08	1.706E-08	1.250E-08

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VENTS GROUND LEVEL RELEASES - APR-JUN 1995
 2.260 DAY DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	3.420E-05	1.155E-05	6.057E-06	2.986E-06	1.169E-06	6.222E-07	3.891E-07	2.686E-07	1.982E-07	1.533E-07	1.228E-07
SSW	2.333E-05	7.614E-06	3.915E-06	1.922E-06	7.634E-07	4.102E-07	2.584E-07	1.795E-07	1.331E-07	1.034E-07	8.313E-08
SW	1.486E-05	5.037E-06	2.641E-06	1.297E-06	5.013E-07	2.645E-07	1.644E-07	1.130E-07	8.302E-08	6.402E-08	5.115E-08
WSW	8.639E-06	2.758E-06	1.405E-06	6.849E-07	2.670E-07	1.417E-07	8.855E-08	6.111E-08	4.509E-08	3.489E-08	2.796E-08
W	6.931E-06	2.417E-06	1.279E-06	6.288E-07	2.404E-07	1.257E-07	7.753E-08	5.292E-08	3.867E-08	2.967E-08	2.360E-08
WNW	1.041E-05	3.439E-06	1.759E-06	8.553E-07	3.305E-07	1.744E-07	1.085E-07	7.457E-08	5.485E-08	4.233E-08	3.385E-08
NW	2.059E-05	6.590E-06	3.415E-06	1.687E-06	6.766E-07	3.663E-07	2.322E-07	1.621E-07	1.207E-07	9.417E-08	7.601E-08
NNW	5.124E-05	1.631E-05	8.544E-06	4.264E-06	1.742E-06	9.535E-07	6.091E-07	4.277E-07	3.199E-07	2.504E-07	2.027E-07
N	5.937E-05	1.906E-05	1.020E-05	5.135E-06	2.085E-06	1.137E-06	7.238E-07	5.068E-07	3.783E-07	2.955E-07	2.388E-07
NNE	4.252E-05	1.348E-05	7.274E-06	3.683E-06	1.492E-06	8.117E-07	5.159E-07	3.608E-07	2.689E-07	2.098E-07	1.694E-07
NE	1.339E-05	4.200E-06	2.211E-06	1.109E-06	4.532E-07	2.481E-07	1.584E-07	1.111E-07	8.308E-08	6.498E-08	5.258E-08
ENE	1.075E-05	3.629E-06	1.937E-06	9.680E-07	3.893E-07	2.108E-07	1.336E-07	9.316E-08	6.929E-08	5.397E-08	4.350E-08
E	6.397E-06	2.087E-06	1.100E-06	5.478E-07	2.193E-07	1.184E-07	7.485E-08	5.212E-08	3.872E-08	3.013E-08	2.427E-08
ESE	1.555E-05	5.328E-06	2.912E-06	1.467E-06	5.763E-07	3.068E-07	1.918E-07	1.323E-07	9.752E-08	7.536E-08	6.033E-08
SE	3.412E-05	1.087E-05	5.721E-06	2.862E-06	1.158E-06	6.299E-07	4.003E-07	2.799E-07	2.086E-07	1.628E-07	1.314E-07
SSE	6.957E-05	2.148E-05	1.104E-05	5.489E-06	2.263E-06	1.247E-06	8.001E-07	5.638E-07	4.230E-07	3.319E-07	2.693E-07

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.012E-07	5.113E-08	3.263E-08	1.821E-08	1.204E-08	8.704E-09	6.659E-09	5.296E-09	4.333E-09	3.623E-09	3.082E-09
SSW	6.873E-08	3.513E-08	2.260E-08	1.274E-08	8.467E-09	6.144E-09	4.712E-09	3.753E-09	3.074E-09	2.571E-09	2.187E-09
SW	4.210E-08	2.121E-08	1.351E-08	7.525E-09	4.968E-09	3.588E-09	2.743E-09	2.180E-09	1.783E-09	1.490E-09	1.267E-09
WSW	2.306E-08	1.171E-08	7.511E-09	4.233E-09	2.826E-09	2.061E-09	1.588E-09	1.271E-09	1.047E-09	8.800E-10	7.525E-10
W	1.933E-08	9.542E-09	5.997E-09	3.285E-09	2.150E-09	1.545E-09	1.178E-09	9.355E-10	7.651E-10	6.400E-10	5.450E-10
WNW	2.786E-08	1.405E-08	8.972E-09	5.040E-09	3.364E-09	2.457E-09	1.890E-09	1.524E-09	1.259E-09	1.062E-09	9.117E-10
NW	6.304E-08	3.263E-08	2.119E-08	1.212E-08	8.151E-09	5.973E-09	4.621E-09	3.710E-09	3.061E-09	2.578E-09	2.208E-09
NNW	1.685E-07	8.768E-08	5.707E-08	3.263E-08	2.186E-08	1.595E-08	1.228E-08	9.811E-09	8.056E-09	6.754E-09	5.756E-09
N	1.981E-07	1.025E-07	6.642E-08	3.772E-08	2.514E-08	1.826E-08	1.401E-08	1.116E-08	9.139E-09	7.642E-09	6.498E-09
NNE	1.404E-07	7.240E-08	4.678E-08	2.647E-08	1.759E-08	1.275E-08	9.761E-09	7.760E-09	6.342E-09	5.295E-09	4.495E-09
NE	4.367E-08	2.265E-08	1.470E-08	8.371E-09	5.587E-09	4.063E-09	3.119E-09	2.485E-09	2.035E-09	1.702E-09	1.447E-09
ENE	3.602E-08	1.845E-08	1.188E-08	6.689E-09	4.431E-09	3.206E-09	2.451E-09	1.947E-09	1.591E-09	1.328E-09	1.127E-09
E	2.009E-08	1.030E-08	6.635E-09	3.749E-09	2.494E-09	1.812E-09	1.391E-09	1.110E-09	9.110E-10	7.636E-10	6.510E-10
ESE	4.964E-08	2.487E-08	1.577E-08	8.714E-09	5.713E-09	4.105E-09	3.126E-09	2.477E-09	2.020E-09	1.685E-09	1.431E-09
SE	1.090E-07	5.618E-08	3.633E-08	2.059E-08	1.371E-08	9.962E-09	7.643E-09	6.089E-09	4.986E-09	4.171E-09	3.547E-09
SSE	2.242E-07	1.175E-07	7.682E-08	4.418E-08	2.970E-08	2.172E-08	1.675E-08	1.340E-08	1.101E-08	9.233E-09	7.870E-09

DIRECTION FROM SITE	CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	5.912E-06	1.330E-06	4.031E-07	2.012E-07	1.239E-07	5.404E-08	1.867E-08	8.776E-09	5.319E-09	3.633E-09
SSW	3.852E-06	8.640E-07	2.673E-07	1.350E-07	8.380E-08	3.703E-08	1.303E-08	6.191E-09	3.768E-09	2.578E-09
SW	2.576E-06	5.729E-07	1.705E-07	8.434E-08	5.161E-08	2.243E-08	7.719E-09	3.618E-09	2.190E-09	1.494E-09
WSW	1.385E-06	3.042E-07	9.176E-08	4.578E-08	2.820E-08	1.237E-08	4.336E-09	2.076E-09	1.276E-09	8.821E-10
W	1.243E-06	2.757E-07	8.053E-08	3.932E-08	2.382E-08	1.014E-08	3.383E-09	1.560E-09	9.400E-10	6.419E-10
WNW	1.731E-06	3.777E-07	1.125E-07	5.571E-08	3.414E-08	1.486E-08	5.169E-09	2.475E-09	1.530E-09	1.065E-09
NW	3.353E-06	7.632E-07	2.399E-07	1.224E-07	7.659E-08	3.431E-08	1.237E-08	6.013E-09	3.723E-09	2.584E-09
NNW	8.369E-06	1.952E-06	6.284E-07	3.242E-07	2.042E-07	9.203E-08	3.327E-08	1.606E-08	9.848E-09	6.770E-09
N	9.916E-06	2.341E-06	7.471E-07	3.834E-07	2.405E-07	1.077E-07	3.851E-08	1.840E-08	1.121E-08	7.662E-09
NNE	7.058E-06	1.677E-06	5.327E-07	2.726E-07	1.706E-07	7.613E-08	2.704E-08	1.285E-08	7.792E-09	5.309E-09
NE	2.163E-06	5.078E-07	1.634E-07	8.420E-08	5.295E-08	2.379E-08	8.541E-09	4.091E-09	2.495E-09	1.706E-09
ENE	1.882E-06	4.386E-07	1.380E-07	7.027E-08	4.383E-08	1.943E-08	6.839E-09	3.231E-09	1.955E-09	1.331E-09
E	1.074E-06	2.475E-07	7.737E-08	3.282E-08	2.446E-08	1.084E-08	3.833E-09	1.826E-09	1.115E-09	7.656E-10
ESE	2.807E-06	6.545E-07	1.987E-07	9.902E-08	6.082E-08	2.633E-08	8.948E-09	4.142E-09	2.488E-09	1.690E-09
SE	5.594E-06	1.302E-06	4.134E-07	2.115E-07	1.324E-07	5.908E-08	2.103E-08	1.003E-08	6.113E-09	4.181E-09
SSE	1.089E-05	2.528E-06	8.246E-07	4.285E-07	2.711E-07	1.231E-07	4.500E-08	2.186E-08	1.345E-08	9.255E-09

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VENTS GROUND LEVEL RELEASES - APR-JUN 1995
8.000 DAY DECAY, DEPLETED
CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										DISTANCE IN MILES									
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	1.500	2.000	2.500	3.000	3.500	4.000	4.500		
S	3.240E-05	1.056E-05	5.412E-06	2.623E-06	9.985E-07	5.190E-07	3.181E-07	2.158E-07	1.567E-07	1.195E-07	9.449E-08									
SSW	2.211E-05	6.967E-06	3.499E-06	1.689E-06	6.523E-07	3.424E-07	2.115E-07	1.444E-07	1.054E-07	8.071E-08	6.408E-08									
SW	1.407E-05	4.608E-06	2.360E-06	1.139E-06	4.282E-07	2.207E-07	1.345E-07	9.079E-08	6.568E-08	4.992E-08	3.937E-08									
WSW	8.183E-06	2.522E-06	1.255E-06	6.016E-07	2.279E-07	1.182E-07	7.240E-08	4.910E-08	3.566E-08	2.720E-08	2.151E-08									
W	6.564E-06	2.210E-06	1.142E-06	5.519E-07	2.050E-07	1.046E-07	6.322E-08	4.238E-08	3.046E-08	2.302E-08	1.806E-08									
WNW	9.853E-06	3.143E-06	1.570E-06	7.503E-07	2.816E-07	1.451E-07	8.835E-08	5.964E-08	4.315E-08	3.280E-08	2.587E-08									
NW	1.950E-05	6.028E-06	3.051E-06	1.462E-06	5.776E-07	3.054E-07	1.898E-07	1.302E-07	9.542E-08	7.336E-08	5.843E-08									
NNW	4.955E-05	1.493E-05	7.639E-06	3.749E-06	1.489E-06	7.968E-07	4.991E-07	3.445E-07	2.537E-07	1.958E-07	1.565E-07									
N	5.626E-05	1.744E-05	9.120E-06	4.517E-06	1.784E-06	9.505E-07	5.935E-07	4.086E-07	3.003E-07	2.314E-07	1.846E-07									
NNE	4.029E-05	1.234E-05	6.506E-06	3.240E-06	1.277E-06	6.789E-07	4.233E-07	2.910E-07	2.136E-07	1.644E-07	1.311E-07									
NE	1.268E-05	3.845E-06	1.977E-06	9.754E-07	3.877E-07	2.074E-07	1.299E-07	8.959E-08	6.597E-08	5.089E-08	4.066E-08									
ENE	1.019E-05	3.321E-06	1.732E-06	8.510E-07	3.328E-07	1.761E-07	1.094E-07	7.499E-08	5.492E-08	4.218E-08	3.356E-08									
E	6.060E-06	1.910E-06	9.824E-07	4.812E-07	1.872E-07	9.876E-08	6.120E-08	4.187E-08	3.062E-08	2.349E-08	1.867E-08									
ESE	1.473E-05	4.872E-06	2.601E-06	1.288E-06	4.918E-07	2.557E-07	1.566E-07	1.061E-07	7.698E-08	5.863E-08	4.631E-08									
SE	3.233E-05	9.945E-06	5.115E-06	2.516E-06	9.904E-07	5.264E-07	3.280E-07	2.254E-07	1.654E-07	1.273E-07	1.015E-07									
SSE	6.592E-05	1.966E-05	9.877E-06	4.828E-06	1.936E-06	1.043E-06	6.562E-07	4.546E-07	3.359E-07	2.600E-07	2.083E-07									

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)					DISTANCE IN MILES									
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000				
S	7.693E-08	3.711E-08	2.279E-08	1.200E-08	7.596E-09	5.302E-09	3.937E-09	3.051E-09	2.440E-09	1.998E-09	1.668E-09				
SSW	5.235E-08	2.559E-08	1.586E-08	8.462E-09	5.399E-09	3.792E-09	2.829E-09	2.201E-09	1.766E-09	1.450E-09	1.213E-09				
SW	3.201E-08	1.541E-08	9.447E-09	4.966E-09	3.139E-09	2.189E-09	1.624E-09	1.258E-09	1.006E-09	8.233E-10	6.869E-10				
WSW	1.753E-08	8.502E-09	5.247E-09	2.791E-09	1.783E-09	1.256E-09	9.379E-10	7.312E-10	5.879E-10	4.838E-10	4.056E-10				
W	1.460E-08	6.863E-09	4.137E-09	2.125E-09	1.323E-09	9.120E-10	6.709E-10	5.31E-10	4.102E-10	3.343E-10	2.778E-10				
WNW	2.102E-08	1.009E-08	6.179E-09	3.255E-09	2.067E-09	1.448E-09	1.080E-09	8.402E-10	6.746E-10	5.547E-10	4.647E-10				
NW	4.777E-08	2.366E-08	1.479E-08	7.978E-09	5.132E-09	3.627E-09	2.721E-09	2.127E-09	1.713E-09	1.412E-09	1.185E-09				
NNW	1.286E-07	6.403E-08	4.018E-08	2.176E-08	1.400E-08	9.888E-09	7.411E-09	5.786E-09	4.655E-09	3.832E-09	3.212E-09				
N	1.514E-07	7.500E-08	4.688E-08	2.524E-08	1.616E-08	1.138E-08	8.502E-09	6.621E-09	5.314E-09	4.365E-09	3.652E-09				
NNE	1.074E-07	5.304E-08	3.308E-08	1.776E-08	1.135E-08	7.977E-09	5.953E-09	4.630E-09	3.712E-09	3.047E-09	2.546E-09				
NE	3.338E-08	1.658E-08	1.039E-08	5.611E-09	3.602E-09	2.540E-09	1.901E-09	1.482E-09	1.191E-09	9.792E-10	8.198E-10				
ENE	2.746E-08	1.346E-08	8.351E-09	4.451E-09	2.830E-09	1.982E-09	1.475E-09	1.145E-09	9.161E-10	7.506E-10	6.266E-10				
E	1.526E-08	7.473E-09	4.636E-09	2.472E-09	1.574E-09	1.104E-09	8.229E-10	6.397E-10	5.128E-10	4.209E-10	3.519E-10				
ESE	3.763E-08	1.798E-08	1.096E-08	5.703E-09	3.570E-09	2.470E-09	1.821E-09	1.403E-09	1.115E-09	9.090E-10	7.553E-10				
SE	8.315E-08	4.103E-08	2.559E-08	1.374E-08	8.794E-09	6.187E-09	4.622E-09	3.599E-09	2.888E-09	2.373E-09	1.985E-09				
SSE	1.714E-07	8.606E-08	5.430E-08	2.962E-08	1.916E-08	1.359E-08	1.021E-08	7.995E-09	6.445E-09	5.315E-09	4.461E-09				

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	5.317E-06	1.146E-06	3.308E-07	1.594E-07	9.539E-08	3.959E-08	1.244E-08	5.368E-09	3.071E-09	2.007E-09
SSW	3.465E-06	7.450E-07	2.196E-07	1.071E-07	6.466E-08	2.721E-08	8.745E-09	3.835E-09	2.215E-09	1.456E-09
SW	2.317E-06	4.940E-07	1.400E-07	6.685E-08	3.977E-08	1.645E-08	5.150E-09	2.216E-09	1.267E-09	8.268E-10
WSW	1.246E-06	2.622E-07	7.530E-08	3.627E-08	2.172E-08	9.061E-09	2.889E-09	1.269E-09	7.357E-10	4.857E-10
W	1.117E-06	2.375E-07	6.593E-08	3.103E-08	1.825E-08	7.371E-09	2.215E-09	9.250E-10	5.200E-10	3.358E-10
WNW	1.555E-06	3.251E-07	9.198E-08	4.392E-08	2.613E-08	1.078E-08	3.377E-09	1.466E-09	8.456E-10	5.569E-10
NW	3.015E-06	6.575E-07	1.968E-07	9.694E-08	5.895E-08	2.510E-08	8.226E-09	3.666E-09	2.139E-09	1.417E-09
NNW	7.531E-06	1.684E-06	5.166E-07	2.576E-07	1.578E-07	6.777E-08	2.240E-08	9.993E-09	5.820E-09	3.846E-09
N	8.924E-06	2.021E-06	6.148E-07	3.050E-07	1.862E-07	7.948E-08	2.601E-08	1.150E-08	6.660E-09	4.382E-09
NNE	6.352E-06	1.447E-06	4.385E-07	2.170E-07	1.322E-07	5.625E-08	1.831E-08	8.067E-09	4.659E-09	3.059E-09
NE	1.947E-06	4.382E-07	1.344E-07	6.697E-08	4.099E-08	1.756E-08	5.780E-09	2.568E-09	1.491E-09	9.829E-10
ENE	1.694E-06	3.783E-07	1.134E-07	5.580E-08	3.385E-08	1.430E-08	4.597E-09	2.005E-09	1.152E-09	7.537E-10
E	9.657E-07	2.132E-07	6.348E-08	3.111E-08	1.883E-08	7.943E-09	2.554E-09	1.117E-09	6.437E-10	4.226E-10
ESE	2.523E-06	5.639E-07	1.629E-07	7.832E-08	4.674E-08	1.923E-08	5.924E-09	2.504E-09	1.413E-09	9.132E-10
SE	5.033E-06	1.123E-06	3.399E-07	1.680E-07	1.023E-07	4.353E-08	1.418E-08	6.256E-09	3.620E-09	2.382E-09
SSE	9.808E-06	2.182E-06	6.786E-07	3.409E-07	2.099E-07	9.091E-08	3.046E-08	1.372E-08	8.039E-09	5.334E-09

VENTS GROUND LEVEL RELEASES - APR-JUN 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION

DIRECTION FROM SITE	RELATIVE DEPOSITION PER UNIT AREA (MM ² -2) AT FIXED POINTS BY DOWNWIND SECTORS										
	DISTANCES IN MILES										
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
S	2.050E-07	6.932E-08	3.559E-08	1.692E-08	6.078E-09	3.014E-09	1.775E-09	1.162E-09	8.178E-10	6.060E-10	4.670E-10
SSW	1.233E-07	4.170E-08	2.141E-08	1.018E-08	3.656E-09	1.813E-09	1.068E-09	6.991E-10	4.919E-10	3.645E-10	2.809E-10
SW	9.856E-08	3.333E-08	1.711E-08	8.136E-09	2.922E-09	1.449E-09	8.534E-10	5.588E-10	3.932E-10	2.914E-10	2.246E-10
WSW	7.497E-08	2.535E-08	1.302E-08	6.189E-09	2.223E-09	1.102E-09	6.491E-10	4.250E-10	2.991E-10	2.216E-10	1.708E-10
W	5.590E-08	1.890E-08	9.707E-09	4.615E-09	1.658E-09	8.220E-10	4.840E-10	3.169E-10	2.230E-10	1.653E-10	1.274E-10
WNW	1.073E-07	3.628E-08	1.863E-08	8.857E-09	3.181E-09	1.578E-09	9.290E-10	6.083E-10	4.280E-10	3.172E-10	2.445E-10
NW	1.445E-07	4.885E-08	2.508E-08	1.192E-08	4.283E-09	2.124E-09	1.251E-09	8.189E-10	5.762E-10	4.270E-10	3.291E-10
NNW	2.125E-07	7.185E-08	3.689E-08	1.754E-08	6.300E-09	3.124E-09	1.840E-09	1.205E-09	8.476E-10	6.281E-10	4.840E-10
N	2.364E-07	7.995E-08	4.105E-08	1.952E-08	7.010E-09	3.476E-09	2.047E-09	1.340E-09	9.431E-10	6.990E-10	5.386E-10
NNE	1.645E-07	5.563E-08	2.856E-08	1.358E-08	4.878E-09	2.419E-09	1.424E-09	9.327E-10	6.563E-10	4.864E-10	3.748E-10
NE	5.625E-08	1.902E-08	9.766E-09	4.643E-09	1.668E-09	8.271E-10	4.870E-10	3.189E-10	2.244E-10	1.663E-10	1.281E-10
ENE	5.055E-08	1.709E-08	8.776E-09	4.172E-09	1.499E-09	7.432E-10	4.376E-10	2.866E-10	2.016E-10	1.494E-10	1.152E-10
E	5.375E-08	1.817E-08	9.332E-09	4.456E-09	1.594E-09	7.903E-10	4.653E-10	3.047E-10	2.144E-10	1.589E-10	1.224E-10
ESE	1.165E-07	3.939E-08	2.023E-08	9.616E-09	3.454E-09	1.713E-09	1.009E-09	6.604E-10	4.647E-10	3.444E-10	2.654E-10
SE	1.528E-07	5.169E-08	2.654E-08	1.262E-08	4.532E-09	2.247E-09	1.323E-09	8.665E-10	6.097E-10	4.519E-10	3.482E-10
SSE	2.465E-07	8.336E-08	4.280E-08	2.035E-08	7.309E-09	3.625E-09	2.134E-09	1.397E-09	9.833E-10	7.287E-10	5.616E-10

DIRECTION FROM SITE	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	3.710E-10	1.648E-10	9.984E-11	5.046E-11	3.054E-11	2.048E-11	1.467E-11	1.102E-11	8.567E-12	6.844E-12	5.586E-12
SSW	2.232E-10	9.914E-11	6.006E-11	3.036E-11	1.837E-11	1.232E-11	8.827E-12	6.628E-12	5.153E-12	4.117E-12	3.360E-12
SW	7.784E-10	7.925E-11	4.800E-11	2.426E-11	1.469E-11	9.846E-12	7.055E-12	5.298E-12	4.119E-12	3.291E-12	2.686E-12
WSW	1.357E-10	6.028E-11	3.651E-11	1.846E-11	1.117E-11	7.490E-12	5.367E-12	4.030E-12	3.133E-12	2.503E-12	2.043E-12
W	1.012E-10	4.495E-11	2.723E-11	1.376E-11	8.330E-12	5.585E-12	4.002E-12	3.005E-12	2.336E-12	1.866E-12	1.523E-12
WNW	1.942E-10	8.627E-11	5.226E-11	2.641E-11	1.599E-11	1.072E-11	7.681E-12	5.767E-12	4.484E-12	3.582E-12	2.924E-12
NW	2.614E-10	1.161E-10	7.035E-11	3.556E-11	2.152E-11	1.443E-11	1.034E-11	7.764E-12	6.037E-12	4.822E-12	3.936E-12
NNW	3.845E-10	1.708E-10	1.035E-10	5.230E-11	3.166E-11	2.123E-11	1.521E-11	1.142E-11	8.880E-12	7.093E-12	5.790E-12
N	4.279E-10	1.901E-10	1.152E-10	5.820E-11	3.523E-11	2.362E-11	1.692E-11	1.271E-11	9.881E-12	7.893E-12	6.443E-12
NNE	2.977E-10	1.323E-10	8.012E-11	4.050E-11	2.451E-11	1.643E-11	1.178E-11	8.843E-12	6.875E-12	5.492E-12	4.483E-12
NE	1.018E-10	4.523E-11	2.740E-11	1.385E-11	8.381E-12	5.619E-12	4.026E-12	3.023E-12	2.351E-12	1.878E-12	1.533E-12
ENE	9.148E-11	4.064E-11	2.462E-11	1.244E-11	7.531E-12	5.050E-12	3.618E-12	2.717E-12	2.112E-12	1.687E-12	1.377E-12
E	9.727E-11	4.321E-11	2.618E-11	1.323E-11	8.088E-12	5.369E-12	3.847E-12	2.889E-12	2.246E-12	1.794E-12	1.465E-12
ESE	2.108E-10	9.366E-11	5.673E-11	2.868E-11	1.736E-11	1.164E-11	8.339E-12	6.261E-12	4.868E-12	3.889E-12	3.174E-12
SE	2.766E-10	1.229E-10	7.444E-11	3.763E-11	2.277E-11	1.527E-11	1.031E-11	8.216E-12	6.388E-12	5.103E-12	4.165E-12
SSE	4.461E-10	1.982E-10	1.201E-10	6.068E-11	3.673E-11	2.462E-11	1.635E-11	1.1325E-11	1.030E-11	8.229E-12	6.717E-12

DIRECTION FROM SITE	RELATIVE DEPOSITION PER UNIT AREA (MM ² -2) BY DOWNWIND SECTORS									
	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	3.479E-08	7.126E-09	1.860E-09	8.355E-10	4.727E-10	1.818E-10	5.258E-11	2.084E-11	1.113E-11	6.889E-12
SSW	2.093E-08	4.286E-09	1.119E-09	5.026E-10	2.843E-10	1.093E-10	3.163E-11	1.254E-11	6.695E-12	4.144E-12
SW	1.673E-08	3.426E-09	8.944E-10	4.017E-10	2.273E-10	8.739E-11	2.528E-11	1.002E-11	5.351E-12	3.312E-12
WSW	1.272E-08	2.606E-09	6.804E-10	3.056E-10	1.729E-10	6.648E-11	1.923E-11	7.622E-12	4.070E-12	2.519E-12
W	9.487E-09	1.943E-09	5.073E-10	2.279E-10	1.289E-10	4.957E-11	1.434E-11	5.684E-12	3.035E-12	1.879E-12
WNW	1.821E-08	3.730E-09	9.737E-10	4.373E-10	2.474E-10	9.514E-11	2.752E-11	1.091E-11	5.825E-12	3.606E-12
NW	2.451E-08	5.021E-09	1.311E-09	5.887E-10	3.331E-10	1.281E-10	3.705E-11	1.469E-11	7.842E-12	4.854E-12
NNW	3.606E-08	7.386E-09	1.928E-09	8.660E-10	4.899E-10	1.884E-10	5.450E-11	2.160E-11	1.153E-11	7.140E-12
N	4.012E-08	8.219E-09	2.146E-09	9.636E-10	5.451E-10	2.096E-10	6.065E-11	2.404E-11	1.284E-11	7.945E-12
NNE	2.792E-08	5.719E-09	1.493E-09	6.705E-10	3.793E-10	1.459E-10	4.220E-11	1.673E-11	8.931E-12	5.528E-12
NE	9.546E-09	1.955E-09	5.104E-10	2.293E-10	1.297E-10	4.987E-11	1.443E-11	5.719E-12	3.054E-12	1.890E-12
ENE	8.578E-09	1.757E-09	4.587E-10	2.060E-10	1.165E-10	4.482E-11	1.297E-11	5.139E-12	2.744E-12	1.699E-12
E	9.121E-09	1.868E-09	4.877E-10	2.191E-10	1.239E-10	4.765E-11	1.379E-11	5.464E-12	2.918E-12	1.806E-12
ESE	1.977E-08	4.049E-09	1.057E-09	4.748E-10	2.686E-10	1.033E-10	2.988E-11	1.184E-11	6.324E-12	3.914E-12
SE	2.594E-08	5.313E-09	1.387E-09	6.230E-10	3.524E-10	1.355E-10	3.921E-11	1.554E-11	8.298E-12	5.136E-12
SSE	4.183E-08	8.569E-09	2.237E-09	1.005E-09	5.683E-10	2.186E-10	6.323E-11	2.506E-11	1.338E-11	8.283E-12

VENTS GROUND LEVEL RELEASES - APR-JUN 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q		X/Q		X/Q		D/Q
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)		
			NO DECAY		UNDEPLETED	UNDEPLETED	DEPLETED	DEPLETED			
A	SITE BOUNDARY	S	0.80	1287.	5.206E-06	5.186E-06	4.617E-06	3.027E-08			
A	SITE BOUNDARY	SSW	0.82	1327.	3.110E-06	3.097E-06	2.753E-06	1.680E-08			
A	SITE BOUNDARY	SW	0.98	1569.	1.385E-06	1.378E-06	1.213E-06	8.682E-09			
A	SITE BOUNDARY	WSW	0.93	1489.	8.314E-07	8.276E-07	7.305E-07	7.562E-09			
A	SITE BOUNDARY	W	0.91	1468.	7.901E-07	7.874E-07	6.951E-07	5.851E-09			
A	SITE BOUNDARY	WNW	0.94	1509.	1.004E-06	1.001E-06	8.816E-07	1.045E-08			
A	SITE BOUNDARY	NW	0.81	1307.	2.821E-06	2.811E-06	2.500E-06	2.048E-08			
A	SITE BOUNDARY	NNW	0.69	1106.	9.836E-06	9.794E-06	8.797E-06	4.272E-08			
A	SITE BOUNDARY	N	0.67	1086.	1.202E-05	1.197E-05	1.076E-05	4.902E-08			
A	SITE BOUNDARY	NNE	0.60	965.	1.021E-05	1.017E-05	9.208E-06	4.133E-08			
A	SITE BOUNDARY	NE	0.62	1005.	2.946E-06	2.934E-06	2.648E-06	1.328E-08			
A	SITE BOUNDARY	ENE	0.59	945.	2.841E-06	2.831E-06	2.566E-06	1.314E-08			
A	SITE BOUNDARY	E	0.53	845.	1.931E-06	1.927E-06	1.757E-06	1.678E-08			
A	SITE BOUNDARY	ESE	0.54	865.	4.766E-06	4.755E-06	4.330E-06	3.501E-08			
A	SITE BOUNDARY	SE	0.65	1046.	7.167E-06	7.139E-06	6.430E-06	3.375E-08			
A	SITE BOUNDARY	SSE	0.81	1307.	9.150E-06	9.100E-06	8.103E-06	3.495E-08			
A	NEAR. RESIDENCE	SW	1.30	2092.	7.011E-07	6.964E-07	6.011E-07	4.173E-09			
A	NEAR. RESIDENCE	WSW	1.30	2092.	3.721E-07	3.697E-07	3.190E-07	3.174E-09			
A	NEAR. RESIDENCE	W	1.00	1609.	6.312E-07	6.288E-07	5.519E-07	4.615E-09			
A	NEAR. RESIDENCE	WNW	1.60	2575.	2.871E-07	2.857E-07	2.422E-07	2.714E-09			
A	NEAR. RESIDENCE	NW	0.90	1448.	2.184E-06	2.175E-06	1.923E-06	1.567E-08			
A	NEAR. RESIDENCE	NNW	1.90	3058.	1.072E-06	1.060E-06	8.892E-07	3.535E-09			
A	NEAR. RESIDENCE	N	3.00	4828.	5.174E-07	5.068E-07	4.086E-07	1.340E-09			
A	NEAR. RESIDENCE	NNE	2.70	4345.	4.517E-07	4.431E-07	3.610E-07	1.190E-09			
A	NEAR. RESIDENCE	ENE	1.70	2736.	3.003E-07	2.972E-07	2.516E-07	1.102E-09			
A	NEAR. RESIDENCE	E	1.80	2897.	1.493E-07	1.479E-07	1.245E-07	1.019E-09			
A	NEAR. RESIDENCE	ESE	2.40	3863.	2.110E-07	2.087E-07	1.711E-07	1.110E-09			
A	NEAREST COW	NNW	3.50	5633.	3.272E-07	3.199E-07	2.537E-07	8.474E-10			
A	NEAREST GARDEN	SW	1.30	2092.	7.011E-07	6.964E-07	6.011E-07	4.173E-09			
A	NEAREST GARDEN	WSW	1.80	2897.	1.798E-07	1.781E-07	1.499E-07	1.422E-09			
A	NEAREST GARDEN	WNW	1.60	2575.	2.871E-07	2.857E-07	2.422E-07	2.714E-09			
A	NEAREST GARDEN	NW	2.80	4506.	1.881E-07	1.855E-07	1.500E-07	9.604E-10			
A	NEAREST GARDEN	NNW	1.90	3058.	1.072E-06	1.060E-06	8.892E-07	3.535E-09			
A	NEAREST GARDEN	N	3.00	4828.	5.174E-07	5.068E-07	4.086E-07	1.340E-09			
A	NEAREST GARDEN	ENE	1.70	2736.	3.003E-07	2.972E-07	2.516E-07	1.102E-09			
A	NEAREST GARDEN	E	1.80	2897.	1.493E-07	1.479E-07	1.245E-07	1.019E-09			
A	NEAREST GARDEN	ESE	2.40	3863.	2.110E-07	2.087E-07	1.711E-07	1.110E-09			

Atmospheric Diffusion Estimates

Ground Level Releases

January-June 1995

VENTS GROUND LEVEL RELEASES - JAN-JUN 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)						DISTANCE IN MILES					
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	
S	3.590E-05	1.209E-05	6.356E-06	3.142E-06	1.239E-06	6.626E-07	4.164E-07	2.887E-07	2.139E-07	1.661E-07	1.356E-07	
SSW	2.709E-05	8.774E-06	4.533E-06	2.240E-06	9.029E-07	4.904E-07	3.117E-07	2.181E-07	1.628E-07	1.272E-07	1.029E-07	
SW	1.486E-05	5.046E-06	2.671E-06	1.323E-06	5.192E-07	2.770E-07	1.737E-07	1.203E-07	8.899E-08	6.903E-08	5.548E-08	
WSW	8.174E-06	2.715E-06	1.410E-06	6.927E-07	2.717E-07	1.449E-07	9.085E-08	6.289E-08	4.653E-08	3.610E-08	2.901E-08	
W	7.702E-06	2.680E-06	1.412E-06	6.957E-07	2.694E-07	1.422E-07	8.840E-08	6.075E-08	4.465E-08	3.444E-08	2.753E-08	
WNW	1.134E-05	3.794E-06	1.950E-06	9.508E-07	3.696E-07	1.959E-07	1.222E-07	8.429E-08	6.216E-08	4.809E-08	3.855E-08	
NW	2.634E-05	8.776E-06	4.574E-06	2.257E-06	8.966E-07	4.823E-07	3.043E-07	2.117E-07	1.573E-07	1.225E-07	9.872E-08	
NNW	4.577E-05	1.457E-05	7.636E-06	3.818E-06	1.568E-06	8.620E-07	5.529E-07	3.897E-07	2.927E-07	2.299E-07	1.868E-07	
N	6.655E-05	2.104E-05	1.116E-05	5.624E-06	2.313E-06	1.273E-06	8.166E-07	5.757E-07	4.323E-07	3.396E-07	2.760E-07	
NNE	4.408E-05	1.394E-05	7.474E-06	3.782E-06	1.545E-06	8.459E-07	5.408E-07	3.802E-07	2.848E-07	2.233E-07	1.811E-07	
NE	1.943E-05	6.156E-06	3.242E-06	1.626E-06	6.650E-07	3.646E-07	2.334E-07	1.642E-07	1.231E-07	9.655E-08	7.836E-08	
ENE	9.488E-06	3.153E-06	1.681E-06	8.411E-07	3.379E-07	1.830E-07	1.161E-07	8.109E-08	6.043E-08	4.716E-08	3.810E-08	
E	9.875E-06	3.343E-06	1.800E-06	9.032E-07	3.598E-07	1.937E-07	1.222E-07	8.501E-08	6.312E-08	4.911E-08	3.956E-08	
ESE	1.804E-05	6.134E-06	3.377E-06	1.711E-06	6.792E-07	3.645E-07	2.295E-07	1.592E-07	1.180E-07	9.166E-08	7.373E-08	
SE	3.874E-05	1.301E-05	6.932E-06	3.462E-06	1.383E-06	7.461E-07	4.717E-07	3.286E-07	2.443E-07	1.903E-07	1.535E-07	
SSE	6.507E-05	2.098E-05	1.105E-05	5.526E-06	2.245E-06	1.226E-06	7.824E-07	5.492E-07	4.110E-07	3.219E-07	2.609E-07	

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)						DISTANCE IN MILES					
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	
S	1.105E-07	5.675E-08	3.679E-08	2.116E-08	1.439E-08	1.070E-08	8.409E-09	6.868E-09	5.768E-09	4.947E-09	4.315E-09	
SSW	8.555E-08	4.473E-08	2.936E-08	1.718E-08	1.181E-08	8.854E-09	7.008E-09	5.756E-09	4.858E-09	4.185E-09	3.665E-09	
SW	4.586E-08	2.354E-08	1.525E-08	8.758E-09	5.949E-09	4.418E-09	3.469E-09	2.831E-09	2.376E-09	2.036E-09	1.775E-09	
WSW	2.398E-08	1.229E-08	7.964E-09	4.579E-09	3.117E-09	2.319E-09	1.824E-09	1.491E-09	1.253E-09	1.076E-09	9.388E-10	
W	2.264E-08	1.137E-08	7.252E-09	4.074E-09	2.724E-09	1.998E-09	1.553E-09	1.257E-09	1.047E-09	8.923E-10	7.735E-10	
WNW	3.181E-08	1.621E-08	1.046E-08	5.983E-09	4.060E-09	3.014E-09	2.367E-09	1.932E-09	1.622E-09	1.392E-09	1.214E-09	
NW	8.179E-08	4.226E-08	2.752E-08	1.593E-08	1.088E-08	8.115E-09	6.396E-09	5.236E-09	4.406E-09	3.786E-09	3.308E-09	
NNW	1.558E-07	8.251E-08	5.462E-08	3.228E-08	2.233E-08	1.681E-08	1.334E-08	1.099E-08	9.293E-09	8.020E-09	7.032E-09	
N	2.302E-07	1.219E-07	8.063E-08	4.762E-08	3.290E-08	2.475E-08	1.964E-08	1.616E-08	1.366E-08	1.178E-08	1.032E-08	
NNE	1.509E-07	7.945E-08	5.238E-08	3.079E-08	2.121E-08	1.592E-08	1.261E-08	1.036E-08	8.743E-09	7.532E-09	6.594E-09	
NE	6.529E-08	3.445E-08	2.275E-08	1.340E-08	9.249E-09	6.952E-09	5.512E-09	4.534E-09	3.831E-09	3.303E-09	2.894E-09	
ENE	3.163E-08	1.644E-08	1.074E-08	6.238E-09	4.266E-09	3.183E-09	2.510E-09	2.054E-09	1.729E-09	1.485E-09	1.297E-09	
E	3.274E-08	1.683E-08	1.091E-08	6.265E-09	4.245E-09	3.146E-09	2.466E-09	2.009E-09	1.683E-09	1.441E-09	1.254E-09	
ESE	6.095E-08	3.116E-08	2.012E-08	1.148E-08	7.741E-09	5.714E-09	4.464E-09	3.626E-09	3.030E-09	2.587E-09	2.247E-09	
SE	1.272E-07	6.576E-08	4.280E-08	2.472E-08	1.684E-08	1.253E-08	9.851E-09	8.048E-09	6.760E-09	5.799E-09	5.058E-09	
SSE	2.171E-07	1.140E-07	7.508E-08	4.406E-08	3.035E-08	2.277E-08	1.803E-08	1.482E-08	1.251E-08	1.078E-08	9.437E-09	

DIRECTION FROM SITE	CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT									
	0-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.202E-06	1.406E-06	4.310E-07	2.171E-07	1.347E-07	5.982E-08	2.162E-08	1.077E-08	6.889E-09	4.956E-09
SSW	4.456E-06	1.017E-06	3.219E-07	1.650E-07	1.037E-07	4.697E-08	1.750E-08	8.904E-09	5.772E-09	4.192E-09
SW	2.600E-06	5.901E-07	1.799E-07	9.033E-08	5.593E-08	2.481E-08	8.952E-09	4.447E-09	2.840E-09	2.040E-09
WSW	1.381E-06	3.089E-07	9.408E-08	4.724E-08	2.925E-08	1.297E-08	4.681E-09	2.334E-09	1.496E-09	1.078E-09
W	1.375E-06	3.076E-07	9.169E-08	4.536E-08	2.776E-08	1.204E-08	4.180E-09	2.014E-09	1.262E-09	8.943E-10
WNW	1.916E-06	4.216E-07	1.267E-07	6.312E-08	3.888E-08	1.712E-08	6.123E-09	3.034E-09	1.939E-09	1.394E-09
NW	4.478E-06	1.015E-06	3.147E-07	1.596E-07	9.948E-08	4.449E-08	1.626E-08	8.165E-09	5.251E-09	3.793E-09
NNW	7.481E-06	1.754E-06	5.701E-07	2.965E-07	1.881E-07	8.640E-08	3.282E-08	1.689E-08	1.102E-08	8.031E-09
N	1.090E-05	2.586E-06	8.418E-07	4.380E-07	2.779E-07	1.276E-07	4.841E-08	2.488E-08	1.620E-08	1.180E-08
NNE	7.269E-06	1.731E-06	5.579E-07	2.886E-07	1.824E-07	8.329E-08	3.133E-08	1.601E-08	1.039E-08	7.543E-09
NE	3.171E-06	7.451E-07	2.407E-07	1.247E-07	7.891E-08	3.610E-08	1.363E-08	6.988E-09	4.545E-09	3.308E-09
ENE	1.635E-06	3.809E-07	1.199E-07	6.128E-08	3.839E-08	1.728E-08	6.362E-09	3.202E-09	2.060E-09	1.488E-09
E	1.744E-06	4.067E-07	1.264E-07	6.404E-08	3.986E-08	1.774E-08	6.400E-09	3.167E-09	2.016E-09	1.444E-09
ESE	3.249E-06	7.687E-07	2.374E-07	1.198E-07	7.431E-08	3.287E-08	1.174E-08	5.754E-09	3.638E-09	2.592E-09
SE	6.741E-06	1.562E-06	4.876E-07	2.478E-07	1.547E-07	6.922E-08	2.523E-08	1.261E-08	8.072E-09	5.809E-09
SSE	1.080E-05	2.521E-06	8.074E-07	4.165E-07	2.628E-07	1.196E-07	4.486E-08	2.290E-08	1.486E-08	1.079E-08

VENTS GROUND LEVEL RELEASES - JAN-JUN 1995
 2.260 DAY DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES											
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	
SECTOR	S	3.586E-05	1.206E-05	6.334E-06	3.128E-06	1.230E-06	6.565E-07	4.115E-07	2.847E-07	2.103E-07	1.629E-07	1.307E-07
	SSW	2.705E-05	8.750E-06	4.515E-06	2.228E-06	8.954E-07	4.849E-07	3.073E-07	2.144E-07	1.595E-07	1.243E-07	1.003E-07
	SW	1.484E-05	5.033E-06	2.861E-06	1.316E-06	5.151E-07	2.740E-07	1.714E-07	1.183E-07	8.728E-08	6.751E-08	5.410E-08
	WSW	8.164E-06	2.708E-06	1.405E-06	6.893E-07	2.696E-07	1.434E-07	8.968E-08	6.192E-08	4.569E-08	3.535E-08	2.833E-08
	W	7.695E-06	2.675E-06	1.408E-06	6.930E-07	2.679E-07	1.411E-07	8.754E-08	6.004E-08	4.404E-08	3.390E-08	2.704E-08
	WNW	1.133E-05	3.787E-06	1.945E-06	9.478E-07	3.678E-07	1.945E-07	1.212E-07	8.341E-08	6.139E-08	4.741E-08	3.793E-08
	NW	2.632E-05	8.759E-06	4.561E-06	2.248E-06	8.915E-07	4.765E-07	3.013E-07	2.092E-07	1.551E-07	1.205E-07	9.688E-08
	NNW	4.570E-05	1.453E-05	7.604E-06	3.796E-06	1.554E-06	8.520E-07	5.449E-07	3.829E-07	2.866E-07	2.245E-07	1.819E-07
	N	6.646E-05	2.098E-05	1.112E-05	5.593E-06	2.293E-06	1.258E-06	8.049E-07	5.658E-07	4.237E-07	3.319E-07	2.689E-07
	NNE	4.402E-05	1.390E-05	7.442E-06	3.761E-06	1.531E-06	8.361E-07	5.330E-07	3.735E-07	2.790E-07	2.181E-07	1.764E-07
	NE	1.940E-05	6.138E-06	3.227E-06	1.616E-06	6.590E-07	3.602E-07	2.298E-07	1.611E-07	1.204E-07	9.416E-08	7.617E-08
	ENE	9.476E-06	3.145E-06	1.675E-06	8.370E-07	3.354E-07	1.812E-07	1.146E-07	7.983E-08	5.933E-08	4.618E-08	3.721E-08
	E	9.864E-06	3.336E-06	1.794E-06	8.993E-07	3.575E-07	1.920E-07	1.209E-07	8.388E-08	6.214E-08	4.823E-08	3.876E-08
	ESE	1.802E-05	6.121E-06	3.366E-06	1.704E-06	6.747E-07	3.613E-07	2.269E-07	1.571E-07	1.162E-07	9.000E-08	7.223E-08
	SE	3.869E-05	1.298E-05	6.909E-06	3.447E-06	1.373E-06	7.392E-07	4.662E-07	3.240E-07	2.403E-07	1.867E-07	1.502E-07
	SSE	6.498E-05	2.093E-05	1.101E-05	5.497E-06	2.227E-06	1.213E-06	7.717E-07	5.402E-07	4.030E-07	3.148E-07	2.544E-07

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES											
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	
BEARING	S	1.079E-07	5.470E-08	3.502E-08	1.944E-08	1.303E-08	9.455E-09	7.255E-09	5.785E-09	4.745E-09	3.976E-09	3.389E-09
	SSW	8.307E-08	4.277E-08	2.765E-08	1.568E-08	1.046E-08	7.611E-09	5.848E-09	4.665E-09	3.825E-09	3.203E-09	2.726E-09
	SW	4.460E-08	2.256E-08	1.441E-08	8.043E-09	5.312E-09	3.836E-09	2.931E-09	2.328E-09	1.901E-09	1.587E-09	1.347E-09
	WSW	2.335E-08	1.181E-08	7.549E-09	4.226E-09	2.801E-09	2.030E-09	1.557E-09	1.241E-09	1.017E-09	8.517E-10	7.255E-10
	W	2.219E-08	1.103E-08	6.965E-09	3.833E-09	2.510E-09	1.804E-09	1.375E-09	1.091E-09	8.909E-10	7.441E-10	6.325E-10
	WNW	3.123E-08	1.576E-08	1.007E-08	5.648E-09	3.757E-09	2.735E-09	2.106E-09	1.686E-09	1.389E-09	1.168E-09	9.999E-10
	NW	8.009E-08	4.092E-08	2.635E-08	1.491E-08	9.954E-09	7.260E-09	5.596E-09	4.482E-09	3.690E-09	3.103E-09	2.654E-09
	NNW	1.512E-07	7.887E-08	5.143E-08	2.950E-08	1.981E-08	1.449E-08	1.118E-08	8.948E-09	7.360E-09	6.179E-09	5.273E-09
	N	2.236E-07	1.166E-07	7.606E-08	4.364E-08	2.932E-08	2.145E-08	1.655E-08	1.326E-08	1.091E-08	9.170E-09	7.831E-09
	NNE	1.465E-07	7.598E-08	4.936E-08	2.817E-08	1.886E-08	1.376E-08	1.059E-08	8.470E-09	6.958E-09	5.837E-09	4.978E-09
	NE	6.327E-08	3.285E-08	2.135E-08	1.219E-08	8.154E-09	5.944E-09	4.573E-09	3.652E-09	2.997E-09	2.511E-09	2.138E-09
	ENE	3.080E-08	1.579E-08	1.018E-08	5.754E-09	3.831E-09	2.785E-09	2.139E-09	1.707E-09	1.408E-09	1.173E-09	9.999E-10
	E	3.201E-08	1.626E-08	1.042E-08	5.843E-09	3.868E-09	2.802E-09	2.147E-09	1.710E-09	1.401E-09	1.174E-09	9.996E-10
	ESE	5.956E-08	3.010E-08	1.920E-08	1.070E-08	7.052E-09	5.088E-09	3.886E-09	3.088E-09	2.524E-09	2.110E-09	1.794E-09
	SE	1.242E-07	6.337E-08	4.073E-08	2.293E-08	1.523E-08	1.105E-08	8.478E-09	6.759E-09	5.542E-09	4.642E-09	3.955E-09
	SSE	2.111E-07	1.093E-07	7.091E-08	4.043E-08	2.707E-08	1.975E-08	1.522E-08	1.217E-08	1.000E-08	8.393E-09	7.159E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT	SEGMENT BOUNDARIES IN MILES										
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50	
DIRECTION FROM SITE	S	6.182E-06	1.397E-06	4.261E-07	2.135E-07	1.318E-07	5.777E-08	2.012E-08	9.529E-09	5.809E-09	3.987E-09
	SSW	4.440E-06	1.009E-06	3.175E-07	1.618E-07	1.010E-07	4.500E-08	1.602E-08	7.666E-09	4.683E-09	3.211E-09
	SW	2.590E-06	5.859E-07	1.775E-07	8.862E-08	5.455E-08	2.383E-08	8.243E-09	3.868E-09	2.338E-09	1.591E-09
	WSW	1.376E-06	3.068E-07	9.291E-08	4.639E-08	2.857E-08	1.248E-08	4.331E-09	2.047E-09	1.246E-09	8.539E-10
	W	1.372E-06	3.060E-07	9.083E-08	4.475E-08	2.728E-08	1.170E-08	3.941E-09	1.821E-09	1.096E-09	7.463E-10
	WNW	1.911E-06	4.197E-07	1.256E-07	6.235E-08	3.826E-08	1.667E-08	5.790E-09	2.756E-09	1.693E-09	1.171E-09
	NW	4.466E-06	1.009E-06	3.117E-07	1.573E-07	9.765E-08	4.315E-08	1.525E-08	7.313E-09	4.499E-09	3.111E-09
	NNW	7.451E-06	1.740E-06	5.620E-07	2.905E-07	1.832E-07	8.276E-08	3.007E-08	1.458E-08	8.980E-09	6.193E-09
	N	1.085E-05	2.566E-06	8.301E-07	4.293E-07	2.706E-07	1.224E-07	4.448E-08	2.159E-08	1.331E-08	9.191E-09
	NNE	7.241E-06	1.718E-06	5.500E-07	2.828E-07	1.777E-07	7.981E-08	2.874E-08	1.385E-08	8.501E-09	5.851E-09
	NE	3.158E-06	7.389E-07	2.371E-07	1.220E-07	7.672E-08	3.450E-08	1.243E-08	5.985E-09	3.666E-09	2.517E-09
	ENE	1.629E-06	3.783E-07	1.185E-07	6.018E-08	3.750E-08	1.663E-08	5.882E-09	2.806E-09	1.714E-09	1.176E-09
	E	1.739E-06	4.043E-07	1.250E-07	6.305E-08	3.907E-08	1.716E-08	5.982E-09	2.824E-09	1.717E-09	1.177E-09
	ESE	3.240E-06	7.641E-07	2.348E-07	1.179E-07	7.280E-08	3.180E-08	1.097E-08	5.131E-09	3.101E-09	2.116E-09
	SE	6.720E-06	1.552E-06	4.821E-07	2.438E-07	1.514E-07	6.682E-08	2.346E-08	1.114E-08	6.787E-09	4.654E-09
	SSE	1.076E-05	2.503E-06	7.967E-07	4.086E-07	2.563E-07	1.149E-07	4.127E-08	1.989E-08	1.221E-08	8.413E-09

B254

VENTS GROUND LEVEL RELEASES - JAN-JUN 1995
8.000 DAY DECAY, DEPLETED
CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	0.250	0.500	0.750	1.000	DISTANCE IN MILES						
					1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	3.397E-05	1.103E-05	5.658E-06	2.747E-06	1.050E-06	5.473E-07	3.362E-07	2.284E-07	1.661E-07	1.268E-07	1.004E-07
SSW	2.562E-05	8.006E-06	4.035E-06	1.958E-06	7.650E-07	4.048E-07	2.514E-07	1.724E-07	1.263E-07	9.703E-08	7.725E-08
SW	1.406E-05	4.605E-06	2.378E-06	1.156E-06	4.400E-07	2.287E-07	1.402E-07	9.509E-08	6.906E-08	5.266E-08	4.165E-08
WSW	7.733E-06	2.477E-06	1.255E-06	6.055E-07	2.303E-07	1.196E-07	7.332E-08	4.974E-08	3.612E-08	2.755E-08	2.179E-08
W	7.288E-06	2.446E-06	1.257E-06	6.083E-07	2.284E-07	1.175E-07	7.141E-08	4.809E-08	3.470E-08	2.632E-08	2.071E-08
WNW	1.073E-05	3.463E-06	1.736E-06	8.316E-07	3.134E-07	1.619E-07	9.876E-08	6.675E-08	4.833E-08	3.677E-08	2.901E-08
NW	2.492E-05	8.010E-06	4.073E-06	1.973E-06	7.602E-07	3.985E-07	2.458E-07	1.676E-07	1.222E-07	9.357E-08	7.424E-08
NNW	4.330E-05	1.330E-05	6.796E-06	3.337E-06	1.328E-06	7.114E-07	4.460E-07	3.080E-07	2.270E-07	1.753E-07	1.402E-07
N	6.296E-05	1.920E-05	9.936E-06	4.915E-06	1.959E-06	1.050E-06	6.588E-07	4.550E-07	3.354E-07	2.590E-07	2.071E-07
NNE	4.170E-05	1.272E-05	6.652E-06	3.306E-06	1.309E-06	6.981E-07	4.363E-07	3.005E-07	2.210E-07	1.703E-07	1.359E-07
NE	1.838E-05	5.617E-06	2.885E-06	1.421E-06	5.633E-07	3.009E-07	1.882E-07	1.297E-07	9.544E-08	7.359E-08	5.877E-08
ENE	8.976E-06	2.877E-06	1.496E-06	7.352E-07	2.864E-07	1.511E-07	9.370E-08	6.412E-08	4.691E-08	3.599E-08	2.862E-08
E	9.343E-06	3.051E-06	1.603E-06	7.896E-07	3.050E-07	1.600E-07	9.870E-08	6.727E-08	4.903E-08	3.750E-08	2.974E-08
ESE	1.707E-05	5.598E-06	3.006E-06	1.496E-06	5.758E-07	3.011E-07	1.853E-07	1.260E-07	9.167E-08	7.000E-08	5.542E-08
SE	3.665E-05	1.187E-05	6.172E-06	3.027E-06	1.172E-06	6.162E-07	3.808E-07	2.600E-07	1.898E-07	1.453E-07	1.154E-07
SSE	6.156E-05	1.915E-05	9.840E-06	4.830E-06	1.903E-06	1.012E-06	6.313E-07	4.342E-07	3.189E-07	2.455E-07	1.958E-07

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	5.000	7.500	10.000	15.000	DISTANCE IN MILES						
					20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	8.181E-08	3.959E-08	2.437E-08	1.288E-08	6.166E-09	5.710E-09	4.247E-09	3.296E-09	2.639E-09	2.164E-09	1.808E-09
SSW	6.324E-08	3.113E-08	1.939E-08	1.040E-08	6.658E-09	4.687E-09	3.504E-09	2.731E-09	2.194E-09	1.804E-09	1.510E-09
SW	3.392E-08	1.639E-08	1.008E-08	5.314E-09	3.362E-09	2.346E-09	1.742E-09	1.349E-09	1.079E-09	8.831E-10	7.367E-10
WSW	1.774E-08	8.569E-09	5.269E-09	2.782E-09	1.765E-09	1.234E-09	9.184E-10	7.131E-10	5.712E-10	4.686E-10	3.917E-10
W	1.678E-08	7.947E-09	4.816E-09	2.489E-09	1.554E-09	1.073E-09	7.907E-10	6.089E-10	4.844E-10	3.949E-10	3.284E-10
WNW	2.359E-08	1.134E-08	6.951E-09	3.659E-09	2.318E-09	1.621E-09	1.206E-09	9.371E-10	7.512E-10	6.168E-10	5.160E-10
NW	6.060E-08	2.952E-08	1.826E-08	9.715E-09	6.191E-09	4.346E-09	3.243E-09	2.524E-09	2.026E-09	1.665E-09	1.394E-09
NNW	1.152E-07	5.742E-08	3.607E-08	1.956E-08	1.259E-08	8.904E-09	6.679E-09	5.220E-09	4.203E-09	3.463E-09	2.905E-09
N	1.702E-07	8.483E-08	5.327E-08	2.887E-08	1.858E-08	1.313E-08	9.847E-09	7.693E-09	6.193E-09	5.101E-09	4.279E-09
NNE	1.115E-07	5.530E-08	3.460E-08	1.866E-08	1.197E-08	8.439E-09	6.316E-09	4.925E-09	3.959E-09	3.257E-09	2.728E-09
NE	4.824E-08	2.396E-08	1.501E-08	8.107E-09	5.207E-09	3.674E-09	2.751E-09	2.146E-09	1.726E-09	1.420E-09	1.190E-09
ENE	2.340E-08	1.145E-08	7.105E-09	3.789E-09	2.414E-09	1.694E-09	1.263E-09	9.816E-10	7.870E-10	6.460E-10	5.402E-10
E	2.425E-08	1.175E-08	7.235E-09	3.818E-09	2.413E-09	1.683E-09	1.249E-09	9.670E-10	7.728E-10	6.327E-10	5.278E-10
ESE	4.514E-08	2.175E-08	1.334E-08	6.993E-09	4.399E-09	3.055E-09	2.259E-09	1.745E-09	1.391E-09	1.136E-09	9.454E-10
SE	9.419E-08	4.587E-08	2.835E-08	1.504E-08	9.548E-09	6.680E-09	4.969E-09	3.857E-09	3.088E-09	2.532E-09	2.115E-09
SSE	1.606E-07	7.942E-08	4.962E-08	2.673E-08	1.714E-08	1.208E-08	9.045E-09	7.055E-09	5.672E-09	4.667E-09	3.910E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	5.559E-06	1.204E-06	3.494E-07	1.689E-07	1.013E-07	4.220E-08	1.334E-08	5.780E-09	3.318E-09	2.173E-09
SSW	3.994E-06	8.700E-07	2.607E-07	1.283E-07	7.792E-08	3.305E-08	1.074E-08	4.739E-09	2.747E-09	1.811E-09
SW	2.330E-06	5.052E-07	1.458E-07	7.025E-08	4.205E-08	1.748E-08	5.506E-09	2.375E-09	1.358E-09	8.868E-10
WSW	1.238E-06	2.645E-07	7.624E-08	3.675E-08	2.200E-08	9.140E-09	2.883E-09	1.249E-09	7.177E-10	4.705E-10
W	1.233E-06	2.635E-07	7.437E-08	3.533E-08	2.091E-08	8.518E-09	2.591E-09	1.088E-09	6.134E-10	3.968E-10
WNW	1.718E-06	3.612E-07	1.028E-07	4.919E-08	2.930E-08	1.211E-08	3.795E-09	1.641E-09	9.432E-10	6.193E-10
NW	4.015E-06	8.690E-07	2.552E-07	1.243E-07	7.491E-08	3.142E-08	1.005E-08	4.396E-09	2.540E-09	1.672E-09
NNW	6.704E-06	1.500E-06	4.616E-07	2.305E-07	1.413E-07	6.076E-08	2.013E-08	8.998E-09	5.249E-09	3.475E-09
N	9.763E-06	2.212E-06	6.817E-07	3.405E-07	2.088E-07	8.477E-08	2.972E-08	1.327E-08	7.737E-09	5.120E-09
NNE	6.512E-06	1.481E-06	4.518E-07	2.244E-07	1.371E-07	5.859E-08	1.923E-08	8.531E-09	4.954E-09	3.269E-09
NE	2.842E-06	6.373E-07	1.948E-07	9.691E-08	5.926E-08	2.538E-08	8.352E-09	3.713E-09	2.159E-09	1.425E-09
ENE	1.465E-06	3.260E-07	9.718E-08	4.767E-08	2.887E-08	1.218E-08	3.915E-09	1.713E-09	9.877E-10	6.486E-10
E	1.563E-06	3.483E-07	1.025E-07	4.985E-08	3.001E-08	1.252E-08	3.953E-09	1.704E-09	9.735E-10	6.354E-10
ESE	2.911E-06	6.582E-07	1.924E-07	9.323E-08	5.593E-08	2.321E-08	7.250E-09	3.095E-09	1.757E-09	1.141E-09
SE	6.041E-06	1.337E-06	3.952E-07	1.929E-07	1.164E-07	4.882E-08	1.556E-08	6.761E-09	3.802E-09	2.542E-09
SSE	9.682E-06	2.157E-06	6.540E-07	3.239E-07	1.975E-07	8.421E-08	2.755E-08	1.222E-08	7.097E-09	4.685E-09

VENTS GROUND LEVEL RELEASES - JAN-JUN 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION

***** RELATIVE DEPOSITION PER UNIT AREA (M³-2) AT FIXED POINTS BY DOWNWIND SECTORS *****

DIRECTION FROM SITE	DISTANCES IN MILES										
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
S	2.135E-07	7.221E-08	3.708E-08	1.763E-08	6.331E-09	3.140E-09	1.849E-09	1.211E-09	8.512E-10	6.313E-10	4.865E-10
SSW	1.120E-07	3.788E-08	1.945E-08	9.247E-09	3.321E-09	1.647E-09	9.699E-10	6.351E-10	4.469E-10	3.312E-10	2.552E-10
SW	7.424E-08	2.511E-08	1.285E-08	6.128E-09	2.201E-09	1.092E-09	6.428E-10	4.209E-10	2.962E-10	2.195E-10	1.691E-10
WSW	5.506E-08	1.862E-08	9.560E-09	4.545E-09	1.633E-09	8.096E-10	4.767E-10	3.121E-10	2.196E-10	1.628E-10	1.254E-10
W	5.390E-08	1.823E-08	9.358E-09	4.449E-09	1.598E-09	7.925E-10	4.666E-10	3.055E-10	2.150E-10	1.593E-10	1.228E-10
WNW	9.542E-08	3.227E-08	1.657E-08	7.877E-09	2.829E-09	1.403E-09	8.262E-10	5.410E-10	3.806E-10	2.821E-10	2.174E-10
NW	1.865E-07	6.305E-08	3.238E-08	1.539E-08	5.529E-09	2.742E-09	1.614E-09	1.057E-09	7.438E-10	5.513E-10	4.248E-10
NNW	1.713E-07	5.792E-08	2.974E-08	1.414E-08	5.079E-09	2.519E-09	1.483E-09	9.711E-10	6.833E-10	5.064E-10	3.902E-10
N	2.435E-07	8.233E-08	4.227E-08	2.010E-08	7.219E-09	3.580E-09	2.108E-09	1.380E-09	9.713E-10	7.198E-10	5.547E-10
NNE	1.674E-07	5.662E-08	2.907E-08	1.382E-08	4.964E-09	2.462E-09	1.450E-09	9.492E-10	6.679E-10	4.950E-10	3.814E-10
NE	6.711E-08	2.269E-08	1.165E-08	5.540E-09	1.990E-09	9.868E-10	5.811E-10	3.805E-10	2.677E-10	1.984E-10	1.529E-10
ENE	4.894E-08	1.655E-08	8.498E-09	4.040E-09	1.451E-09	7.196E-10	4.237E-10	2.775E-10	1.952E-10	1.447E-10	1.115E-10
E	6.463E-08	2.185E-08	1.122E-08	5.334E-09	1.916E-09	9.505E-10	5.595E-10	3.664E-10	2.578E-10	1.911E-10	1.472E-10
ESE	1.181E-07	3.993E-08	2.050E-08	9.747E-09	3.501E-09	1.736E-09	1.022E-09	6.694E-10	4.710E-10	3.491E-10	2.690E-10
SE	2.322E-07	7.852E-08	4.031E-08	1.917E-08	6.885E-09	3.414E-09	2.010E-09	1.316E-09	9.262E-10	6.864E-10	5.290E-10
SSE	3.141E-07	1.062E-07	5.453E-08	2.592E-08	9.312E-09	4.618E-09	2.719E-09	1.780E-09	1.253E-09	9.285E-10	7.155E-10

DIRECTION FROM SITE	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	3.865E-10	1.717E-10	1.040E-10	5.257E-11	3.182E-11	2.133E-11	1.529E-11	1.148E-11	8.924E-12	7.129E-12	5.819E-12
SSW	2.027E-10	9.007E-11	5.456E-11	2.758E-11	1.669E-11	1.119E-11	8.019E-12	6.021E-12	4.682E-12	3.740E-12	3.052E-12
SW	1.344E-10	5.969E-11	3.616E-11	1.820E-11	1.106E-11	7.417E-12	5.314E-12	3.991E-12	3.103E-12	2.478E-12	2.023E-12
WSW	9.965E-11	4.427E-11	2.682E-11	1.355E-11	8.204E-12	5.500E-12	3.941E-12	2.959E-12	2.301E-12	1.830E-12	1.500E-12
W	9.755E-11	4.333E-11	2.625E-11	1.327E-11	8.030E-12	5.384E-12	3.858E-12	2.897E-12	2.252E-12	1.799E-12	1.469E-12
WNW	1.727E-10	7.672E-11	4.647E-11	2.349E-11	1.422E-11	9.532E-12	6.830E-12	5.129E-12	3.988E-12	3.186E-12	2.600E-12
NW	3.375E-10	1.499E-10	9.082E-11	4.590E-11	2.778E-11	1.863E-11	1.355E-11	1.002E-11	7.793E-12	6.225E-12	5.081E-12
NNW	3.100E-10	1.377E-10	8.343E-11	4.217E-11	2.552E-11	1.711E-11	1.226E-11	9.207E-12	7.159E-12	5.718E-12	4.668E-12
N	4.407E-10	1.958E-10	1.186E-10	5.994E-11	3.628E-11	2.432E-11	1.743E-11	1.309E-11	1.018E-11	8.128E-12	6.634E-12
NNE	3.030E-10	1.346E-10	8.154E-11	4.122E-11	2.495E-11	1.673E-11	1.198E-11	8.999E-12	6.997E-12	5.589E-12	4.562E-12
NE	1.215E-10	5.396E-11	3.269E-11	1.652E-11	1.000E-11	6.705E-12	4.804E-12	3.607E-12	2.805E-12	2.241E-12	1.829E-12
ENE	8.858E-11	3.935E-11	2.384E-11	1.205E-11	7.292E-12	4.889E-12	3.503E-12	2.631E-12	2.045E-12	1.634E-12	1.334E-12
E	1.170E-10	5.196E-11	3.148E-11	1.591E-11	9.629E-12	6.456E-12	4.626E-12	3.474E-12	2.701E-12	2.157E-12	1.761E-12
ESE	2.137E-10	9.493E-11	5.751E-11	2.907E-11	1.759E-11	1.180E-11	8.452E-12	6.347E-12	4.935E-12	3.942E-12	3.217E-12
SE	4.202E-10	1.867E-10	1.131E-10	5.716E-11	3.460E-11	2.320E-11	1.662E-11	1.248E-11	9.704E-12	7.752E-12	6.327E-12
SSE	5.684E-10	2.525E-10	1.530E-10	7.731E-11	4.679E-11	3.137E-11	2.248E-11	1.688E-11	1.313E-11	1.048E-11	8.558E-12

***** RELATIVE DEPOSITION PER UNIT AREA (M³-2) BY DOWNWIND SECTORS *****

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	3.624E-08	7.423E-09	1.938E-09	8.703E-10	4.924E-10	1.893E-10	5.477E-11	2.171E-11	1.159E-11	7.176E-12
SSW	1.901E-08	3.894E-09	1.017E-09	4.566E-10	2.583E-10	9.932E-11	2.873E-11	1.139E-11	6.081E-12	3.764E-12
SW	1.260E-08	2.581E-09	6.737E-10	3.026E-10	1.712E-10	6.583E-11	1.904E-11	7.548E-12	4.031E-12	2.495E-12
WSW	9.344E-09	1.914E-09	4.997E-10	2.244E-10	1.270E-10	4.882E-11	1.412E-11	5.598E-12	2.989E-12	1.850E-12
W	9.147E-09	1.874E-09	4.891E-10	2.197E-10	1.243E-10	4.779E-11	1.382E-11	5.479E-12	2.926E-12	1.811E-12
WNW	1.619E-08	3.317E-09	8.659E-10	3.889E-10	2.200E-10	8.461E-11	2.448E-11	9.701E-12	5.180E-12	3.206E-12
NW	3.164E-08	6.482E-09	1.692E-09	7.600E-10	4.299E-10	1.653E-10	4.783E-11	1.896E-11	1.012E-11	6.266E-12
NNW	2.907E-08	5.954E-09	1.554E-09	6.981E-10	3.949E-10	1.519E-10	4.394E-11	1.741E-11	9.299E-12	5.756E-12
N	4.132E-08	8.464E-09	2.209E-09	9.923E-10	5.614E-10	2.159E-10	6.245E-11	2.475E-11	1.322E-11	8.182E-12
NNE	2.841E-08	5.820E-09	1.519E-09	6.824E-10	3.860E-10	1.485E-10	4.295E-11	1.702E-11	9.090E-12	5.626E-12
NE	1.139E-08	2.333E-09	6.090E-10	2.735E-10	1.547E-10	5.951E-11	1.722E-11	6.823E-12	3.644E-12	2.255E-12
ENE	8.306E-09	1.701E-09	4.441E-10	1.995E-10	1.128E-10	4.340E-11	1.255E-11	4.976E-12	2.657E-12	1.645E-12
E	1.097E-08	2.246E-09	5.865E-10	2.634E-10	1.490E-10	5.730E-11	1.658E-11	6.570E-12	3.509E-12	2.172E-12
ESE	2.004E-08	4.105E-09	1.072E-09	4.812E-10	2.722E-10	1.047E-10	3.029E-11	1.200E-11	6.410E-12	3.968E-12
SE	3.941E-08	8.071E-09	2.107E-09	9.464E-10	5.354E-10	2.059E-10	5.956E-11	2.361E-11	1.261E-11	7.802E-12
SSE	5.330E-08	1.092E-08	2.850E-09	1.280E-09	7.241E-10	2.785E-10	8.056E-11	3.193E-11	1.705E-11	1.055E-11

VENTS GROUND LEVEL RELEASES - JAN-JUN 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q			D/Q (PER SQ.METER)
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	
			NO DECAY			2.260 DAY DECAY	8.000 DAY DECAY	
					UNDEPLETED	UNDEPLETED	DEPLETED	
A	SITE BOUNDARY	S	0.80	1287.	5.444E-06	5.425E-06	4.828E-06	3.153E-08
A	SITE BOUNDARY	SSW	0.82	1327.	3.592E-06	3.576E-06	3.179E-06	1.526E-08
A	SITE BOUNDARY	SW	0.98	1569.	1.404E-06	1.397E-06	1.230E-06	6.539E-09
A	SITE BOUNDARY	WSW	0.93	1489.	8.359E-07	8.321E-07	7.345E-07	5.554E-09
A	SITE BOUNDARY	W	0.91	1468.	8.701E-07	8.671E-07	7.655E-07	5.640E-09
A	SITE BOUNDARY	WNW	0.94	1509.	1.112E-06	1.109E-06	9.768E-07	9.297E-09
A	SITE BOUNDARY	NW	0.81	1307.	3.765E-06	3.754E-06	3.337E-06	2.644E-08
A	SITE BOUNDARY	NNW	0.69	1106.	8.749E-06	8.715E-06	7.826E-06	3.444E-08
A	SITE BOUNDARY	N	0.67	1086.	1.311E-05	1.306E-05	1.174E-05	5.048E-08
A	SITE BOUNDARY	NNE	0.60	965.	1.049E-05	1.045E-05	9.459E-06	4.206E-08
A	SITE BOUNDARY	NE	0.62	1005.	4.303E-06	4.287E-06	3.869E-06	1.585E-08
A	SITE BOUNDARY	ENE	0.59	945.	2.453E-06	2.446E-06	2.216E-06	1.273E-08
A	SITE BOUNDARY	E	0.53	845.	3.094E-06	3.087E-06	2.815E-06	2.018E-08
A	SITE BOUNDARY	ESE	0.54	865.	5.476E-06	5.464E-06	4.975E-06	3.549E-08
A	SITE BOUNDARY	SE	0.65	1046.	8.644E-06	8.620E-06	7.758E-06	5.127E-08
A	SITE BOUNDARY	SSE	0.81	1307.	9.132E-06	9.094E-06	8.090E-06	4.453E-08
A	NEAR. RESIDENCE	SW	1.30	2092.	7.173E-07	7.124E-07	6.150E-07	3.143E-09
A	NEAR. RESIDENCE	WSW	1.30	2092.	3.755E-07	3.730E-07	3.219E-07	2.331E-09
A	NEAR. RESIDENCE	W	1.00	1609.	6.957E-07	6.930E-07	6.083E-07	4.449E-09
A	NEAR. RESIDENCE	WNW	1.60	2575.	3.198E-07	3.181E-07	2.697E-07	2.414E-09
A	NEAR. RESIDENCE	NW	0.90	1448.	2.914E-06	2.904E-06	2.566E-06	2.022E-08
A	NEAR. RESIDENCE	NNW	1.90	3058.	9.570E-07	9.465E-07	7.938E-07	2.850E-09
A	NEAR. RESIDENCE	N	3.00	4828.	5.757E-07	5.658E-07	4.550E-07	1.380E-09
A	NEAR. RESIDENCE	NNE	2.70	4345.	4.655E-07	4.582E-07	3.723E-07	1.211E-09
A	NEAR. RESIDENCE	ENE	1.70	2736.	2.579E-07	2.557E-07	2.162E-07	1.067E-09
A	NEAR. RESIDENCE	E	1.80	2897.	2.422E-07	2.403E-07	2.021E-07	1.226E-09
A	NEAR. RESIDENCE	ESE	2.40	3863.	2.494E-07	2.467E-07	2.022E-07	1.125E-09
A	NEAREST COW	NNW	3.50	5633.	2.926E-07	2.866E-07	2.270E-07	6.832E-10
A	NEAREST GARDEN	SW	1.30	2092.	7.173E-07	7.124E-07	6.150E-07	3.143E-09
A	NEAREST GARDEN	WSW	1.80	2897.	1.818E-07	1.801E-07	1.516E-07	1.044E-09
A	NEAREST GARDEN	WNW	1.60	2575.	3.198E-07	3.181E-07	2.697E-07	2.414E-09
A	NEAREST GARDEN	NW	2.80	4506.	2.426E-07	2.398E-07	1.935E-07	1.240E-09
A	NEAREST GARDEN	NNW	1.90	3058.	9.570E-07	9.465E-07	7.938E-07	2.850E-09
A	NEAREST GARDEN	N	3.00	4828.	5.757E-07	5.658E-07	4.550E-07	1.380E-09
A	NEAREST GARDEN	ENE	1.70	2736.	2.579E-07	2.557E-07	2.162E-07	1.067E-09
A	NEAREST GARDEN	E	1.80	2897.	2.422E-07	2.403E-07	2.021E-07	1.226E-09
A	NEAREST GARDEN	ESE	2.40	3863.	2.494E-07	2.467E-07	2.022E-07	1.125E-09

B257

Atmospheric Diffusion Estimates

Ground Level Releases

July-September 1995

VENTS GROUND LEVEL RELEASES - JUL-SEP 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES											
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	
SECTOR												
S	4.234E-05	1.412E-05	7.556E-06	3.785E-06	1.515E-06	8.188E-07	5.183E-07	3.615E-07	2.690E-07	2.097E-07	1.693E-07	
SSW	2.166E-05	7.242E-06	3.899E-06	1.959E-06	7.826E-07	4.221E-07	2.667E-07	1.858E-07	1.381E-07	1.075E-07	8.670E-08	
SW	8.571E-06	2.939E-06	1.589E-06	7.962E-07	3.179E-07	1.715E-07	1.085E-07	7.561E-08	5.625E-08	4.304E-08	3.537E-08	
WSW	8.209E-06	2.698E-06	1.475E-06	7.466E-07	2.962E-07	1.589E-07	1.001E-07	6.949E-08	5.153E-08	4.004E-08	3.223E-08	
W	7.174E-06	2.358E-06	1.263E-06	6.346E-07	2.561E-07	1.392E-07	8.847E-08	6.192E-08	4.622E-08	3.613E-08	2.922E-08	
WNV	8.769E-06	2.923E-06	1.584E-06	7.957E-07	3.134E-07	1.674E-07	1.050E-07	7.272E-08	5.380E-08	4.173E-08	3.352E-08	
NW	2.652E-05	9.160E-06	5.032E-06	2.541E-06	1.009E-06	5.422E-07	3.416E-07	2.374E-07	1.761E-07	1.369E-07	1.102E-07	
NNW	6.684E-05	2.181E-05	1.188E-05	6.026E-06	2.436E-06	1.324E-06	8.422E-07	5.894E-07	4.399E-07	3.438E-07	2.780E-07	
N	5.770E-05	1.849E-05	1.007E-05	5.122E-06	2.085E-06	1.139E-06	7.268E-07	5.102E-07	3.817E-07	2.989E-07	2.422E-07	
NNE	4.676E-05	1.461E-05	7.841E-06	3.979E-06	1.636E-06	9.005E-07	5.778E-07	4.073E-07	3.059E-07	2.403E-07	1.952E-07	
NE	1.367E-05	4.285E-06	2.312E-06	1.174E-06	4.787E-07	2.619E-07	1.673E-07	1.175E-07	8.802E-08	6.898E-08	5.593E-08	
ENE	1.086E-05	3.498E-06	1.907E-06	9.676E-07	3.874E-07	2.094E-07	1.325E-07	9.243E-08	6.808E-08	5.364E-08	4.330E-08	
E	1.103E-05	3.298E-06	1.676E-06	8.346E-07	3.517E-07	1.968E-07	1.279E-07	9.104E-08	6.893E-08	5.453E-08	4.458E-08	
ESE	8.824E-06	2.794E-06	1.534E-06	7.829E-07	3.144E-07	1.702E-07	1.079E-07	7.535E-08	5.614E-08	4.380E-08	3.538E-08	
SE	1.987E-05	6.899E-06	3.317E-06	1.700E-06	7.038E-07	3.887E-07	2.501E-07	1.766E-07	1.328E-07	1.045E-07	8.498E-08	
SSE	7.068E-05	2.216E-05	1.167E-05	5.866E-06	2.425E-06	1.339E-06	8.617E-07	6.089E-07	4.581E-07	3.605E-07	2.933E-07	

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES											
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	
BEARING												
S	1.404E-07	7.272E-08	4.741E-08	2.744E-08	1.871E-08	1.393E-08	1.096E-08	8.960E-09	7.529E-09	6.461E-09	5.637E-09	
SSW	7.183E-08	3.707E-08	2.410E-08	1.389E-08	9.437E-09	7.007E-09	5.502E-09	4.488E-09	3.765E-09	3.226E-09	2.811E-09	
SW	2.932E-08	1.516E-08	9.872E-09	5.703E-09	3.882E-09	2.887E-09	2.269E-09	1.853E-09	1.556E-09	1.334E-09	1.163E-09	
WSW	2.665E-08	1.365E-08	8.828E-09	5.061E-09	3.437E-09	2.551E-09	2.002E-09	1.632E-09	1.369E-09	1.172E-09	1.021E-09	
W	2.427E-08	1.265E-08	8.279E-09	4.817E-09	3.295E-09	2.459E-09	1.939E-09	1.588E-09	1.336E-09	1.148E-09	1.003E-09	
WNV	2.768E-08	1.409E-08	9.078E-09	5.177E-09	3.504E-09	2.594E-09	2.032E-09	1.655E-09	1.386E-09	1.185E-09	1.031E-09	
NW	9.117E-08	4.677E-08	3.027E-08	1.733E-08	1.171E-08	8.661E-09	6.777E-09	5.511E-09	4.611E-09	3.941E-09	3.426E-09	
NNW	2.310E-07	1.204E-07	7.879E-08	4.582E-08	3.132E-08	2.336E-08	1.840E-08	1.506E-08	1.266E-08	1.087E-08	9.495E-09	
N	2.015E-07	1.057E-07	6.944E-08	4.062E-08	2.789E-08	2.087E-08	1.649E-08	1.352E-08	1.139E-08	9.798E-09	8.565E-09	
NNE	1.628E-07	8.618E-08	5.701E-08	3.366E-08	2.326E-08	1.749E-08	1.388E-08	1.142E-08	9.650E-09	8.322E-09	7.291E-09	
NE	4.657E-08	2.450E-08	1.614E-08	9.480E-09	6.532E-09	4.902E-09	3.881E-09	3.189E-09	2.691E-09	2.318E-09	2.029E-09	
ENE	3.592E-08	1.866E-08	1.218E-08	7.070E-09	4.831E-09	3.603E-09	2.838E-09	2.322E-09	1.952E-09	1.676E-09	1.463E-09	
E	3.739E-08	2.021E-08	1.357E-08	8.167E-09	5.717E-09	4.343E-09	3.474E-09	2.878E-09	2.446E-09	2.121E-09	1.867E-09	
ESE	2.937E-08	1.529E-08	1.000E-08	5.814E-09	3.977E-09	2.968E-09	2.339E-09	1.914E-09	1.610E-09	1.383E-09	1.207E-09	
SE	7.093E-08	3.762E-08	2.492E-08	1.473E-08	1.018E-08	7.662E-09	6.079E-09	5.002E-09	4.227E-09	3.645E-09	3.193E-09	
SSE	2.450E-07	1.303E-07	8.650E-08	5.132E-08	3.558E-08	2.683E-08	2.133E-08	1.758E-08	1.488E-08	1.285E-08	1.128E-08	

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	7.379E-06	1.710E-06	5.357E-07	2.728E-07	1.706E-07	7.651E-08	2.800E-08	1.402E-08	8.987E-09	6.472E-09
SSW	3.780E-06	8.838E-07	7.758E-07	1.401E-07	8.736E-08	3.913E-08	1.618E-08	7.053E-09	4.502E-09	3.232E-09
SW	1.537E-06	3.591E-07	1.121E-07	5.705E-08	3.564E-08	1.595E-08	5.820E-09	2.905E-09	1.859E-09	1.336E-09
WSW	1.423E-06	3.353E-07	1.035E-07	5.229E-08	3.248E-08	1.448E-08	5.177E-09	2.568E-09	1.637E-09	1.174E-09
W	1.227E-06	2.882E-07	9.136E-08	4.686E-08	2.943E-08	1.329E-08	4.910E-09	2.474E-09	1.592E-09	1.150E-09
WNV	1.531E-06	3.557E-07	1.087E-07	5.460E-08	3.379E-08	1.488E-08	5.300E-09	2.612E-09	1.660E-09	1.188E-09
NW	4.842E-06	1.142E-06	3.534E-07	1.787E-07	1.111E-07	4.930E-08	1.771E-08	8.721E-09	5.530E-09	3.948E-09
NNW	1.148E-05	2.740E-06	8.697E-07	4.460E-07	2.801E-07	1.265E-07	4.670E-08	2.350E-08	1.510E-08	1.089E-08
N	9.741E-06	2.339E-06	7.501E-07	3.869E-07	2.440E-07	1.109E-07	4.137E-08	2.099E-08	1.356E-08	9.814E-09
NNE	7.628E-06	1.830E-06	5.956E-07	3.099E-07	1.966E-07	9.025E-08	3.423E-08	1.759E-08	1.145E-08	8.334E-09
NE	2.245E-06	5.369E-07	1.726E-07	8.921E-08	5.633E-08	2.569E-08	9.650E-09	4.928E-09	3.197E-09	2.322E-09
ENE	1.843E-06	4.372E-07	1.370E-07	6.978E-08	4.363E-08	1.962E-08	7.211E-09	3.625E-09	2.329E-09	1.679E-09
E	1.662E-06	3.902E-07	1.315E-07	6.976E-08	4.486E-08	2.107E-08	8.278E-09	4.362E-09	2.884E-09	2.123E-09
ESE	1.480E-06	3.544E-07	1.115E-07	5.693E-08	3.565E-08	1.607E-08	5.928E-09	2.985E-09	1.920E-09	1.385E-09
SE	3.217E-06	7.852E-07	2.577E-07	1.346E-07	8.556E-08	3.938E-08	1.498E-08	7.702E-09	5.014E-09	3.650E-09
SSE	1.142E-05	2.707E-06	8.879E-07	4.640E-07	2.953E-07	1.363E-07	5.214E-08	2.696E-08	1.762E-08	1.287E-08

VENTS GROUND LEVEL RELEASES - JUL-SEP 1995
2.260 DAY DECAY, UNDEPLETED
CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
SE/FOR											
S	4.229E-05	1.409E-05	7.530E-06	3.767E-06	1.505E-06	8.112E-07	5.123E-07	3.564E-07	2.646E-07	2.050E-07	1.657E-07
SSW	2.163E-05	7.226E-06	3.886E-06	1.950E-06	7.773E-07	4.182E-07	2.637E-07	1.832E-07	1.359E-07	1.056E-07	8.492E-08
SW	8.561E-06	2.932E-06	1.583E-06	7.922E-07	3.154E-07	1.698E-07	1.071E-07	7.445E-08	5.524E-08	4.294E-08	3.455E-08
WSW	8.200E-06	2.692E-06	1.470E-06	7.433E-07	2.942E-07	1.575E-07	9.896E-08	6.856E-08	5.072E-08	3.932E-08	3.158E-08
W	7.167E-06	2.353E-06	1.259E-06	6.320E-07	2.545E-07	1.380E-07	8.756E-08	6.115E-08	4.555E-08	3.553E-08	2.868E-08
WNW	8.761E-06	2.918E-06	1.580E-06	7.928E-07	3.117E-07	1.662E-07	1.041E-07	7.192E-08	5.311E-08	4.112E-08	3.297E-08
NW	2.650E-05	9.147E-06	5.021E-06	2.533E-06	1.005E-06	5.390E-07	3.391E-07	2.353E-07	1.743E-07	1.353E-07	1.087E-07
NNW	6.676E-05	2.177E-05	1.184E-05	6.000E-06	2.420E-06	1.313E-06	8.329E-07	5.815E-07	4.330E-07	3.376E-07	2.724E-07
N	5.764E-05	1.845E-05	1.004E-05	5.102E-06	2.072E-06	1.130E-06	7.197E-07	5.041E-07	3.744E-07	2.942E-07	2.379E-07
NNE	4.670E-05	1.457E-05	7.813E-06	3.960E-06	1.625E-06	8.918E-07	5.708E-07	4.014E-07	3.007E-07	2.356E-07	1.910E-07
NE	1.365E-05	4.275E-06	2.304E-06	1.169E-06	4.753E-07	2.594E-07	1.653E-07	1.158E-07	8.653E-08	6.764E-08	5.471E-08
ENE	1.085E-05	3.490E-06	1.901E-06	9.633E-07	3.848E-07	2.075E-07	1.310E-07	9.119E-08	6.772E-08	5.268E-08	4.242E-08
E	1.102E-05	3.290E-06	1.669E-06	8.305E-07	3.491E-07	1.948E-07	1.263E-07	8.966E-08	6.771E-08	5.343E-08	4.356E-08
ESE	8.814E-06	2.768E-06	1.528E-06	7.792E-07	3.121E-07	1.686E-07	1.066E-07	7.426E-08	5.510E-08	4.295E-08	3.460E-08
SE	1.984E-05	6.083E-06	3.304E-06	1.691E-06	6.983E-07	3.847E-07	2.468E-07	1.739E-07	1.304E-07	1.023E-07	8.299E-08
SSE	7.059E-05	2.210E-05	1.162E-05	5.836E-06	2.406E-06	1.325E-06	8.507E-07	5.995E-07	4.499E-07	3.531E-07	2.865E-07

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
BEARING											
S	1.371E-07	7.015E-08	4.518E-08	2.552E-08	1.698E-08	1.234E-08	9.479E-09	7.563E-09	6.203E-09	5.97E-09	4.426E-09
SSW	7.019E-08	3.581E-08	2.301E-08	1.296E-08	8.602E-09	6.241E-09	4.789E-09	3.818E-09	3.131E-09	2.622E-09	2.233E-09
SW	2.857E-08	1.458E-08	9.371E-09	5.273E-09	3.497E-09	2.533E-09	1.940E-09	1.543E-09	1.262E-09	1.054E-09	8.956E-10
WSW	2.605E-08	1.319E-08	8.433E-09	4.725E-09	3.136E-09	2.275E-09	1.746E-09	1.392E-09	1.141E-09	9.561E-10	8.145E-10
W	2.377E-08	1.225E-08	7.936E-09	4.520E-09	3.026E-09	2.211E-09	1.707E-09	1.368E-09	1.127E-09	9.480E-10	8.107E-10
WNW	2.717E-08	1.371E-08	8.748E-09	4.896E-09	3.253E-09	2.364E-09	1.818E-09	1.453E-09	1.194E-09	1.003E-09	8.573E-10
NW	6.982E-08	4.573E-08	2.938E-08	1.657E-08	1.104E-08	8.042E-09	6.200E-09	4.969E-09	4.097E-09	3.452E-09	2.958E-09
NNW	2.258E-07	1.164E-07	7.529E-08	4.279E-08	2.859E-08	2.085E-08	1.606E-08	1.285E-08	1.056E-08	8.869E-09	7.572E-09
N	1.975E-07	1.025E-07	6.670E-08	3.823E-08	2.573E-08	1.887E-08	1.461E-08	1.175E-08	9.704E-09	8.184E-09	7.016E-09
NNE	1.589E-07	8.307E-08	5.428E-08	3.127E-08	2.109E-08	1.548E-08	1.199E-08	9.631E-09	7.946E-09	6.691E-09	5.726E-09
NE	4.544E-08	2.361E-08	1.536E-08	8.801E-09	5.917E-09	4.333E-09	3.348E-09	2.685E-09	2.212E-09	1.860E-09	1.589E-09
ENE	3.512E-08	1.803E-08	1.164E-08	6.606E-09	4.414E-09	3.220E-09	2.481E-09	1.986E-09	1.634E-09	1.373E-09	1.173E-09
E	3.644E-08	1.944E-08	1.288E-08	7.553E-09	5.150E-09	3.811E-09	2.969E-09	2.396E-09	1.984E-09	1.676E-09	1.437E-09
ESE	2.866E-08	1.473E-08	9.518E-09	5.397E-09	3.602E-09	2.623E-09	2.018E-09	1.612E-09	1.324E-09	1.110E-09	9.465E-10
SE	6.909E-08	3.616E-08	2.364E-08	1.361E-08	9.168E-09	6.720E-09	5.195E-09	4.166E-09	3.431E-09	2.884E-09	2.464E-09
SSE	2.587E-07	1.253E-07	8.207E-08	4.742E-08	3.201E-08	2.351E-08	1.820E-08	1.462E-08	1.205E-08	1.014E-08	8.663E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	7.315E-06	1.699E-06	5.296E-07	2.684E-07	1.670E-07	7.392E-08	2.609E-08	1.243E-08	7.592E-09	5.210E-09
SSW	3.768E-06	8.784E-07	2.727E-07	1.379E-07	8.559E-08	3.776E-08	1.326E-08	6.290E-09	3.834E-09	2.629E-09
SW	1.531E-06	3.566E-07	1.108E-07	5.604E-08	3.482E-08	1.537E-08	5.394E-09	2.553E-09	1.549E-09	1.057E-09
WSW	1.419E-06	3.333E-07	1.024E-07	5.147E-08	3.183E-08	1.373E-08	4.843E-09	2.293E-09	1.398E-09	9.586E-10
W	1.224E-06	2.866E-07	9.045E-08	4.619E-08	2.889E-08	1.289E-08	4.615E-09	2.227E-09	1.373E-09	9.501E-10
WNW	1.527E-06	3.539E-07	1.078E-07	5.392E-08	3.324E-08	1.450E-08	5.022E-09	2.382E-09	1.459E-09	1.006E-09
NW	4.832E-06	1.137E-06	3.509E-07	1.768E-07	1.096E-07	4.826E-08	1.696E-08	8.103E-09	4.989E-09	3.460E-09
NNW	1.145E-05	2.723E-06	8.603E-07	4.391E-07	2.745E-07	1.224E-07	4.370E-08	2.100E-08	1.289E-08	8.890E-09
N	9.714E-06	2.327E-06	7.428E-07	3.816E-07	2.396E-07	1.077E-07	3.900E-08	1.900E-08	1.179E-08	8.202E-09
NNE	7.603E-06	1.818E-06	5.886E-07	3.047E-07	1.923E-07	8.712E-08	3.186E-08	1.558E-08	9.663E-09	6.706E-09
NE	2.237E-06	5.334E-07	1.706E-07	8.771E-08	5.511E-08	2.480E-08	8.977E-09	4.361E-09	2.694E-09	1.864E-09
ENE	1.837E-06	4.346E-07	1.355E-07	6.870E-08	4.276E-08	1.899E-08	6.751E-09	3.243E-09	1.993E-09	1.376E-09
E	1.657E-06	3.875E-07	1.299E-07	6.854E-08	4.384E-08	2.030E-08	7.668E-09	3.831E-09	2.403E-09	1.679E-09
ESE	1.475E-06	3.521E-07	1.102E-07	5.597E-08	3.487E-08	1.551E-08	5.515E-09	2.642E-09	1.618E-09	1.113E-09
SE	3.205E-06	7.796E-07	2.544E-07	1.321E-07	8.356E-08	3.791E-08	1.387E-08	6.763E-09	4.180E-09	2.891E-09
SSE	1.138E-05	2.688E-06	8.768E-07	4.557E-07	2.885E-07	1.313E-07	4.827E-08	2.366E-08	1.466E-08	1.016E-08

B260

VENTS GROUND LEVEL RELEASES - JUL-SEP 1995
 8.000 DAY DECAY, DEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)				DISTANCE IN MILES							
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	
S	4.006E-05	1.289E-05	6.727E-06	3.309E-06	1.284E-06	6.762E-07	4.185E-07	2.860E-07	2.089E-07	1.601E-07	1.272E-07	
SSW	2.049E-05	6.610E-06	3.471E-06	1.713E-06	6.633E-07	3.486E-07	2.154E-07	1.470E-07	1.073E-07	8.212E-08	6.517E-08	
SW	8.109E-06	2.682E-06	1.414E-06	6.959E-07	2.694E-07	1.416E-07	8.755E-08	5.979E-08	4.367E-08	3.345E-08	2.656E-08	
WSW	7.767E-06	2.462E-06	1.313E-06	6.528E-07	2.510E-07	1.313E-07	8.081E-08	5.499E-08	4.003E-08	3.058E-08	2.423E-08	
W	6.788E-06	2.152E-06	1.125E-06	5.549E-07	2.171E-07	1.150E-07	7.145E-08	4.901E-08	3.592E-08	2.760E-08	2.197E-08	
WNW	8.297E-06	2.668E-06	1.410E-06	6.958E-07	2.657E-07	1.383E-07	8.485E-08	5.758E-08	4.183E-08	3.190E-08	2.523E-08	
NW	2.509E-05	8.362E-06	4.482E-06	2.222E-06	8.559E-07	4.482E-07	2.762E-07	1.881E-07	1.378E-07	1.047E-07	8.301E-08	
NNW	6.324E-05	1.991E-05	1.057E-05	5.268E-06	2.865E-06	1.094E-06	6.801E-07	4.664E-07	3.417E-07	2.626E-07	2.090E-07	
N	5.459E-05	1.687E-05	8.964E-06	4.479E-06	1.767E-06	9.410E-07	5.871E-07	4.039E-07	2.967E-07	2.284E-07	1.822E-07	
NNE	4.424E-05	1.333E-05	6.980E-06	3.478E-06	1.387E-06	7.436E-07	4.664E-07	3.222E-07	2.375E-07	1.834E-07	1.467E-07	
NE	1.293E-05	3.910E-06	2.058E-06	1.027E-06	4.858E-07	2.163E-07	1.351E-07	9.298E-08	6.835E-08	5.266E-08	4.203E-08	
ENE	1.027E-05	3.192E-06	1.698E-06	8.459E-07	3.284E-07	1.729E-07	1.070E-07	7.314E-08	5.344E-08	4.097E-08	3.255E-08	
E	1.044E-05	3.010E-06	1.492E-06	7.295E-07	2.981E-07	1.625E-07	1.032E-07	7.200E-08	5.351E-08	4.162E-08	3.348E-08	
ESE	8.349E-06	2.550E-06	1.365E-06	6.844E-07	2.665E-07	1.406E-07	8.712E-08	5.961E-08	4.359E-08	3.344E-08	2.658E-08	
SE	1.880E-05	5.565E-06	2.953E-06	1.486E-06	5.964E-07	3.209E-07	2.018E-07	1.397E-07	1.031E-07	7.973E-08	6.382E-08	
SSE	6.687E-05	2.022E-05	1.039E-05	5.127E-06	2.055E-06	1.106E-06	6.955E-07	4.815E-07	3.556E-07	2.751E-07	2.203E-07	

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)				DISTANCE IN MILES							
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	
S	1.039E-07	5.074E-08	3.142E-08	1.671E-08	1.063E-08	7.446E-09	5.547E-09	4.310E-09	3.454E-09	2.835E-09	2.370E-09	
SSW	5.319E-08	2.588E-08	1.598E-08	8.469E-09	5.368E-09	3.752E-09	2.789E-09	2.164E-09	1.732E-09	1.420E-09	1.186E-09	
SW	2.169E-08	1.057E-08	6.535E-09	3.468E-09	2.201E-09	1.539E-09	1.145E-09	8.882E-10	7.108E-10	5.826E-10	4.865E-10	
WSW	1.974E-08	9.530E-09	5.855E-09	3.086E-09	1.956E-09	1.366E-09	1.015E-09	7.873E-10	6.299E-10	5.161E-10	4.309E-10	
W	1.798E-08	8.836E-09	5.496E-09	2.942E-09	1.878E-09	1.320E-09	9.862E-10	7.682E-10	6.171E-10	5.075E-10	4.251E-10	
WNW	2.052E-08	9.857E-09	6.035E-09	3.169E-09	2.003E-09	1.398E-09	1.038E-09	8.047E-10	6.438E-10	5.275E-10	4.406E-10	
NW	6.767E-08	3.276E-08	2.016E-08	1.064E-08	6.725E-09	4.692E-09	3.484E-09	2.701E-09	2.161E-09	1.771E-09	1.480E-09	
NNW	1.711E-07	8.405E-08	5.225E-08	2.794E-08	1.782E-08	1.251E-08	9.334E-09	7.263E-09	5.828E-09	4.787E-09	4.006E-09	
N	1.494E-07	7.385E-08	4.612E-08	2.483E-08	1.592E-08	1.122E-08	8.401E-09	6.556E-09	5.275E-09	4.343E-09	3.643E-09	
NNE	1.205E-07	6.012E-08	3.777E-08	2.050E-08	1.321E-08	9.349E-09	7.020E-09	5.491E-09	4.426E-09	3.650E-09	3.065E-09	
NE	3.447E-08	1.709E-08	1.069E-08	5.772E-09	3.708E-09	2.618E-09	1.962E-09	1.532E-09	1.233E-09	1.016E-09	8.522E-10	
ENE	2.660E-08	1.303E-08	8.081E-09	4.312E-09	2.750E-09	1.930E-09	1.440E-09	1.121E-09	8.993E-10	7.388E-10	6.183E-10	
E	2.767E-08	1.409E-08	8.981E-09	4.967E-09	3.241E-09	2.316E-09	1.752E-09	1.379E-09	1.117E-09	9.259E-10	7.807E-10	
ESE	2.174E-08	1.067E-08	6.626E-09	3.540E-09	2.258E-09	1.585E-09	1.182E-09	9.198E-10	7.379E-10	6.060E-10	5.069E-10	
SE	5.248E-08	2.623E-08	1.649E-08	8.957E-09	5.772E-09	4.084E-09	3.065E-09	2.396E-09	1.930E-09	1.591E-09	1.335E-09	
SSE	1.813E-07	9.083E-08	5.725E-08	3.120E-08	2.016E-08	1.430E-08	1.075E-08	8.422E-09	6.795E-09	5.608E-09	4.712E-09	

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.577E-06	1.464E-06	4.342E-07	2.124E-07	1.283E-07	5.397E-08	1.728E-08	7.535E-09	4.337E-09	2.846E-09
SSW	3.387E-06	7.567E-07	2.235E-07	1.090E-07	6.576E-08	2.755E-08	8.760E-09	3.798E-09	2.178E-09	1.425E-09
SW	1.377E-06	3.074E-07	9.087E-08	4.438E-08	2.680E-08	1.125E-08	3.587E-09	1.558E-09	8.939E-10	5.850E-10
WSW	1.275E-06	2.871E-07	8.394E-08	4.070E-08	2.445E-08	1.016E-08	3.199E-09	1.383E-09	7.924E-10	5.183E-10
W	1.100E-06	2.468E-07	7.408E-08	3.649E-08	2.216E-08	9.384E-09	3.037E-09	1.335E-09	7.729E-10	5.095E-10
WNW	1.372E-06	3.047E-07	8.820E-08	4.255E-08	2.546E-08	1.053E-08	3.288E-09	1.415E-09	8.101E-10	5.298E-10
NW	4.340E-06	9.783E-07	2.868E-07	1.393E-07	8.377E-08	3.492E-08	1.102E-08	4.751E-09	2.719E-09	1.779E-09
NNW	1.829E-05	2.345E-06	7.050E-07	3.472E-07	2.108E-07	8.925E-08	2.885E-08	1.266E-08	7.308E-09	4.806E-09
N	8.728E-06	2.803E-06	6.082E-07	3.013E-07	1.837E-07	7.831E-08	2.560E-08	1.134E-08	6.595E-09	4.360E-09
NNE	6.835E-06	1.566E-06	4.826E-07	2.411E-07	1.479E-07	6.361E-08	2.110E-08	9.447E-09	5.522E-09	3.663E-09
NE	2.011E-06	4.595E-07	1.399E-07	6.941E-08	4.238E-08	1.811E-08	5.948E-09	2.647E-09	1.541E-09	1.020E-09
ENE	1.651E-06	3.743E-07	1.110E-07	5.432E-08	3.284E-08	1.385E-08	4.455E-09	1.953E-09	1.128E-09	7.417E-10
E	1.490E-06	3.337E-07	1.065E-07	5.426E-08	3.374E-08	1.484E-08	5.092E-09	2.337E-09	1.386E-09	9.289E-10
ESE	1.326E-06	3.034E-07	9.037E-08	4.430E-08	2.682E-08	1.133E-08	3.656E-09	1.603E-09	9.255E-10	6.084E-10
SE	2.881E-06	6.717E-07	2.087E-07	1.047E-07	6.434E-08	2.774E-08	9.216E-09	4.127E-09	2.410E-09	1.597E-09
SSE	1.023E-05	2.316E-06	7.193E-07	3.609E-07	2.221E-07	9.600E-08	3.209E-08	1.444E-08	8.468E-09	5.628E-09

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VENTS GROUND LEVEL RELEASES - JUL-SEP 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION

***** RELATIVE DEPOSITION PER UNIT AREA (M**2) AT FIXED POINTS BY DOWNWIND SECTORS *****											
DIRECTION FROM SITE	DISTANCES IN MILES										
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
S	1.654E-07	5.592E-08	2.871E-08	1.365E-08	4.903E-09	2.431E-09	1.432E-09	9.374E-10	6.596E-10	4.888E-10	3.767E-10
SSW	7.885E-08	2.666E-08	1.369E-08	6.508E-09	2.338E-09	1.159E-09	6.826E-10	4.470E-10	3.145E-10	2.331E-10	1.796E-10
SW	3.175E-08	1.074E-08	5.512E-09	2.621E-09	9.414E-10	4.668E-10	2.749E-10	1.800E-10	1.267E-10	9.386E-11	7.233E-11
WSW	3.395E-08	1.148E-08	5.895E-09	2.803E-09	1.007E-09	4.993E-10	2.940E-10	1.925E-10	1.354E-10	1.004E-10	7.735E-11
W	3.941E-08	1.333E-08	6.843E-09	3.253E-09	1.169E-09	5.795E-10	3.412E-10	2.234E-10	1.572E-10	1.165E-10	8.979E-11
WNW	5.255E-08	1.777E-08	9.125E-09	4.338E-09	1.558E-09	7.727E-10	4.550E-10	2.979E-10	2.096E-10	1.554E-10	1.197E-10
NW	1.642E-07	5.553E-08	2.851E-08	1.355E-08	4.869E-09	2.414E-09	1.422E-09	9.309E-10	6.550E-10	4.854E-10	3.741E-10
NNW	2.618E-07	8.853E-08	4.545E-08	2.161E-08	7.762E-09	3.849E-09	2.267E-09	1.484E-09	1.044E-09	7.739E-10	5.964E-10
N	2.694E-07	9.110E-08	4.677E-08	2.224E-08	7.987E-09	3.961E-09	2.332E-09	1.527E-09	1.075E-09	7.964E-10	6.137E-10
NNE	1.479E-07	5.002E-08	2.568E-08	1.221E-08	4.386E-09	2.175E-09	1.281E-09	8.385E-10	5.900E-10	4.373E-10	3.370E-10
NE	4.930E-08	1.667E-08	8.560E-09	4.070E-09	1.462E-09	7.249E-10	4.268E-10	2.795E-10	1.967E-10	1.457E-10	1.123E-10
ENE	4.820E-08	1.630E-08	8.368E-09	3.979E-09	1.429E-09	7.087E-10	4.175E-10	2.732E-10	1.923E-10	1.435E-10	1.098E-10
E	3.595E-08	1.148E-08	5.895E-09	2.803E-09	1.007E-09	4.993E-10	2.940E-10	1.925E-10	1.354E-10	1.004E-10	7.735E-11
ESE	4.382E-08	1.482E-08	7.608E-09	3.617E-09	1.299E-09	6.443E-10	3.794E-10	2.484E-10	1.748E-10	1.295E-10	9.983E-11
SE	4.935E-08	1.669E-08	8.568E-09	4.073E-09	1.463E-09	7.256E-10	4.273E-10	2.798E-10	1.969E-10	1.459E-10	1.124E-10
SSE	1.939E-07	6.557E-08	3.367E-08	1.601E-08	5.750E-09	2.851E-09	1.679E-09	1.099E-09	7.736E-10	5.733E-10	4.418E-10

***** RELATIVE DEPOSITION PER UNIT AREA (M**2) BY DOWNWIND SECTORS *****											
DIRECTION FROM SITE	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	2.993E-10	1.329E-10	8.053E-11	4.071E-11	2.464E-11	1.652E-11	1.184E-11	8.888E-12	6.910E-12	5.520E-12	4.506E-12
SSW	1.427E-10	6.339E-11	3.840E-11	1.941E-11	1.175E-11	8.077E-12	5.644E-12	4.238E-12	3.295E-12	2.632E-12	2.148E-12
SW	5.746E-11	2.553E-11	1.546E-11	7.816E-12	4.731E-12	3.172E-12	2.273E-12	1.707E-12	1.327E-12	1.060E-12	8.651E-13
WSW	6.145E-11	2.730E-11	1.654E-11	8.359E-12	5.059E-12	3.392E-12	2.430E-12	1.825E-12	1.419E-12	1.134E-12	9.252E-13
W	7.133E-11	3.169E-11	1.919E-11	9.702E-12	5.872E-12	3.937E-12	2.821E-12	2.118E-12	1.647E-12	1.316E-12	1.074E-12
WNW	9.511E-11	4.225E-11	2.560E-11	1.294E-11	7.830E-12	5.250E-12	3.762E-12	2.825E-12	2.196E-12	1.754E-12	1.432E-12
NW	2.972E-10	1.320E-10	7.997E-11	4.042E-11	2.447E-11	1.640E-11	1.175E-11	8.826E-12	6.862E-12	5.482E-12	4.474E-12
NNW	4.738E-10	2.105E-10	1.275E-10	6.444E-11	3.901E-11	2.615E-11	1.874E-11	1.407E-11	1.094E-11	8.740E-12	7.133E-12
N	4.876E-10	2.166E-10	1.312E-10	6.632E-11	4.014E-11	2.691E-11	1.928E-11	1.448E-11	1.126E-11	8.993E-12	7.341E-12
NNE	2.677E-10	1.189E-10	7.204E-11	3.641E-11	2.204E-11	1.478E-11	1.059E-11	7.950E-12	6.181E-12	4.938E-12	4.030E-12
NE	8.923E-11	3.964E-11	2.401E-11	1.214E-11	7.346E-12	4.925E-12	3.529E-12	2.650E-12	2.060E-12	1.646E-12	1.343E-12
ENE	8.723E-11	3.875E-11	2.347E-11	1.187E-11	7.181E-12	4.815E-12	3.450E-12	2.591E-12	2.014E-12	1.609E-12	1.313E-12
E	6.145E-11	2.730E-11	1.654E-11	8.359E-12	5.059E-12	3.392E-12	2.430E-12	1.825E-12	1.419E-12	1.134E-12	9.252E-13
ESE	7.931E-11	3.523E-11	2.134E-11	1.079E-11	6.529E-12	4.378E-12	3.137E-12	2.355E-12	1.831E-12	1.463E-12	1.194E-12
SE	8.931E-11	3.968E-11	2.403E-11	1.215E-11	7.353E-12	4.930E-12	3.532E-12	2.652E-12	2.062E-12	1.647E-12	1.345E-12
SSE	3.510E-10	1.559E-10	9.445E-11	4.774E-11	2.889E-11	1.937E-11	1.388E-11	1.042E-11	8.104E-12	6.474E-12	5.284E-12

***** RELATIVE DEPOSITION PER UNIT AREA (M**2) BY DOWNWIND SECTORS *****											
DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES										
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50	
S	2.886E-08	5.748E-09	1.501E-09	6.739E-10	3.812E-10	1.466E-10	4.241E-11	1.681E-11	8.977E-12	5.556E-12	
SSW	1.338E-08	2.741E-09	7.155E-10	3.213E-10	1.818E-10	6.991E-11	2.022E-11	8.016E-12	4.280E-12	2.649E-12	
SW	5.388E-09	1.104E-09	2.881E-10	1.294E-10	7.320E-11	2.815E-11	8.144E-12	3.228E-12	1.724E-12	1.067E-12	
WSW	5.762E-09	1.180E-09	3.081E-10	1.384E-10	7.829E-11	3.011E-11	8.709E-12	3.452E-12	1.843E-12	1.141E-12	
W	6.888E-09	1.370E-09	3.576E-10	1.606E-10	9.087E-11	3.494E-11	1.011E-11	4.007E-12	2.140E-12	1.324E-12	
WNW	8.919E-09	1.827E-09	4.769E-10	2.142E-10	1.212E-10	4.660E-11	1.348E-11	5.343E-12	2.853E-12	1.766E-12	
NW	2.787E-08	5.708E-09	1.490E-09	6.692E-10	3.786E-10	1.456E-10	4.212E-11	1.669E-11	8.915E-12	5.518E-12	
NNW	4.443E-08	9.100E-09	2.376E-09	1.067E-09	6.036E-10	2.321E-10	6.715E-11	2.661E-11	1.421E-11	8.797E-12	
N	4.572E-08	9.364E-09	2.445E-09	1.098E-09	6.211E-10	2.389E-10	6.910E-11	2.739E-11	1.462E-11	9.052E-12	
NNE	2.510E-08	5.142E-09	1.342E-09	6.028E-10	3.410E-10	1.311E-10	3.794E-11	1.504E-11	8.030E-12	4.970E-12	
NE	8.367E-09	1.714E-09	4.474E-10	2.009E-10	1.137E-10	4.371E-11	1.265E-11	5.012E-12	2.677E-12	1.657E-12	
ENE	8.180E-09	1.675E-09	4.374E-10	1.964E-10	1.111E-10	4.274E-11	1.236E-11	4.900E-12	2.617E-12	1.620E-12	
E	5.762E-09	1.180E-09	3.081E-10	1.384E-10	7.829E-11	3.011E-11	8.709E-12	3.452E-12	1.843E-12	1.141E-12	
ESE	7.437E-09	1.523E-09	3.977E-10	1.786E-10	1.010E-10	3.885E-11	1.124E-11	4.455E-12	2.379E-12	1.472E-12	
SE	8.375E-09	1.715E-09	4.478E-10	2.011E-10	1.130E-10	4.375E-11	1.266E-11	5.017E-12	2.679E-12	1.658E-12	
SSE	3.291E-08	6.741E-09	1.760E-09	7.904E-10	4.471E-10	1.719E-10	4.974E-11	1.971E-11	1.053E-11	6.516E-12	

VENTS GROUND LEVEL RELEASES - JUL-SEP 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q		X/Q		X/Q		D/Q
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)		
			NO DECAY		2.260 DAY DECAY		8.000 DAY DECAY				
				UNDEPLETED	UNDEPLETED	UNDEPLETED	DEPLETED				
A	SITE BOUNDARY	S	0.80	1287.	6.492E-06	6.469E-06	5.758E-06	2.442E-08			
A	SITE BOUNDARY	SSW	0.82	1327.	3.111E-06	3.100E-06	2.754E-06	1.074E-08			
A	SITE BOUNDARY	SW	0.98	1569.	8.444E-07	8.403E-07	7.394E-07	2.797E-09			
A	SITE BOUNDARY	WSW	0.93	1489.	8.964E-07	8.927E-07	7.878E-07	3.425E-09			
A	SITE BOUNDARY	W	0.91	1468.	7.876E-07	7.847E-07	6.929E-07	4.125E-09			
A	SITE BOUNDARY	WNW	0.94	1509.	9.267E-07	9.235E-07	8.138E-07	5.120E-09			
A	SITE BOUNDARY	NW	0.81	1307.	4.175E-06	4.165E-06	3.701E-06	2.328E-08			
A	SITE BOUNDARY	NNW	0.69	1106.	1.351E-05	1.347E-05	1.209E-05	5.264E-08			
A	SITE BOUNDARY	N	0.67	1086.	1.176E-05	1.173E-05	1.053E-05	5.585E-08			
A	SITE BOUNDARY	NNE	0.60	965.	1.099E-05	1.096E-05	9.916E-06	3.716E-08			
A	SITE BOUNDARY	NE	0.62	1005.	3.034E-06	3.025E-06	2.728E-06	1.164E-08			
A	SITE BOUNDARY	ENE	0.59	945.	2.729E-06	2.722E-06	2.465E-06	1.253E-08			
A	SITE BOUNDARY	E	0.53	845.	3.027E-06	3.019E-06	2.754E-06	1.060E-08			
A	SITE BOUNDARY	ESE	0.54	865.	2.476E-06	2.470E-06	2.249E-06	1.317E-08			
A	SITE BOUNDARY	SE	0.65	1046.	4.083E-06	4.070E-06	3.664E-06	1.090E-08			
A	SITE BOUNDARY	SSE	0.81	1307.	9.651E-06	9.611E-06	8.550E-06	2.750E-08			
A	NEAR. RESIDENCE	SW	1.30	2092.	4.366E-07	4.337E-07	3.743E-07	1.344E-09			
A	NEAR. RESIDENCE	WSW	1.30	2092.	4.078E-07	4.054E-07	3.497E-07	1.438E-09			
A	NEAR. RESIDENCE	W	1.00	1609.	6.346E-07	6.320E-07	5.549E-07	3.253E-09			
A	NEAR. RESIDENCE	WNW	1.60	2575.	2.716E-07	2.701E-07	2.291E-07	1.329E-09			
A	NEAR. RESIDENCE	NW	0.90	1448.	3.261E-06	3.253E-06	2.872E-06	1.781E-08			
A	NEAR. RESIDENCE	NNW	1.90	3058.	1.473E-06	1.461E-06	1.223E-06	4.356E-09			
A	NEAR. RESIDENCE	N	3.00	4828.	5.102E-07	5.041E-07	4.039E-07	1.527E-09			
A	NEAR. RESIDENCE	NNE	2.70	4345.	4.979E-07	4.914E-07	3.986E-07	1.070E-09			
A	NEAR. RESIDENCE	ENE	1.70	2736.	2.954E-07	2.932E-07	2.477E-07	1.051E-09			
A	NEAR. RESIDENCE	E	1.80	2897.	2.427E-07	2.405E-07	2.024E-07	6.440E-10			
A	NEAR. RESIDENCE	ESE	2.40	3863.	1.171E-07	1.158E-07	9.496E-08	4.175E-10			
A	NEAREST COW	NNW	3.50	5633.	4.398E-07	4.330E-07	3.417E-07	1.044E-09			
A	NEAREST GARDEN	SW	1.30	2092.	4.366E-07	4.337E-07	3.743E-07	1.344E-09			
A	NEAREST GARDEN	WSW	1.80	2897.	1.990E-07	1.974E-07	1.660E-07	6.440E-10			
A	NEAREST GARDEN	WNW	1.60	2575.	2.716E-07	2.701E-07	2.291E-07	1.329E-09			
A	NEAREST GARDEN	NW	2.80	4506.	2.721E-07	2.698E-07	2.173E-07	1.092E-09			
A	NEAREST GARDEN	NNW	1.90	3058.	1.473E-06	1.461E-06	1.223E-06	4.356E-09			
A	NEAREST GARDEN	N	3.00	4828.	5.102E-07	5.041E-07	4.039E-07	1.527E-09			
A	NEAREST GARDEN	ENE	1.70	2736.	2.954E-07	2.932E-07	2.477E-07	1.051E-09			
A	NEAREST GARDEN	E	1.80	2897.	2.427E-07	2.405E-07	2.024E-07	6.440E-10			
A	NEAREST GARDEN	ESE	2.40	3863.	1.171E-07	1.158E-07	9.496E-08	4.175E-10			

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Atmospheric Diffusion Estimates

Ground Level Releases

October-December 1995

VENTS GROUND LEVEL RELEASES - OCT-DEC 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)			DISTANCE IN MILES									
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500		
S	3.873E-05	1.255E-05	6.587E-06	3.290E-06	1.345E-06	7.370E-07	4.715E-07	3.316E-07	2.485E-07	1.949E-07	1.582E-07		
SSW	2.384E-05	7.487E-06	4.014E-06	2.036E-06	8.325E-07	4.561E-07	2.916E-07	2.050E-07	1.535E-07	1.203E-07	9.759E-08		
SW	1.003E-05	3.269E-06	1.736E-06	8.700E-07	3.518E-07	1.914E-07	1.217E-07	8.522E-08	6.363E-08	4.974E-08	4.024E-08		
WSW	1.039E-05	3.443E-06	1.831E-06	9.165E-07	3.681E-07	1.993E-07	1.263E-07	8.812E-08	6.561E-08	5.117E-08	4.131E-08		
W	1.331E-05	4.452E-06	2.352E-06	1.172E-06	4.714E-07	2.555E-07	1.620E-07	1.132E-07	8.434E-08	6.582E-08	5.317E-08		
WNW	1.341E-05	4.511E-06	2.389E-06	1.187E-06	4.703E-07	2.523E-07	1.588E-07	1.103E-07	8.180E-08	6.359E-08	5.119E-08		
NW	4.125E-05	1.324E-05	6.934E-06	3.461E-06	1.412E-06	7.735E-07	4.947E-07	3.478E-07	2.607E-07	2.044E-07	1.659E-07		
NNW	7.351E-05	2.345E-05	1.248E-05	6.292E-06	2.592E-06	1.428E-06	9.167E-07	6.466E-07	4.857E-07	3.817E-07	3.102E-07		
N	7.187E-05	2.229E-05	1.186E-05	6.007E-06	2.493E-06	1.380E-06	8.893E-07	6.291E-07	4.737E-07	3.730E-07	3.036E-07		
NNE	3.054E-05	9.710E-06	5.077E-06	2.534E-06	1.036E-06	5.679E-07	3.635E-07	2.559E-07	1.919E-07	1.506E-07	1.223E-07		
NE	1.795E-05	5.729E-06	3.027E-06	1.521E-06	6.237E-07	3.426E-07	2.195E-07	1.545E-07	1.159E-07	9.100E-08	7.388E-08		
ENE	1.485E-05	4.889E-06	2.682E-06	1.364E-06	5.495E-07	2.980E-07	1.890E-07	1.320E-07	9.836E-08	7.675E-08	6.199E-08		
E	1.240E-05	4.352E-06	2.369E-06	1.187E-06	4.641E-07	2.467E-07	1.542E-07	1.064E-07	7.847E-08	6.071E-08	4.866E-08		
ESE	2.347E-05	8.135E-06	4.397E-06	2.201E-06	8.717E-07	4.675E-07	2.942E-07	2.042E-07	1.514E-07	1.176E-07	9.463E-08		
SE	3.297E-05	1.122E-05	6.028E-06	3.017E-06	1.200E-06	6.456E-07	4.072E-07	2.831E-07	2.102E-07	1.635E-07	1.317E-07		
SSE	4.200E-05	1.369E-05	7.272E-06	3.647E-06	1.474E-06	8.013E-07	5.095E-07	3.566E-07	2.661E-07	2.080E-07	1.682E-07		

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)			DISTANCE IN MILES									
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000		
S	1.317E-07	6.935E-08	4.575E-08	2.688E-08	1.852E-08	1.390E-08	1.101E-08	9.049E-09	7.640E-09	6.584E-09	5.766E-09		
SSW	8.125E-08	4.271E-08	2.812E-08	1.649E-08	1.134E-08	8.496E-09	6.720E-09	5.516E-09	4.651E-09	4.004E-09	3.503E-09		
SW	3.343E-08	1.742E-08	1.141E-08	6.645E-09	4.550E-09	3.399E-09	2.682E-09	2.198E-09	1.850E-09	1.591E-09	1.390E-09		
WSW	3.425E-08	1.773E-08	1.155E-08	6.677E-09	4.549E-09	3.385E-09	2.663E-09	2.176E-09	1.828E-09	1.569E-09	1.368E-09		
W	4.412E-08	2.289E-08	1.494E-08	8.662E-09	5.908E-09	4.401E-09	3.465E-09	2.833E-09	2.382E-09	2.045E-09	1.785E-09		
WNW	4.236E-08	2.180E-08	1.415E-08	8.146E-09	5.539E-09	4.116E-09	3.234E-09	2.640E-09	2.216E-09	1.900E-09	1.657E-09		
NW	1.382E-07	7.286E-08	4.809E-08	2.832E-08	1.954E-08	1.469E-08	1.165E-08	9.581E-09	8.096E-09	6.981E-09	6.117E-09		
NNW	2.588E-07	1.370E-07	9.861E-08	5.348E-08	3.692E-08	2.776E-08	2.201E-08	1.811E-08	1.530E-08	1.319E-08	1.155E-08		
N	2.537E-07	1.350E-07	8.970E-08	5.323E-08	3.690E-08	2.782E-08	2.211E-08	1.822E-08	1.542E-08	1.331E-08	1.168E-08		
NNE	1.019E-07	5.387E-08	3.562E-08	2.103E-08	1.454E-08	1.095E-08	8.692E-09	7.158E-09	6.054E-09	5.224E-09	4.581E-09		
NE	6.157E-08	3.248E-08	2.145E-08	1.262E-08	8.704E-09	6.536E-09	5.179E-09	4.258E-09	3.596E-09	3.099E-09	2.714E-09		
ENE	5.142E-08	2.666E-08	1.738E-08	1.005E-08	6.839E-09	5.084E-09	3.995E-09	3.260E-09	2.736E-09	2.345E-09	2.044E-09		
E	4.012E-08	2.032E-08	1.304E-08	7.372E-09	4.944E-09	3.633E-09	2.828E-09	2.290E-09	1.909E-09	1.627E-09	1.410E-09		
ESE	7.825E-08	4.008E-08	2.592E-08	1.483E-08	1.003E-08	7.426E-09	5.813E-09	4.731E-09	3.960E-09	3.387E-09	2.946E-09		
SE	1.090E-07	5.606E-08	3.636E-08	2.089E-08	1.417E-08	1.051E-08	8.245E-09	6.721E-09	5.634E-09	4.825E-09	4.202E-09		
SSE	1.398E-07	7.289E-08	4.775E-08	2.781E-08	1.904E-08	1.422E-08	1.122E-08	9.190E-09	7.737E-09	6.650E-09	5.811E-09		

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	0-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.446E-06	1.507E-06	4.863E-07	2.519E-07	1.593E-07	7.272E-08	2.735E-08	1.398E-08	9.073E-09	6.594E-09
SSW	3.986E-06	9.326E-07	3.008E-07	1.556E-07	9.828E-08	4.479E-08	1.679E-08	8.543E-09	5.530E-09	4.010E-09
SW	1.692E-06	3.956E-07	1.257E-07	6.451E-08	4.053E-08	1.831E-08	6.772E-09	3.419E-09	2.204E-09	1.593E-09
WSW	1.783E-06	4.150E-07	1.305E-07	6.654E-08	4.162E-08	1.865E-08	6.814E-09	3.407E-09	2.183E-09	1.571E-09
W	2.294E-06	5.312E-07	1.674E-07	8.552E-08	5.357E-08	2.408E-08	8.834E-09	4.428E-09	2.842E-09	2.048E-09
WNW	2.327E-06	5.328E-07	1.643E-07	8.309E-08	5.159E-08	2.297E-08	8.322E-09	4.143E-09	2.648E-09	1.904E-09
NW	6.791E-06	1.584E-06	5.103E-07	2.642E-07	1.671E-07	7.637E-08	2.881E-08	1.477E-08	9.606E-09	6.991E-09
NNW	1.217E-05	2.897E-06	9.449E-07	4.921E-07	3.123E-07	1.434E-07	5.437E-08	2.790E-08	1.815E-08	1.321E-08
N	1.158E-05	2.779E-06	9.160E-07	4.797E-07	3.057E-07	1.413E-07	5.407E-08	2.796E-08	1.826E-08	1.333E-08
NNE	4.976E-06	1.161E-06	3.750E-07	1.944E-07	1.231E-07	5.643E-08	2.139E-08	1.100E-08	7.176E-09	5.232E-09
NE	2.958E-06	6.981E-07	2.263E-07	1.175E-07	7.439E-08	3.404E-08	1.284E-08	6.571E-09	4.269E-09	3.104E-09
ENE	2.587E-06	6.188E-07	1.953E-07	9.974E-08	6.245E-08	2.804E-08	1.025E-08	5.116E-09	3.270E-09	2.349E-09
E	2.284E-06	5.280E-07	1.597E-07	7.968E-08	4.907E-08	2.148E-08	7.552E-09	3.661E-09	2.299E-09	1.630E-09
ESE	4.252E-06	9.875E-07	3.044E-07	1.536E-07	9.537E-08	4.276E-08	1.517E-08	7.477E-09	4.747E-09	3.393E-09
SE	5.844E-06	1.357E-06	4.211E-07	2.132E-07	1.327E-07	5.907E-08	2.134E-08	1.058E-08	6.742E-09	4.834E-09
SSE	7.088E-06	1.658E-06	5.261E-07	2.698E-07	1.695E-07	7.658E-08	2.834E-08	1.430E-08	9.216E-09	6.641E-09

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VENTS GROUND LEVEL RELEASES - OCT-DEC 1995
 2.260 DAY DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)									DISTANCE IN MILES												
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	3.868E-05	1.252E-05	6.565E-06	3.275E-06	1.336E-06	7.303E-07	4.661E-07	3.271E-07	2.445E-07	1.913E-07	1.549E-07	2.581E-05	7.468E-06	3.999E-06	2.026E-06	8.262E-07	4.515E-07	2.879E-07	2.019E-07	1.508E-07	1.179E-07	9.535E-08
SSW	1.802E-05	3.262E-06	1.730E-06	8.660E-07	3.493E-07	1.895E-07	1.203E-07	8.399E-08	6.255E-08	4.878E-08	3.936E-08	1.038E-05	3.436E-06	1.825E-06	9.124E-07	3.657E-07	1.975E-07	1.248E-07	8.690E-08	6.455E-08	5.021E-08	4.044E-08
SW	1.330E-05	4.442E-06	2.345E-06	1.167E-06	4.683E-07	2.532E-07	1.602E-07	1.117E-07	8.302E-08	6.464E-08	5.209E-08	1.330E-05	4.442E-06	2.345E-06	1.167E-06	4.683E-07	2.532E-07	1.602E-07	1.117E-07	8.302E-08	6.464E-08	5.209E-08
WSW	1.340E-05	4.503E-06	2.383E-06	1.183E-06	4.675E-07	2.503E-07	1.573E-07	1.090E-07	8.065E-08	6.256E-08	5.025E-08	1.340E-05	4.503E-06	2.383E-06	1.183E-06	4.675E-07	2.503E-07	1.573E-07	1.090E-07	8.065E-08	6.256E-08	5.025E-08
W	4.121E-05	1.321E-05	6.912E-06	3.446E-06	1.403E-06	7.666E-07	4.891E-07	3.431E-07	2.565E-07	2.007E-07	1.625E-07	4.121E-05	1.321E-05	6.912E-06	3.446E-06	1.403E-06	7.666E-07	4.891E-07	3.431E-07	2.565E-07	2.007E-07	1.625E-07
WNW	7.343E-05	2.339E-05	1.243E-05	6.264E-06	2.575E-06	1.415E-06	9.065E-07	6.379E-07	4.781E-07	3.748E-07	3.039E-07	7.343E-05	2.339E-05	1.243E-05	6.264E-06	2.575E-06	1.415E-06	9.065E-07	6.379E-07	4.781E-07	3.748E-07	3.039E-07
NW	7.173E-05	2.224E-05	1.182E-05	5.979E-06	2.476E-06	1.367E-06	8.789E-07	6.202E-07	4.659E-07	3.659E-07	2.972E-07	7.173E-05	2.224E-05	1.182E-05	5.979E-06	2.476E-06	1.367E-06	8.789E-07	6.202E-07	4.659E-07	3.659E-07	2.972E-07
NNW	3.050E-05	9.686E-06	5.059E-06	2.522E-06	1.028E-06	5.623E-07	3.590E-07	2.520E-07	1.885E-07	1.476E-07	1.195E-07	3.050E-05	9.686E-06	5.059E-06	2.522E-06	1.028E-06	5.623E-07	3.590E-07	2.520E-07	1.885E-07	1.476E-07	1.195E-07
N	1.792E-05	5.715E-06	3.016E-06	1.513E-06	6.193E-07	3.393E-07	2.168E-07	1.523E-07	1.140E-07	8.922E-08	7.225E-08	1.792E-05	5.715E-06	3.016E-06	1.513E-06	6.193E-07	3.393E-07	2.168E-07	1.523E-07	1.140E-07	8.922E-08	7.225E-08
NNE	1.483E-05	4.878E-06	2.673E-06	1.358E-06	5.459E-07	2.953E-07	1.869E-07	1.303E-07	9.683E-08	7.538E-08	6.074E-08	1.483E-05	4.878E-06	2.673E-06	1.358E-06	5.459E-07	2.953E-07	1.869E-07	1.303E-07	9.683E-08	7.538E-08	6.074E-08
ENE	1.239E-05	4.346E-06	2.365E-06	1.183E-06	4.621E-07	2.453E-07	1.531E-07	1.055E-07	7.771E-08	6.003E-08	4.805E-08	1.239E-05	4.346E-06	2.365E-06	1.183E-06	4.621E-07	2.453E-07	1.531E-07	1.055E-07	7.771E-08	6.003E-08	4.805E-08
E	2.346E-05	8.123E-06	4.387E-06	2.194E-06	8.677E-07	4.646E-07	2.919E-07	2.023E-07	1.497E-07	1.161E-07	9.326E-08	2.346E-05	8.123E-06	4.387E-06	2.194E-06	8.677E-07	4.646E-07	2.919E-07	2.023E-07	1.497E-07	1.161E-07	9.326E-08
ESE	3.294E-05	1.120E-05	6.012E-06	3.006E-06	1.193E-06	6.407E-07	4.033E-07	2.799E-07	2.074E-07	1.610E-07	1.294E-07	3.294E-05	1.120E-05	6.012E-06	3.006E-06	1.193E-06	6.407E-07	4.033E-07	2.799E-07	2.074E-07	1.610E-07	1.294E-07
SE	4.195E-05	1.366E-05	7.248E-06	3.631E-06	1.464E-06	7.939E-07	5.036E-07	3.516E-07	2.618E-07	2.041E-07	1.647E-07	4.195E-05	1.366E-05	7.248E-06	3.631E-06	1.464E-06	7.939E-07	5.036E-07	3.516E-07	2.618E-07	2.041E-07	1.647E-07
SSE																						

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										DISTANCE IN MILES											
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.287E-07	6.693E-08	4.360E-08	2.501E-08	1.681E-08	1.232E-08	9.523E-09	7.640E-09	6.297E-09	5.298E-09	4.530E-09	1.287E-07	6.693E-08	4.360E-08	2.501E-08	1.681E-08	1.232E-08	9.523E-09	7.640E-09	6.297E-09	5.298E-09	4.530E-09
SSW	7.917E-08	4.107E-08	2.669E-08	1.524E-08	1.020E-08	7.443E-09	5.732E-09	4.582E-09	3.763E-09	3.155E-09	2.688E-09	7.917E-08	4.107E-08	2.669E-08	1.524E-08	1.020E-08	7.443E-09	5.732E-09	4.582E-09	3.763E-09	3.155E-09	2.688E-09
SW	3.262E-08	1.578E-08	1.085E-08	6.157E-09	4.108E-09	2.991E-09	2.300E-09	1.836E-09	1.506E-09	1.262E-09	1.075E-09	3.262E-08	1.578E-08	1.085E-08	6.157E-09	4.108E-09	2.991E-09	2.300E-09	1.836E-09	1.506E-09	1.262E-09	1.075E-09
WSW	3.345E-08	1.710E-08	1.100E-08	6.202E-09	4.120E-09	2.990E-09	2.293E-09	1.827E-09	1.496E-09	1.252E-09	1.065E-09	3.345E-08	1.710E-08	1.100E-08	6.202E-09	4.120E-09	2.990E-09	2.293E-09	1.827E-09	1.496E-09	1.252E-09	1.065E-09
W	4.312E-08	2.211E-08	1.426E-08	8.068E-09	5.371E-09	3.905E-09	3.000E-09	2.395E-09	1.965E-09	1.647E-09	1.403E-09	4.312E-08	2.211E-08	1.426E-08	8.068E-09	5.371E-09	3.905E-09	3.000E-09	2.395E-09	1.965E-09	1.647E-09	1.403E-09
WNW	4.150E-08	2.113E-08	1.357E-08	7.642E-09	5.084E-09	3.697E-09	2.842E-09	2.271E-09	1.865E-09	1.565E-09	1.336E-09	4.150E-08	2.113E-08	1.357E-08	7.642E-09	5.084E-09	3.697E-09	2.842E-09	2.271E-09	1.865E-09	1.565E-09	1.336E-09
NW	1.350E-07	7.033E-08	4.586E-08	2.635E-08	1.775E-08	1.302E-08	1.007E-08	8.090E-09	6.672E-09	5.617E-09	4.806E-09	1.350E-07	7.033E-08	4.586E-08	2.635E-08	1.775E-08	1.302E-08	1.007E-08	8.090E-09	6.672E-09	5.617E-09	4.806E-09
NNW	2.529E-07	1.323E-07	8.652E-08	4.988E-08	3.364E-08	2.470E-08	1.914E-08	1.538E-08	1.270E-08	1.070E-08	9.162E-09	2.529E-07	1.323E-07	8.652E-08	4.988E-08	3.364E-08	2.470E-08	1.914E-08	1.538E-08	1.270E-08	1.070E-08	9.162E-09
N	2.477E-07	1.303E-07	8.546E-08	4.949E-08	3.348E-08	2.463E-08	1.911E-08	1.538E-08	1.270E-08	1.071E-08	9.172E-09	2.477E-07	1.303E-07	8.546E-08	4.949E-08	3.348E-08	2.463E-08	1.911E-08	1.538E-08	1.270E-08	1.071E-08	9.172E-09
NNE	9.936E-08	5.184E-08	3.383E-08	1.946E-08	1.311E-08	9.621E-09	7.445E-09	5.976E-09	4.927E-09	4.146E-09	3.545E-09	9.936E-08	5.184E-08	3.383E-08	1.946E-08	1.311E-08	9.621E-09	7.445E-09	5.976E-09	4.927E-09	4.146E-09	3.545E-09
NE	6.006E-08	3.128E-08	2.039E-08	1.170E-08	7.862E-09	5.755E-09	4.445E-09	3.562E-09	2.933E-09	2.465E-09	2.105E-09	6.006E-08	3.128E-08	2.039E-08	1.170E-08	7.862E-09	5.755E-09	4.445E-09	3.562E-09	2.933E-09	2.465E-09	2.105E-09
ENE	5.028E-08	2.577E-08	1.661E-08	9.389E-09	6.246E-09	4.539E-09	3.487E-09	2.783E-09	2.283E-09	1.914E-09	1.631E-09	5.028E-08	2.577E-08	1.661E-08	9.389E-09	6.246E-09	4.539E-09	3.487E-09	2.783E-09	2.283E-09	1.914E-09	1.631E-09
E	3.956E-08	1.990E-08	1.268E-08	7.069E-09	4.675E-09	3.388E-09	2.602E-09	2.078E-09	1.709E-09	1.437E-09	1.229E-09	3.956E-08	1.990E-08	1.268E-08	7.069E-09	4.675E-09	3.388E-09	2.602E-09	2.078E-09	1.709E-09	1.437E-09	1.229E-09
ESE	7.699E-08	3.911E-08	2.508E-08	1.411E-08	9.381E-09	6.823E-09	5.251E-09	4.201E-09	3.457E-09	2.907E-09	2.486E-09	7.699E-08	3.911E-08	2.508E-08	1.411E-08	9.381E-09	6.823E-09	5.251E-09	4.201E-09	3.457E-09	2.907E-09	2.486E-09
SE	1.069E-07	5.442E-08	3.494E-08	1.966E-08	1.307E-08	9.493E-09	7.294E-09	5.825E-09	4.784E-09	4.014E-09	3.425E-09	1.069E-07	5.442E-08	3.494E-08	1.966E-08	1.307E-08	9.493E-09	7.294E-09	5.825E-09	4.784E-09	4.014E-09	3.425E-09
SSE	1.365E-07	7.030E-08	4.548E-08	2.584E-08	1.725E-08	1.257E-08	9.671E-09	7.728E-09	6.347E-09	5.322E-09	4.537E-09	1.365E-07	7.030E-08	4.548E-08	2.584E-08	1.725E-08	1.257E-08	9.671E-09	7.728E-09	6.347E-09	5.322E-09	4.537E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.426E-06	1.498E-06	4.809E-07	2.478E-07	1.560E-07	7.028E-08	2.550E-08	1.240E-08	7.666E-09	5.309E-09
SSW	3.893E-06	9.262E-07	2.971E-07	1.528E-07	9.604E-08	4.315E-08	1.554E-08	7.494E-09	4.598E-09	3.162E-09
SW	1.686E-06	3.931E-07	1.242E-07	6.343E-08	3.965E-08	1.767E-08	6.289E-09	3.012E-09	1.843E-09	1.265E-09
WSW	1.777E-06	4.124E-07	1.290E-07	6.547E-08	4.075E-08	1.802E-08	6.343E-09	3.012E-09	1.834E-09	1.255E-09
W	2.288E-06	5.280E-07	1.654E-07	8.420E-08	5.249E-08	2.329E-08	8.245E-09	3.934E-09	2.404E-09	1.651E-09
WNW	2.321E-06	5.300E-07	1.628E-07	8.185E-08	5.066E-08	2.230E-08	7.822E-09	3.725E-09	2.280E-09	1.569E-09
NW	6.771E-06	1.574E-06	5.947E-07	2.600E-07	1.636E-07	7.383E-08	2.686E-08	1.310E-08	8.117E-09	5.629E-09
NNW	1.213E-05	3.79E-06	9.347E-07	4.844E-07	3.061E-07	1.388E-07	5.080E-08	2.486E-08	1.543E-08	1.072E-08
N	1.154E-05	3.62E-06	9.056E-07	4.719E-07	2.992E-07	1.364E-07	5.037E-08	2.478E-08	1.542E-08	1.073E-08
NNE	4.960E-06	1.153E-06	3.704E-07	1.911E-07	1.204E-07	5.440E-08	1.983E-08	9.682E-09	5.996E-09	4.155E-09
NE	2.948E-06	6.935E-07	2.237E-07	1.155E-07	7.276E-08	3.284E-08	1.193E-08	5.793E-09	3.575E-09	2.470E-09
ENE	2.579E-06	6.150E-07								

VENTS GROUND LEVEL RELEASES - OCT-DEC 1995
 8.000 DAY DECAY, DEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)				DISTANCE IN MILES									
SECTOR	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500		
S	3.664E-05	1.145E-05	5.865E-06	2.876E-06	1.140E-06	6.087E-07	3.807E-07	2.624E-07	1.930E-07	1.489E-07	1.189E-07		
SSW	2.255E-05	6.832E-06	3.573E-06	1.779E-06	7.055E-07	3.766E-07	2.354E-07	1.621E-07	1.192E-07	9.185E-08	7.330E-08		
SW	9.488E-06	2.983E-06	1.545E-06	7.605E-07	2.982E-07	1.580E-07	9.827E-08	6.741E-08	4.941E-08	3.797E-08	3.023E-08		
WSW	9.834E-06	3.142E-06	1.630E-06	8.012E-07	3.121E-07	1.646E-07	1.020E-07	6.972E-08	5.096E-08	3.907E-08	3.104E-08		
W	1.259E-05	4.063E-06	2.094E-06	1.025E-06	3.996E-07	2.110E-07	1.308E-07	8.956E-08	6.552E-08	5.027E-08	3.997E-08		
WNW	1.269E-05	4.118E-06	2.128E-06	1.038E-06	3.987E-07	2.084E-07	1.283E-07	8.731E-08	6.357E-08	4.859E-08	3.850E-08		
NW	3.903E-05	1.208E-05	6.174E-06	3.026E-06	1.197E-06	6.389E-07	3.994E-07	2.752E-07	2.025E-07	1.561E-07	1.247E-07		
NNW	6.955E-05	2.140E-05	1.111E-05	5.501E-06	2.197E-06	1.179E-06	7.402E-07	5.116E-07	3.773E-07	2.915E-07	2.332E-07		
N	6.799E-05	2.034E-05	1.056E-05	5.251E-06	2.113E-06	1.140E-06	7.180E-07	4.977E-07	3.679E-07	2.848E-07	2.282E-07		
NNE	2.889E-05	8.861E-06	4.520E-06	2.215E-06	8.777E-07	4.689E-07	2.934E-07	2.024E-07	1.490E-07	1.150E-07	9.185E-08		
NE	1.698E-05	5.228E-06	2.695E-06	1.329E-06	5.286E-07	2.829E-07	1.772E-07	1.222E-07	9.002E-08	6.946E-08	5.551E-08		
ENE	1.405E-05	4.462E-06	2.387E-06	1.193E-06	4.658E-07	2.461E-07	1.526E-07	1.045E-07	7.641E-08	5.862E-08	4.660E-08		
E	1.173E-05	3.973E-06	2.110E-06	1.038E-06	3.937E-07	2.039E-07	1.246E-07	8.430E-08	6.106E-08	4.646E-08	3.666E-08		
ESE	2.221E-05	7.425E-06	3.916E-06	1.925E-06	7.394E-07	3.865E-07	2.378E-07	1.618E-07	1.177E-07	8.995E-08	7.125E-08		
SE	3.119E-05	1.024E-05	5.368E-06	2.638E-06	1.018E-06	5.334E-07	3.290E-07	2.242E-07	1.634E-07	1.250E-07	9.908E-08		
SSE	3.974E-05	1.250E-05	6.474E-06	3.188E-06	1.249E-06	6.618E-07	4.114E-07	2.821E-07	2.067E-07	1.588E-07	1.264E-07		

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)				DISTANCE IN MILES									
BEARING	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000		
S	9.755E-08	4.840E-08	3.031E-08	1.637E-08	1.052E-08	7.429E-09	5.569E-09	4.351E-09	3.503E-09	2.887E-09	2.422E-09		
SSW	6.012E-08	2.978E-08	1.862E-08	1.003E-08	6.426E-09	4.527E-09	3.387E-09	2.641E-09	2.123E-09	1.746E-09	1.463E-09		
SW	2.475E-08	1.215E-08	7.557E-09	4.043E-09	2.581E-09	1.813E-09	1.354E-09	1.054E-09	8.458E-10	6.950E-10	5.817E-10		
WSW	2.536E-08	1.237E-08	7.652E-09	4.066E-09	2.583E-09	1.808E-09	1.346E-09	1.045E-09	8.369E-10	6.864E-10	5.736E-10		
W	3.267E-08	1.598E-08	9.908E-09	5.278E-09	3.358E-09	2.353E-09	1.753E-09	1.363E-09	1.093E-09	8.968E-10	7.500E-10		
WNW	3.140E-08	1.523E-08	9.394E-09	4.974E-09	3.156E-09	2.208E-09	1.644E-09	1.276E-09	1.023E-09	8.389E-10	7.014E-10		
NW	1.023E-07	5.085E-08	3.188E-08	1.725E-08	1.110E-08	7.851E-09	5.892E-09	4.607E-09	3.712E-09	3.060E-09	2.569E-09		
NNW	1.916E-07	9.561E-08	6.008E-08	3.260E-08	2.100E-08	1.485E-08	1.115E-08	8.721E-09	7.029E-09	5.796E-09	4.867E-09		
N	1.878E-07	9.423E-08	5.944E-08	3.242E-08	2.096E-08	1.487E-08	1.118E-08	8.760E-09	7.070E-09	5.837E-09	4.906E-09		
NNE	7.543E-08	3.756E-08	2.358E-08	1.279E-08	8.246E-09	5.838E-09	4.385E-09	3.431E-09	2.766E-09	2.282E-09	1.916E-09		
NE	4.557E-08	2.266E-08	1.420E-08	7.682E-09	4.938E-09	3.487E-09	2.614E-09	2.042E-09	1.644E-09	1.354E-09	1.136E-09		
ENE	3.689E-08	1.861E-08	1.153E-08	6.130E-09	3.893E-09	2.724E-09	2.027E-09	1.573E-09	1.260E-09	1.033E-09	8.632E-10		
E	2.978E-08	1.424E-08	8.689E-09	4.530E-09	2.842E-09	1.971E-09	1.457E-09	1.125E-09	8.969E-10	7.330E-10	6.108E-10		
ESE	5.806E-08	2.806E-08	1.725E-08	9.093E-09	5.748E-09	4.010E-09	2.978E-09	2.308E-09	1.846E-09	1.513E-09	1.263E-09		
SE	8.081E-08	3.919E-08	2.415E-08	1.277E-08	8.087E-09	5.649E-09	4.198E-09	3.256E-09	2.606E-09	2.136E-09	1.784E-09		
SSE	1.035E-07	5.086E-08	3.164E-08	1.693E-08	1.081E-08	7.595E-09	5.670E-09	4.414E-09	3.544E-09	2.912E-09	2.438E-09		

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	5.778E-06	1.290E-06	3.942E-07	1.960E-07	1.199E-07	5.128E-08	1.687E-08	7.510E-09	4.376E-09	2.897E-09
SSW	3.500E-06	7.980E-07	2.437E-07	1.210E-07	7.392E-08	3.156E-08	1.034E-08	4.577E-09	2.657E-09	1.753E-09
SW	1.516E-06	3.386E-07	1.019E-07	5.020E-08	3.049E-08	1.291E-08	4.174E-09	1.834E-09	1.060E-09	6.977E-10
WSW	1.598E-06	3.552E-07	1.058E-07	5.179E-08	3.132E-08	1.316E-08	4.204E-09	1.830E-09	1.052E-09	6.892E-10
W	2.057E-06	4.547E-07	1.357E-07	6.658E-08	4.032E-08	1.699E-08	5.453E-09	2.381E-09	1.371E-09	9.004E-10
WNW	2.086E-06	4.563E-07	1.333E-07	6.465E-08	3.886E-08	1.623E-08	5.149E-09	2.235E-09	1.285E-09	8.424E-10
NW	6.087E-06	1.355E-06	4.136E-07	2.056E-07	1.257E-07	5.386E-08	1.777E-08	7.934E-09	4.633E-09	3.071E-09
NNW	1.090E-05	2.479E-06	7.658E-07	3.830E-07	2.351E-07	1.012E-07	3.355E-08	1.501E-08	8.771E-09	5.817E-09
N	1.037E-05	2.378E-06	7.423E-07	3.733E-07	2.300E-07	9.956E-08	3.333E-08	1.502E-08	8.809E-09	5.857E-09
NNE	4.460E-06	9.932E-07	3.038E-07	1.513E-07	9.261E-08	3.976E-08	1.317E-08	5.899E-09	3.450E-09	2.290E-09
NE	2.651E-06	5.973E-07	1.834E-07	9.140E-08	5.596E-08	2.399E-08	7.911E-09	3.525E-09	2.054E-09	1.359E-09
ENE	2.317E-06	5.297E-07	1.583E-07	7.765E-08	4.701E-08	1.979E-08	6.335E-09	2.757E-09	1.583E-09	1.037E-09
E	2.048E-06	4.525E-07	1.296E-07	6.214E-08	3.702E-08	1.523E-08	4.704E-09	1.997E-09	1.133E-09	7.363E-10
ESE	3.811E-06	8.460E-07	2.470E-07	1.197E-07	7.191E-08	2.992E-08	9.420E-09	4.061E-09	2.323E-09	1.519E-09
SE	5.238E-06	1.162E-06	3.416E-07	1.661E-07	9.998E-08	4.176E-08	1.322E-08	5.718E-09	3.277E-09	2.145E-09
SSE	6.352E-06	1.419E-06	4.264E-07	2.100E-07	1.275E-07	5.401E-08	1.748E-08	7.682E-09	4.442E-09	2.924E-09

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VENTS GROUND LEVEL RELEASES - OCT-DEC 1995

CORRECTED FOR OPEN TERRAIN RECIRCULATION

***** RELATIVE DEPOSITION PER UNIT AREA (M³-2) AT FIXED POINTS BY DOWNWIND SECTORS *****

DIRECTION FROM SITE	RELATIVE DEPOSITION PER UNIT AREA (M ³ -2) AT FIXED POINTS BY DOWNWIND SECTORS										
	DISTANCES IN MILES										
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
S	1.362E-07	4.607E-08	2.365E-08	1.124E-08	4.039E-09	2.003E-09	1.179E-09	7.723E-10	5.434E-10	4.027E-10	3.104E-10
SSW	6.441E-08	2.178E-08	1.118E-08	5.316E-09	1.910E-09	9.470E-10	5.576E-10	3.651E-10	2.569E-10	1.904E-10	1.467E-10
SW	3.484E-08	1.178E-08	6.049E-09	2.876E-09	1.033E-09	5.123E-10	3.016E-10	1.975E-10	1.390E-10	1.030E-10	7.937E-11
WSW	3.695E-08	1.250E-08	6.416E-09	3.050E-09	1.096E-09	5.433E-10	3.199E-10	2.095E-10	1.474E-10	1.092E-10	8.418E-11
W	5.490E-08	1.856E-08	9.532E-09	4.532E-09	1.628E-09	8.072E-10	4.753E-10	3.112E-10	2.190E-10	1.623E-10	1.251E-10
WNW	7.388E-08	2.498E-08	1.283E-08	6.098E-09	2.191E-09	1.086E-09	6.397E-10	4.188E-10	2.947E-10	2.184E-10	1.683E-10
NW	1.742E-07	5.891E-08	3.025E-08	1.438E-08	5.166E-09	2.562E-09	1.508E-09	9.077E-10	6.950E-10	5.151E-10	3.969E-10
NNW	2.481E-07	8.391E-08	4.308E-08	2.048E-08	7.357E-09	3.649E-09	2.148E-09	1.407E-09	9.899E-10	7.336E-10	5.653E-10
N	2.249E-07	7.607E-08	3.906E-08	1.857E-08	6.670E-09	3.308E-09	1.948E-09	1.275E-09	8.973E-10	6.650E-10	5.125E-10
NNE	1.172E-07	3.964E-08	2.035E-08	9.675E-09	3.475E-09	1.724E-09	1.015E-09	6.645E-10	4.676E-10	3.465E-10	2.670E-10
NE	5.703E-08	1.928E-08	9.902E-09	4.707E-09	1.691E-09	8.386E-10	4.938E-10	3.233E-10	2.275E-10	1.686E-10	1.299E-10
ENE	5.488E-08	1.856E-08	9.528E-09	4.530E-09	1.627E-09	8.069E-10	4.751E-10	3.111E-10	2.189E-10	1.622E-10	1.250E-10
E	9.910E-08	3.354E-08	1.722E-08	8.187E-09	2.941E-09	1.458E-09	8.507E-10	5.623E-10	3.957E-10	2.932E-10	2.260E-10
ESE	1.836E-07	6.209E-08	3.188E-08	1.516E-08	5.444E-09	2.700E-09	1.590E-09	1.041E-09	7.325E-10	5.428E-10	4.183E-10
SE	2.163E-07	7.316E-08	3.756E-08	1.786E-08	6.415E-09	3.181E-09	1.873E-09	1.227E-09	8.630E-10	6.396E-10	4.929E-10
SSE	1.847E-07	6.247E-08	3.207E-08	1.525E-08	5.477E-09	2.716E-09	1.599E-09	1.047E-09	7.369E-10	5.461E-10	4.209E-10

DIRECTION FROM SITE	RELATIVE DEPOSITION PER UNIT AREA (M ³ -2) AT FIXED POINTS BY DOWNWIND SECTORS										
	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	2.466E-10	1.695E-10	6.635E-11	3.354E-11	2.030E-11	1.361E-11	9.751E-12	7.322E-12	5.693E-12	4.548E-12	3.712E-12
SSW	1.166E-10	5.178E-11	3.137E-11	1.585E-11	9.596E-12	6.434E-12	4.610E-12	3.462E-12	2.692E-12	2.150E-12	1.755E-12
SW	6.306E-11	2.801E-11	1.697E-11	8.577E-12	5.191E-12	3.480E-12	2.494E-12	1.873E-12	1.456E-12	1.163E-12	9.494E-13
WSW	6.608E-11	2.971E-11	1.800E-11	9.096E-12	5.505E-12	3.691E-12	2.645E-12	1.986E-12	1.544E-12	1.234E-12	1.007E-12
W	9.936E-11	4.414E-11	2.674E-11	1.351E-11	8.180E-12	5.484E-12	3.930E-12	2.951E-12	2.294E-12	1.833E-12	1.496E-12
WNW	1.337E-10	5.940E-11	3.598E-11	1.819E-11	1.101E-11	7.301E-12	5.209E-12	3.971E-12	3.088E-12	2.466E-12	2.013E-12
NW	3.153E-10	1.401E-10	8.485E-11	4.289E-11	2.596E-11	1.740E-11	1.247E-11	9.365E-12	7.281E-12	5.816E-12	4.747E-12
NNW	4.491E-10	1.995E-10	1.209E-10	6.109E-11	3.697E-11	2.479E-11	1.776E-11	1.334E-11	1.037E-11	8.284E-12	6.762E-12
N	4.071E-10	1.809E-10	1.096E-10	5.537E-11	3.352E-11	2.247E-11	1.610E-11	1.209E-11	9.401E-12	7.510E-12	6.129E-12
NNE	2.121E-10	9.424E-11	5.709E-11	2.885E-11	1.746E-11	1.171E-11	8.390E-12	6.300E-12	4.899E-12	3.913E-12	3.194E-12
NE	1.032E-10	4.585E-11	2.778E-11	1.404E-11	8.497E-12	5.697E-12	4.082E-12	3.065E-12	2.383E-12	1.904E-12	1.554E-12
ENE	9.932E-11	4.412E-11	2.673E-11	1.351E-11	8.177E-12	5.482E-12	3.928E-12	2.950E-12	2.293E-12	1.832E-12	1.495E-12
E	1.795E-10	7.975E-11	4.831E-11	2.442E-11	1.478E-11	9.908E-12	7.100E-12	5.331E-12	4.145E-12	3.311E-12	2.703E-12
ESE	3.323E-10	1.476E-10	8.943E-11	4.520E-11	2.736E-11	1.834E-11	1.314E-11	9.869E-12	7.674E-12	6.130E-12	5.003E-12
SE	3.916E-10	1.739E-10	1.054E-10	5.326E-11	3.223E-11	2.161E-11	1.549E-11	1.163E-11	9.042E-12	7.223E-12	5.895E-12
SSE	3.343E-10	1.485E-10	8.997E-11	4.548E-11	2.752E-11	1.845E-11	1.322E-11	9.929E-12	7.720E-12	6.167E-12	5.034E-12

***** RELATIVE DEPOSITION P/R UNIT AREA (M³-2) BY DOWNWIND SECTORS *****

DIRECTION FROM SITE	RELATIVE DEPOSITION P/R UNIT AREA (M ³ -2) BY DOWNWIND SECTORS									
	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	2.312E-08	4.735E-09	1.236E-09	5.552E-10	3.141E-10	1.208E-10	3.494E-11	1.385E-11	7.396E-12	4.578E-12
SSW	1.093E-08	2.239E-09	5.845E-10	2.625E-10	1.485E-10	5.711E-11	1.652E-11	6.548E-12	3.497E-12	2.164E-12
SW	5.913E-09	1.211E-09	3.162E-10	1.420E-10	8.033E-11	3.089E-11	8.937E-12	3.542E-12	1.891E-12	1.171E-12
WSW	6.271E-09	1.284E-09	3.353E-10	1.506E-10	8.520E-11	3.276E-11	9.478E-12	3.757E-12	2.006E-12	1.242E-12
W	9.317E-09	1.908E-09	4.982E-10	2.237E-10	1.266E-10	4.868E-11	1.408E-11	5.581E-12	2.980E-12	1.845E-12
WNW	1.254E-08	2.568E-09	6.704E-10	3.011E-10	1.793E-10	6.551E-11	1.895E-11	7.511E-12	4.011E-12	2.483E-12
NW	2.957E-08	6.056E-09	1.581E-09	7.101E-10	4.017E-10	1.545E-10	4.469E-11	1.771E-11	9.459E-12	5.854E-12
NNW	4.211E-08	8.626E-09	2.252E-09	1.011E-09	5.721E-10	2.200E-10	6.365E-11	2.523E-11	1.347E-11	8.338E-12
N	3.817E-08	7.819E-09	2.041E-09	9.168E-10	5.186E-10	1.994E-10	5.770E-11	2.287E-11	1.221E-11	7.559E-12
NNE	1.989E-08	4.075E-09	1.064E-09	4.777E-10	2.703E-10	1.039E-10	3.007E-11	1.192E-11	6.364E-12	3.939E-12
NE	9.678E-09	1.982E-09	5.175E-10	2.324E-10	1.315E-10	5.057E-11	1.463E-11	5.798E-12	3.096E-12	1.916E-12
ENE	9.313E-09	1.908E-09	4.980E-10	2.237E-10	1.265E-10	4.866E-11	1.408E-11	5.579E-12	2.979E-12	1.844E-12
E	1.683E-08	3.448E-09	9.001E-10	4.042E-10	2.287E-10	8.794E-11	2.544E-11	1.008E-11	5.385E-12	3.333E-12
ESE	3.116E-08	6.383E-09	1.666E-09	7.484E-10	4.234E-10	1.628E-10	4.710E-11	1.867E-11	9.968E-12	6.170E-12
SE	3.672E-08	7.521E-09	1.963E-09	8.818E-10	4.988E-10	1.918E-10	5.549E-11	2.199E-11	1.175E-11	7.270E-12
SSE	3.135E-08	6.422E-09	1.676E-09	7.529E-10	4.259E-10	1.638E-10	4.739E-11	1.878E-11	1.003E-11	6.208E-12

VENTS GROUND LEVEL RELEASES - OCT-DEC 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q			D/Q (PER SQ.METER)
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	
			NO DECAY			2.260 DAY DECAY		
					UNDEPLETED	UNDEPLETED	DEPLETED	
A	SITE BOUNDARY	S	0.80	1257.	5.652E-06	5.632E-06	5.013E-06	2.011E-08
A	SITE BOUNDARY	SSW	0.82	1327.	3.211E-06	3.198E-06	2.842E-06	8.775E-09
A	SITE BOUNDARY	SW	0.98	1569.	9.219E-07	9.178E-07	8.073E-07	3.069E-09
A	SITE BOUNDARY	WSW	0.93	1489.	1.102E-06	1.097E-06	9.680E-07	3.727E-09
A	SITE BOUNDARY	W	0.91	1468.	1.459E-06	1.453E-06	1.284E-06	5.745E-09
A	SITE BOUNDARY	WNW	0.94	1509.	1.385E-06	1.380E-06	1.216E-06	7.198E-09
A	SITE BOUNDARY	NW	0.81	1307.	5.725E-06	5.705E-06	5.073E-06	2.470E-08
A	SITE BOUNDARY	NNW	0.69	1106.	1.425E-05	1.420E-05	1.275E-05	4.990E-08
A	SITE BOUNDARY	N	0.67	1086.	1.391E-05	1.386E-05	1.246E-05	4.664E-08
A	SITE BOUNDARY	NNE	0.60	965.	7.252E-06	7.231E-06	6.540E-06	2.945E-08
A	SITE BOUNDARY	NE	0.62	1005.	4.014E-06	4.003E-06	3.610E-06	1.347E-08
A	SITE BOUNDARY	ENE	0.59	945.	3.830E-06	3.820E-06	3.460E-06	1.427E-08
A	SITE BOUNDARY	E	0.53	845.	4.038E-06	4.032E-06	3.675E-06	3.097E-08
A	SITE BOUNDARY	ESE	0.54	865.	7.279E-06	7.267E-06	6.614E-06	5.519E-08
A	SITE BOUNDARY	SE	0.65	1046.	7.502E-06	7.485E-06	6.734E-06	4.777E-08
A	SITE BOUNDARY	SSE	0.81	1307.	6.016E-06	5.994E-06	5.331E-06	2.619E-08
A	NEAR. RESIDENCE	SW	1.30	2092.	4.811E-07	4.782E-07	4.125E-07	1.475E-09
A	NEAR. RESIDENCE	WSW	1.30	2092.	5.047E-07	5.017E-07	4.328E-07	1.564E-09
A	NEAR. RESIDENCE	W	1.00	1609.	1.172E-06	1.167E-06	1.025E-06	4.532E-09
A	NEAR. RESIDENCE	WNW	1.60	2575.	4.000E-07	4.055E-07	3.441E-07	1.869E-09
A	NEAR. RESIDENCE	NW	0.90	1448.	4.448E-06	4.431E-06	3.916E-06	1.890E-08
A	NEAR. RESIDENCE	NNW	1.90	3058.	1.585E-06	1.571E-06	1.315E-06	4.129E-09
A	NEAR. RESIDENCE	N	3.00	4828.	6.291E-07	6.202E-07	4.977E-07	1.275E-09
A	NEAR. RESIDENCE	NNE	2.70	4345.	3.130E-07	3.088E-07	2.506E-07	8.480E-10
A	NEAR. RESIDENCE	ENE	1.70	2736.	4.197E-07	4.165E-07	3.519E-07	1.196E-09
A	NEAR. RESIDENCE	E	1.80	2897.	3.099E-07	3.084E-07	2.587E-07	1.881E-09
A	NEAR. RESIDENCE	ESE	2.40	3863.	3.198E-07	3.174E-07	2.596E-07	1.749E-09
A	NEAREST COW	NNW	3.50	5633.	4.857E-07	4.780E-07	3.773E-07	9.897E-10
A	NEAREST GARDEN	SW	1.30	2092.	4.811E-07	4.782E-07	4.125E-07	1.475E-09
A	NEAREST GARDEN	WSW	1.80	2897.	2.487E-07	2.467E-07	2.075E-07	7.009E-10
A	NEAREST GARDEN	WNW	1.60	2575.	4.080E-07	4.055E-07	3.441E-07	1.869E-09
A	NEAREST GARDEN	NW	2.80	4506.	3.969E-07	3.919E-07	3.165E-07	1.158E-09
A	NEAREST GARDEN	NNW	1.90	3058.	1.585E-06	1.571E-06	1.315E-06	4.129E-09
A	NEAREST GARDEN	N	3.00	4828.	6.291E-07	6.202E-07	4.977E-07	1.275E-09
A	NEAREST GARDEN	ENE	1.70	2736.	4.197E-07	4.165E-07	3.519E-07	1.196E-09
A	NEAREST GARDEN	E	1.80	2897.	3.099E-07	3.084E-07	2.587E-07	1.881E-09
A	NEAREST GARDEN	ESE	2.40	3863.	3.198E-07	3.174E-07	2.596E-07	1.749E-09

Atmospheric Diffusion Estimates

Ground Level Releases

July-December 1995

VENTS GROUND LEVEL RELEASES - JUL-DEC 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)								DISTANCE IN MILES								
	C.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	1.500	2.000	2.500	3.000	3.500	4.000
S	4.047E-05	1.331E-05	7.057E-06	3.530E-06	1.427E-06	7.764E-07	4.940E-07	3.459E-07	2.584E-07	2.020E-07	1.635E-07						
SSW	2.283E-05	7.384E-06	3.967E-06	2.003E-06	8.102E-07	4.406E-07	2.802E-07	1.961E-07	1.464E-07	1.144E-07	9.250E-08						
SW	9.324E-06	3.110E-06	1.666E-06	8.348E-07	3.356E-07	1.818E-07	1.154E-07	8.060E-08	6.008E-08	4.690E-08	3.790E-08						
WSW	9.304E-06	3.072E-06	1.654E-06	8.320E-07	3.323E-07	1.792E-07	1.132E-07	7.884E-08	5.859E-08	4.562E-08	3.678E-08						
W	1.029E-05	3.422E-06	1.817E-06	9.081E-07	3.656E-07	1.983E-07	1.259E-07	8.798E-08	6.559E-08	5.122E-08	4.139E-08						
WNW	1.111E-05	3.726E-06	1.992E-06	9.940E-07	3.927E-07	2.103E-07	1.322E-07	9.170E-08	6.794E-08	5.276E-08	4.244E-08						
NW	3.393E-05	1.121E-05	5.989E-06	3.004E-06	1.212E-06	6.585E-07	4.186E-07	2.929E-07	2.186E-07	1.708E-07	1.382E-07						
NNW	7.014E-05	2.262E-05	1.217E-05	6.155E-06	2.512E-06	1.375E-06	8.791E-07	6.178E-07	4.627E-07	3.626E-07	2.940E-07						
N	6.489E-05	2.042E-05	1.098E-05	5.572E-06	2.292E-06	1.261E-06	8.094E-07	5.706E-07	4.284E-07	3.366E-07	2.734E-07						
NNE	3.847E-05	1.211E-05	6.428E-06	3.240E-06	1.329E-06	7.305E-07	4.683E-07	3.299E-07	2.476E-07	1.945E-07	1.579E-07						
NE	1.583E-05	5.015E-06	2.673E-06	1.349E-06	5.520E-07	3.027E-07	1.937E-07	1.362E-07	1.021E-07	8.010E-08	6.499E-08						
ENE	1.289E-05	4.207E-06	2.302E-06	1.170E-06	4.701E-07	2.545E-07	1.613E-07	1.126E-07	8.387E-08	6.542E-08	5.282E-08						
E	1.180E-05	3.856E-06	2.039E-06	1.019E-06	4.110E-07	2.234E-07	1.421E-07	9.944E-08	7.424E-08	5.804E-08	4.696E-08						
ESE	1.625E-05	5.505E-06	2.987E-06	1.503E-06	5.973E-07	3.211E-07	2.024E-07	1.407E-07	1.044E-07	8.123E-08	6.542E-08						
SE	2.651E-05	8.701E-06	4.693E-06	2.368E-06	9.555E-07	5.199E-07	3.297E-07	2.306E-07	1.720E-07	1.344E-07	1.087E-07						
SSE	5.632E-05	1.792E-05	9.461E-06	4.751E-06	1.947E-06	1.069E-06	6.850E-07	4.823E-07	3.618E-07	2.840E-07	2.306E-07						

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)								DISTANCE IN MILES								
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	20.000	25.000	30.000	35.000	40.000	45.000
S	1.358E-07	7.094E-08	4.651E-08	2.713E-08	1.859E-08	1.390E-08	1.098E-08	8.996E-09	7.578E-09	6.517E-09	5.697E-09						
SSW	7.684E-08	4.006E-08	2.623E-08	1.526E-08	1.044E-08	7.788E-09	6.140E-09	5.026E-09	4.229E-09	3.633E-09	3.173E-09						
SW	3.145E-08	1.634E-08	1.067E-08	6.190E-09	4.228E-09	3.152E-09	2.483E-09	2.031E-09	1.708E-09	1.467E-09	1.280E-09						
WSW	3.046E-08	1.569E-08	1.019E-08	5.870E-09	3.993E-09	2.968E-09	2.332E-09	1.904E-09	1.598E-09	1.370E-09	1.194E-09						
W	3.436E-08	1.785E-08	1.166E-08	6.770E-09	4.622E-09	3.445E-09	2.714E-09	2.220E-09	1.867E-09	1.603E-09	1.400E-09						
WNW	3.509E-08	1.798E-08	1.164E-08	6.674E-09	4.529E-09	3.361E-09	2.637E-09	2.151E-09	1.804E-09	1.545E-09	1.346E-09						
NW	1.148E-07	5.988E-08	3.922E-08	2.285E-08	1.565E-08	1.169E-08	9.222E-09	7.555E-09	6.360E-09	5.467E-09	4.777E-09						
NNW	2.448E-07	1.286E-07	8.469E-08	4.964E-08	3.412E-08	2.556E-08	2.021E-08	1.658E-08	1.398E-08	1.203E-08	1.052E-08						
N	2.280E-07	1.206E-07	7.972E-08	4.702E-08	3.246E-08	2.439E-08	1.934E-08	1.590E-08	1.343E-08	1.158E-08	1.014E-08						
NNE	1.317E-07	6.967E-08	4.609E-08	2.721E-08	1.881E-08	1.415E-08	1.123E-08	9.245E-09	7.815E-09	6.741E-09	5.908E-09						
NE	5.414E-08	2.853E-08	1.882E-08	1.107E-08	7.627E-09	5.726E-09	4.536E-09	3.728E-09	3.147E-09	2.712E-09	2.374E-09						
ENE	4.382E-08	2.274E-08	1.483E-08	8.588E-09	5.854E-09	4.357E-09	3.427E-09	2.800E-09	2.351E-09	2.017E-09	1.759E-09						
E	3.903E-08	2.041E-08	1.339E-08	7.823E-09	5.366E-09	4.015E-09	3.172E-09	2.601E-09	2.192E-09	1.886E-09	1.649E-09						
ESE	5.415E-08	2.786E-08	1.807E-08	1.038E-08	7.045E-09	5.225E-09	4.098E-09	3.340E-09	2.800E-09	2.397E-09	2.087E-09						
SE	9.023E-08	4.696E-08	3.071E-08	1.785E-08	1.220E-08	9.103E-09	7.174E-09	5.871E-09	4.938E-09	4.241E-09	3.703E-09						
SSE	1.922E-07	1.015E-07	6.708E-08	3.954E-08	2.730E-08	2.052E-08	1.627E-08	1.338E-08	1.131E-08	9.749E-09	8.542E-09						

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.879E-06	1.605E-06	5.101E-07	2.619E-07	1.647E-07	7.450E-08	2.764E-08	1.398E-08	9.021E-09	6.527E-09
SSW	3.854E-06	9.111E-07	2.893E-07	1.484E-07	9.319E-08	4.209E-08	1.555E-08	7.835E-09	5.041E-09	3.639E-09
SW	1.617E-06	3.782E-07	1.192E-07	6.093E-08	3.818E-08	1.718E-08	6.313E-09	3.171E-09	2.037E-09	1.469E-09
WSW	1.604E-06	3.753E-07	1.171E-07	5.943E-08	3.706E-08	1.653E-08	5.996E-09	2.987E-09	1.910E-09	1.373E-09
W	1.770E-06	4.118E-07	1.300E-07	6.651E-08	4.170E-08	1.877E-08	6.903E-09	3.466E-09	2.226E-09	1.606E-09
WNW	1.934E-06	4.453E-07	1.368E-07	6.895E-08	4.278E-08	1.896E-08	6.824E-09	3.383E-09	2.158E-09	1.548E-09
NW	5.822E-06	1.364E-06	4.323E-07	2.216E-07	1.392E-07	6.290E-08	2.328E-08	1.176E-08	7.576E-09	5.476E-09
NNW	1.182E-05	2.817E-06	9.069E-07	4.609E-07	2.961E-07	1.349E-07	5.053E-08	2.570E-08	1.663E-08	1.205E-08
N	1.067E-05	2.563E-06	8.344E-07	4.341E-07	2.753E-07	1.263E-07	4.781E-08	2.452E-08	1.595E-08	1.160E-08
NNE	6.273E-06	1.488E-06	4.829E-07	2.509E-07	1.591E-07	7.298E-08	2.767E-08	1.423E-08	9.268E-09	6.751E-09
NE	2.605E-06	6.184E-07	1.998E-07	1.035E-07	6.545E-08	2.991E-08	1.126E-08	5.757E-09	3.737E-09	2.716E-09
ENE	2.222E-06	5.298E-07	1.667E-07	8.505E-08	5.322E-08	2.391E-08	8.760E-09	4.384E-09	2.808E-09	2.020E-09
E	1.989E-06	4.627E-07	1.467E-07	7.527E-08	4.731E-08	2.143E-08	7.969E-09	4.038E-09	2.608E-09	1.889E-09
ESE	2.887E-06	6.758E-07	2.094E-07	1.060E-07	6.593E-08	2.935E-08	1.061E-08	5.260E-09	3.351E-09	2.402E-09
SE	4.550E-06	1.075E-06	3.406E-07	1.744E-07	1.095E-07	4.935E-08	1.820E-08	9.158E-09	5.888E-09	4.248E-09
SSE	9.247E-06	2.180E-06	7.064E-07	3.666E-07	2.322E-07	1.064E-07	4.022E-08	2.063E-08	1.342E-08	9.764E-09

VENTS GROUND LEVEL RELEASES - JUL-DEC 1995
 2.260 DAY DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	4.042E-05	1.328E-05	7.033E-06	3.514E-06	1.417E-06	7.694E-07	4.884E-07	3.412E-07	2.542E-07	1.983E-07	1.600E-07
SSW	2.280E-05	7.366E-06	3.953E-06	1.994E-06	8.043E-07	4.363E-07	2.768E-07	1.932E-07	1.438E-07	1.121E-07	9.046E-08
SW	9.312E-06	3.103E-06	1.660E-06	8.307E-07	3.331E-07	1.801E-07	1.139E-07	7.940E-08	5.903E-08	4.597E-08	3.704E-08
WSW	9.294E-06	3.066E-06	1.648E-06	8.284E-07	3.301E-07	1.776E-07	1.120E-07	7.777E-08	5.766E-08	4.479E-08	3.603E-08
W	1.028E-05	3.415E-06	1.811E-06	9.043E-07	3.633E-07	1.966E-07	1.245E-07	8.683E-08	6.460E-08	5.033E-08	4.058E-08
WNW	1.110E-05	3.720E-06	1.986E-06	9.903E-07	3.905E-07	2.087E-07	1.310E-07	9.065E-08	6.703E-08	5.195E-08	4.170E-08
NW	3.389E-05	1.119E-05	5.972E-06	2.993E-06	1.205E-06	6.535E-07	4.146E-07	2.895E-07	2.156E-07	1.682E-07	1.358E-07
NNW	7.007E-05	2.257E-05	1.213E-05	6.120E-06	2.496E-06	1.363E-06	8.694E-07	6.095E-07	4.555E-07	3.562E-07	2.881E-07
N	6.482E-05	2.038E-05	1.094E-05	5.549E-06	2.278E-06	1.251E-06	8.006E-07	5.631E-07	4.219E-07	3.307E-07	2.680E-07
NNE	3.843E-05	1.208E-05	6.405E-06	3.225E-06	1.320E-06	7.234E-07	4.626E-07	3.251E-07	2.434E-07	1.907E-07	1.545E-07
NE	1.581E-05	5.003E-06	2.664E-06	1.343E-06	5.401E-07	2.998E-07	1.913E-07	1.343E-07	1.004E-07	7.855E-08	6.357E-08
ENE	1.288E-05	4.197E-06	2.294E-06	1.165E-06	4.669E-07	2.523E-07	1.595E-07	1.111E-07	8.255E-08	6.425E-08	5.176E-08
E	1.179E-05	3.849E-06	2.033E-06	1.015E-06	4.087E-07	2.217E-07	1.407E-07	9.827E-08	7.321E-08	5.712E-08	4.611E-08
ESE	1.624E-05	5.496E-06	2.980E-06	1.498E-06	5.942E-07	3.188E-07	2.007E-07	1.392E-07	1.031E-07	8.007E-08	6.436E-08
SE	2.648E-05	8.683E-06	4.678E-06	2.358E-06	9.494E-07	5.145E-07	3.262E-07	2.276E-07	1.694E-07	1.321E-07	1.065E-07
SSE	5.625E-05	1.787E-05	9.426E-06	4.728E-06	1.933E-06	1.059E-06	6.764E-07	4.750E-07	3.554E-07	2.783E-07	2.253E-07

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.327E-07	6.846E-08	4.434E-08	2.524E-08	1.688E-08	1.232E-08	9.496E-09	7.598E-09	6.248E-09	5.246E-09	4.477E-09
SSW	7.494E-08	3.858E-08	2.494E-08	1.415E-08	9.434E-09	6.865E-09	5.277E-09	4.213E-09	3.457E-09	2.897E-09	2.467E-09
SW	3.066E-08	1.572E-08	1.013E-08	5.729E-09	3.811E-09	2.768E-09	2.124E-09	1.693E-09	1.387E-09	1.161E-09	9.874E-10
WSW	2.977E-08	1.515E-08	9.723E-09	5.467E-09	3.631E-09	2.635E-09	2.021E-09	1.611E-09	1.321E-09	1.106E-09	9.411E-10
W	3.360E-08	1.726E-08	1.115E-08	6.323E-09	4.218E-09	3.072E-09	2.364E-09	1.890E-09	1.553E-09	1.303E-09	1.112E-09
WNW	3.441E-08	1.746E-08	1.118E-08	6.284E-09	4.179E-09	3.038E-09	2.336E-09	1.867E-09	1.534E-09	1.288E-09	1.100E-09
NW	1.126E-07	5.811E-08	3.767E-08	2.150E-08	1.442E-08	1.055E-08	8.157E-09	6.546E-09	5.400E-09	4.548E-09	3.893E-09
NNW	2.393E-07	1.243E-07	8.091E-08	4.635E-08	3.113E-08	2.279E-08	1.761E-08	1.413E-08	1.164E-08	9.795E-09	8.376E-09
N	2.230E-07	1.166E-07	7.623E-08	4.395E-08	2.966E-08	2.180E-08	1.690E-08	1.359E-08	1.123E-08	9.467E-09	8.112E-09
NNE	1.285E-07	6.712E-08	4.384E-08	2.525E-08	1.702E-08	1.249E-08	9.673E-09	7.768E-09	6.408E-09	5.394E-09	4.614E-09
NE	5.283E-08	2.749E-08	1.790E-08	1.027E-08	6.901E-09	5.052E-09	3.904E-09	3.129E-09	2.577E-09	2.167E-09	1.851E-09
ENE	4.284E-08	2.198E-08	1.417E-08	8.023E-09	5.347E-09	3.891E-09	2.993E-09	2.392E-09	1.965E-09	1.648E-09	1.406E-09
E	3.825E-08	1.979E-08	1.285E-08	7.347E-09	4.934E-09	3.613E-09	2.794E-09	2.243E-09	1.851E-09	1.559E-09	1.335E-09
ESE	5.318E-08	2.710E-08	1.741E-08	9.816E-09	6.534E-09	4.755E-09	3.659E-09	2.927E-09	2.407E-09	2.023E-09	1.729E-09
SE	8.826E-08	4.542E-08	2.937E-08	1.668E-08	1.114E-08	8.127E-09	6.260E-09	5.008E-09	4.118E-09	3.458E-09	2.952E-09
SSE	1.874E-07	9.766E-08	6.368E-08	3.656E-08	2.458E-08	1.800E-08	1.390E-08	1.114E-08	9.168E-09	7.702E-09	6.576E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.857E-06	1.595E-06	5.044E-07	2.577E-07	1.612E-07	7.201E-08	2.577E-08	1.241E-08	7.626E-09	5.258E-09
SSW	3.841E-06	9.051E-07	2.859E-07	1.459E-07	9.114E-08	4.060E-08	1.445E-08	6.915E-09	4.229E-09	2.904E-09
SW	1.612E-06	3.757E-07	1.178E-07	5.988E-08	3.733E-08	1.656E-08	5.856E-09	2.789E-09	1.760E-09	1.164E-09
WSW	1.599E-06	3.730E-07	1.158E-07	5.850E-08	3.630E-08	1.599E-08	5.597E-09	2.655E-09	1.618E-09	1.108E-09
W	1.765E-06	4.094E-07	1.287E-07	6.551E-08	4.088E-08	1.818E-08	6.460E-09	3.094E-09	1.897E-09	1.306E-09
WNW	1.929E-06	4.430E-07	1.356E-07	6.803E-08	4.204E-08	1.844E-08	6.437E-09	3.062E-09	1.874E-09	1.291E-09
NW	5.807E-06	1.357E-06	4.282E-07	2.187E-07	1.368E-07	6.113E-08	2.195E-08	1.063E-08	6.570E-09	4.558E-09
NNW	1.178E-05	2.800E-06	8.971E-07	4.617E-07	2.902E-07	1.306E-07	4.727E-08	2.294E-08	1.418E-08	9.817E-09
N	1.064E-05	2.548E-06	8.256E-07	4.275E-07	2.699E-07	1.223E-07	4.477E-08	2.194E-08	1.364E-08	9.487E-09
NNE	6.252E-06	1.478E-06	4.771E-07	2.466E-07	1.556E-07	7.041E-08	2.572E-08	1.257E-08	7.794E-09	5.406E-09
NE	2.597E-06	6.144E-07	1.974E-07	1.017E-07	6.403E-08	2.886E-08	1.047E-08	5.086E-09	3.140E-09	2.171E-09
ENE	2.215E-06	5.266E-07	1.649E-07	8.374E-08	5.216E-08	2.315E-08	8.201E-09	3.920E-09	2.401E-09	1.652E-09
E	1.984E-06	4.603E-07	1.453E-07	7.424E-08	4.646E-08	2.081E-08	7.497E-09	3.638E-09	2.251E-09	1.563E-09
ESE	2.880E-06	6.726E-07	2.076E-07	1.047E-07	6.487E-08	2.859E-08	1.005E-08	4.791E-09	2.938E-09	2.028E-09
SE	4.537E-06	1.069E-06	3.370E-07	1.718E-07	1.073E-07	4.780E-08	1.704E-08	8.185E-09	5.027E-09	3.466E-09
SSE	9.215E-06	2.165E-06	6.977E-07	3.602E-07	2.270E-07	1.025E-07	3.726E-08	1.811E-08	1.118E-08	7.71E-09

B272

VENTS GROUND LEVEL RELEASES - JUL-DEC 1995
8.000 DAY DECAY, DEPLETED
CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)									DISTANCE IN MILES													
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	
S	3.829E-05	1.215E-05	6.283E-06	3.086E-06	1.210E-06	6.413E-07	3.989E-07	2.737E-07	2.007E-07	1.543E-07	1.229E-07	3.829E-05	1.215E-05	6.283E-06	3.086E-06	1.210E-06	6.413E-07	3.989E-07	2.737E-07	2.007E-07	1.543E-07	1.229E-07	3.829E-05
SSW	2.160E-05	6.738E-06	3.532E-06	1.751E-06	6.866E-07	3.638E-07	2.262E-07	1.551E-07	1.136E-07	8.731E-08	6.950E-08	2.160E-05	6.738E-06	3.532E-06	1.751E-06	6.866E-07	3.638E-07	2.262E-07	1.551E-07	1.136E-07	8.731E-08	6.950E-08	2.160E-05
SW	8.821E-06	2.838E-06	1.483E-06	7.297E-07	2.844E-07	1.502E-07	9.312E-08	6.375E-08	4.665E-08	3.580E-08	2.847E-08	8.821E-06	2.838E-06	1.483E-06	7.297E-07	2.844E-07	1.502E-07	9.312E-08	6.375E-08	4.665E-08	3.580E-08	2.847E-08	8.821E-06
WSW	8.803E-06	2.804E-06	1.472E-06	7.274E-07	2.817E-07	1.480E-07	9.142E-08	6.238E-08	4.551E-08	3.484E-08	2.765E-08	8.803E-06	2.804E-06	1.472E-06	7.274E-07	2.817E-07	1.480E-07	9.142E-08	6.238E-08	4.551E-08	3.484E-08	2.765E-08	8.803E-06
W	9.738E-06	3.123E-06	1.618E-06	7.940E-07	3.099E-07	1.638E-07	1.016E-07	6.962E-08	5.096E-08	3.912E-08	3.112E-08	9.738E-06	3.123E-06	1.618E-06	7.940E-07	3.099E-07	1.638E-07	1.016E-07	6.962E-08	5.096E-08	3.912E-08	3.112E-08	9.738E-06
NHW	1.051E-05	3.401E-06	1.773E-06	8.692E-07	3.330E-07	1.738E-07	1.068E-07	7.260E-08	5.281E-08	4.033E-08	3.193E-08	1.051E-05	3.401E-06	1.773E-06	8.692E-07	3.330E-07	1.738E-07	1.068E-07	7.260E-08	5.281E-08	4.033E-08	3.193E-08	1.051E-05
NW	3.210E-05	1.023E-05	5.333E-06	2.627E-06	1.028E-06	5.441E-07	3.381E-07	2.319E-07	1.699E-07	1.306E-07	1.040E-07	3.210E-05	1.023E-05	5.333E-06	2.627E-06	1.028E-06	5.441E-07	3.381E-07	2.319E-07	1.699E-07	1.306E-07	1.040E-07	3.210E-05
NNW	6.636E-05	2.064E-05	1.083E-05	5.381E-06	2.130E-06	1.136E-06	7.098E-07	4.888E-07	3.594E-07	2.770E-07	2.210E-07	6.636E-05	2.064E-05	1.083E-05	5.381E-06	2.130E-06	1.136E-06	7.098E-07	4.888E-07	3.594E-07	2.770E-07	2.210E-07	6.636E-05
N	6.139E-05	1.864E-05	9.775E-06	4.872E-06	1.943E-06	1.042E-06	6.536E-07	4.515E-07	3.329E-07	2.571E-07	2.056E-07	6.139E-05	1.864E-05	9.775E-06	4.872E-06	1.943E-06	1.042E-06	6.536E-07	4.515E-07	3.329E-07	2.571E-07	2.056E-07	6.139E-05
NNE	3.640E-05	1.105E-05	5.723E-06	2.832E-06	1.127E-06	6.032E-07	3.780E-07	2.610E-07	1.923E-07	1.484E-07	1.187E-07	3.640E-05	1.105E-05	5.723E-06	2.832E-06	1.127E-06	6.032E-07	3.780E-07	2.610E-07	1.923E-07	1.484E-07	1.187E-07	3.640E-05
NE	1.497E-05	4.576E-06	2.380E-06	1.180E-06	4.679E-07	2.499E-07	1.563E-07	1.078E-07	7.930E-08	6.115E-08	4.883E-08	1.497E-05	4.576E-06	2.380E-06	1.180E-06	4.679E-07	2.499E-07	1.563E-07	1.078E-07	7.930E-08	6.115E-08	4.883E-08	1.497E-05
ENE	1.220E-05	3.839E-06	2.049E-06	1.023E-06	3.985E-07	2.102E-07	1.303E-07	8.911E-08	6.515E-08	4.996E-08	3.971E-08	1.220E-05	3.839E-06	2.049E-06	1.023E-06	3.985E-07	2.102E-07	1.303E-07	8.911E-08	6.515E-08	4.996E-08	3.971E-08	1.220E-05
E	1.117E-05	3.520E-06	1.815E-06	8.907E-07	3.485E-07	1.846E-07	1.148E-07	7.872E-08	5.770E-08	4.435E-08	3.532E-08	1.117E-05	3.520E-06	1.815E-06	8.907E-07	3.485E-07	1.846E-07	1.148E-07	7.872E-08	5.770E-08	4.435E-08	3.532E-08	1.117E-05
ESE	1.538E-05	5.025E-06	2.660E-06	1.314E-06	5.065E-07	2.654E-07	1.636E-07	1.114E-07	8.121E-08	6.210E-08	4.924E-08	1.538E-05	5.025E-06	2.660E-06	1.314E-06	5.065E-07	2.654E-07	1.636E-07	1.114E-07	8.121E-08	6.210E-08	4.924E-08	1.538E-05
SE	2.508E-05	7.941E-06	4.178E-06	2.070E-06	8.100E-07	4.287E-07	2.663E-07	1.825E-07	1.337E-07	1.027E-07	8.169E-08	2.508E-05	7.941E-06	4.178E-06	2.070E-06	8.100E-07	4.287E-07	2.663E-07	1.825E-07	1.337E-07	1.027E-07	8.169E-08	2.508E-05
SSE	5.328E-05	1.635E-05	8.422E-06	4.153E-06	1.650E-06	8.828E-07	5.529E-07	3.815E-07	2.809E-07	2.168E-07	1.732E-07	5.328E-05	1.635E-05	8.422E-06	4.153E-06	1.650E-06	8.828E-07	5.529E-07	3.815E-07	2.809E-07	2.168E-07	1.732E-07	5.328E-05

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)									DISTANCE IN MILES													
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	
S	1.006E-07	4.951E-08	3.082E-08	1.653E-08	1.056E-08	7.431E-09	5.553E-09	4.327E-09	3.476E-09	2.859E-09	2.395E-09	1.006E-07	4.951E-08	3.082E-08	1.653E-08	1.056E-08	7.431E-09	5.553E-09	4.327E-09	3.476E-09	2.859E-09	2.395E-09	1.006E-07
SSW	5.688E-08	2.794E-08	1.737E-08	9.287E-09	5.922E-09	4.157E-09	3.101E-09	2.413E-09	1.935E-09	1.590E-09	1.330E-09	5.688E-08	2.794E-08	1.737E-08	9.287E-09	5.922E-09	4.157E-09	3.101E-09	2.413E-09	1.935E-09	1.590E-09	1.330E-09	5.688E-08
SW	2.328E-08	1.139E-08	7.064E-09	3.766E-09	2.397E-09	1.681E-09	1.252E-09	9.735E-10	7.804E-10	6.405E-10	5.355E-10	2.328E-08	1.139E-08	7.064E-09	3.766E-09	2.397E-09	1.681E-09	1.252E-09	9.735E-10	7.804E-10	6.405E-10	5.355E-10	2.328E-08
WSW	2.256E-08	1.095E-08	6.756E-09	3.577E-09	2.270E-09	1.587E-09	1.181E-09	9.163E-10	7.336E-10	6.015E-10	5.025E-10	2.256E-08	1.095E-08	6.756E-09	3.577E-09	2.270E-09	1.587E-09	1.181E-09	9.163E-10	7.336E-10	6.015E-10	5.025E-10	2.256E-08
W	2.545E-08	1.247E-08	7.737E-09	4.129E-09	2.630E-09	1.845E-09	1.376E-09	1.070E-09	8.585E-10	7.052E-10	5.901E-10	2.545E-08	1.247E-08	7.737E-09	4.129E-09	2.630E-09	1.845E-09	1.376E-09	1.070E-09	8.585E-10	7.052E-10	5.901E-10	2.545E-08
NHW	2.601E-08	1.257E-08	7.730E-09	4.080E-09	2.585E-09	1.807E-09	1.343E-09	1.043E-09	8.349E-10	6.847E-10	5.722E-10	2.601E-08	1.257E-08	7.730E-09	4.080E-09	2.585E-09	1.807E-09	1.343E-09	1.043E-09	8.349E-10	6.847E-10	5.722E-10	2.601E-08
NW	8.509E-08	4.185E-08	2.605E-08	1.396E-08	8.927E-09	6.281E-09	4.695E-09	3.660E-09	2.942E-09	2.429E-09	2.028E-09	8.509E-08	4.185E-08	2.605E-08	1.396E-08	8.927E-09	6.281E-09	4.695E-09	3.660E-09	2.942E-09	2.429E-09	2.028E-09	8.509E-08
NNW	1.813E-07	8.982E-08	5.616E-08	3.027E-08	1.941E-08	1.369E-08	1.025E-08	7.995E-09	6.431E-09	5.294E-09	4.439E-09	1.813E-07	8.982E-08	5.616E-08	3.027E-08	1.941E-08	1.369E-08	1.025E-08	7.995E-09	6.431E-09	5.294E-09	4.439E-09	1.813E-07
N	1.689E-07	8.420E-08	5.288E-08	2.868E-08	1.847E-08	1.307E-08	9.812E-09	7.675E-09	6.186E-09	5.101E-09	4.284E-09	1.689E-07	8.420E-08	5.288E-08	2.868E-08	1.847E-08	1.307E-08	9.812E-09	7.675E-09	6.186E-09	5.101E-09	4.284E-09	1.689E-07
NNE	9.749E-08	4.860E-08	3.053E-08	1.656E-08	1.068E-08	7.557E-09	5.675E-09	4.440E-09	3.579E-09	2.952E-09	2.479E-09	9.749E-08	4.860E-08	3.053E-08	1.656E-08	1.068E-08	7.557E-09	5.675E-09	4.440E-09	3.579E-09	2.952E-09	2.479E-09	9.749E-08
NE	4.008E-08	1.990E-08	1.247E-08	6.736E-09	4.329E-09	3.057E-09	2.291E-09	1.790E-09	1.441E-09	1.187E-09	9.956E-10	4.008E-08	1.990E-08	1.247E-08	6.736E-09	4.329E-09	3.057E-09	2.291E-09	1.790E-09	1.441E-09	1.187E-09	9.956E-10	4.008E-08
ENE	3.246E-08	1.587E-08	9.837E-09	5.238E-09	3.332E-09	2.334E-09	1.739E-09	1.351E-09	1.083E-09	8.886E-10	7.430E-10	3.246E-08	1.587E-08	9.837E-09	5.238E-09	3.332E-09	2.334E-09	1.739E-09	1.351E-09	1.083E-09	8.886E-10	7.430E-10	3.246E-08
E	2.893E-08	1.426E-08	8.893E-09	4.778E-09	3.059E-09	2.155E-09	1.613E-09	1.258E-09	1.012E-09	8.333E-10	6.988E-10	2.893E-08	1.426E-08	8.893E-09	4.778E-09	3.059E-09	2.155E-09	1.613E-09	1.258E-09	1.012E-09	8.333E-10	6.988E-10	2.893E-08
ESE	4.016E-08	1.949E-08	1.201E-08	6.354E-09	4.027E-09	2.814E-09	2.092E-09	1.623E-09	1.300E-09	1.066E-09	8.904E-10	4.016E-08	1.949E-08	1.201E-08	6.354E-09	4.027E-09	2.814E-09	2.092E-09	1.623E-09	1.300E-09	1.066E-09	8.904E-10	4.016E-08
SE	6.684E-08	3.279E-08	2.037E-08	1.089E-08	6.944E-09	4.876E-09	3.639E-09	2.832E-09	2.272E-09	1.867E-09	1.563E-09	6.684E-08	3.279E-08	2.037E-08	1.089E-08	6.944E-09	4.876E-09	3.639E-09	2.832E-09	2.272E-09	1.867E-09	1.563E-09	6.684E-08
SSE	1.422E-07	7.079E-08	4.441E-08	2.405E-08	1.547E-08	1.094E-08	8.202E-09	6.410E-09	5.162E-09	4.254E-09	3.569E-09	1.422E-07	7.079E-08	4.441E-08	2.405E-08	1.547E-08	1.094E-08	8.202E-09	6.410E-09	5.162E-09	4.254E-09	3.569E-09	1.422E-07

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.165E-06	1.374E-06	4.134E-07	2.039E-07	1.239E-07	5.255E-08	1.705E-08	7.515E-09	4.353E-09	2.870E-09
SSW	3.453E-06	7.798E-07	2.345E-07	1.155E-07	7.010E-08	2.967E-08	9.588E-09	4.205E-09	2.427E-09	1.596E-09
SW	1.449E-06	3.237E-07	9.659E-08	4.740E-08	2.872E-08	1.211E-08	3.890E-09	1.701E-09	9.796E-10	6.430E-10
WSW	1.437E-06	3.213E-07	9.490E-08	4.627E-08	2.789E-08	1.167E-08	3.702E-09	1.607E-09	9.223E-10	6.040E-10
W	1.586E-06	3.525E-07	1.054E-07	5.178E-08						

VENTS GROUND LEVEL RELEASES - JUL-DEC 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION

***** RELATIVE DEPOSITION PER UNIT AREA (MM²) AT FIXED POINTS BY DOWNWIND SECTORS *****

DIRECTION FROM SITE	DISTANCES IN MILES										
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
S	1.505E-07	5.090E-08	2.613E-08	1.242E-08	4.463E-09	2.213E-09	1.303E-09	8.533E-10	6.004E-10	4.450E-10	3.429E-10
SSW	7.151E-08	2.418E-08	1.242E-08	5.903E-09	2.120E-09	1.052E-09	6.191E-10	4.654E-10	2.853E-10	2.114E-10	1.629E-10
SW	3.333E-08	1.127E-08	5.786E-09	2.751E-09	9.881E-10	4.900E-10	2.885E-10	1.889E-10	1.329E-10	9.853E-11	7.593E-11
WSW	3.548E-08	1.200E-08	6.160E-09	2.928E-09	1.052E-09	5.216E-10	3.072E-10	2.011E-10	1.415E-10	1.049E-10	8.082E-11
W	4.730E-08	1.599E-08	8.212E-09	3.904E-09	1.402E-09	6.954E-10	4.095E-10	2.681E-10	1.887E-10	1.398E-10	1.078E-10
WNW	6.341E-08	2.144E-08	1.101E-08	5.234E-09	1.880E-09	9.324E-10	5.490E-10	3.595E-10	2.529E-10	1.875E-10	1.445E-10
NW	1.693E-07	5.725E-08	2.939E-08	1.397E-08	5.019E-09	2.489E-09	1.466E-09	9.597E-10	6.753E-10	5.005E-10	3.857E-10
NNW	2.548E-07	8.617E-08	4.424E-08	2.103E-08	7.555E-09	3.747E-09	2.206E-09	1.445E-09	1.017E-09	7.533E-10	5.805E-10
N	2.468E-07	8.344E-08	4.284E-08	2.037E-08	7.316E-09	3.628E-09	2.136E-09	1.399E-09	9.844E-10	7.295E-10	5.622E-10
NNE	1.323E-07	4.473E-08	2.296E-08	1.092E-08	3.922E-09	1.945E-09	1.145E-09	7.499E-10	5.276E-10	3.910E-10	3.013E-10
NE	5.323E-08	1.800E-08	9.242E-09	4.394E-09	1.578E-09	7.827E-10	4.609E-10	3.018E-10	2.123E-10	1.574E-10	1.213E-10
ENE	5.160E-08	1.745E-08	8.959E-09	4.259E-09	1.530E-09	7.587E-10	4.468E-10	2.925E-10	2.058E-10	1.525E-10	1.176E-10
E	6.718E-08	2.272E-08	1.166E-08	5.545E-09	1.992E-09	9.878E-10	5.816E-10	3.809E-10	2.680E-10	1.986E-10	1.530E-10
ESE	1.150E-07	3.889E-08	1.997E-08	9.492E-09	3.410E-09	1.691E-09	9.956E-10	6.519E-10	4.587E-10	3.400E-10	2.620E-10
SE	1.344E-07	4.544E-08	2.333E-08	1.109E-08	3.984E-09	1.976E-09	1.163E-09	7.618E-10	5.360E-10	3.972E-10	3.061E-10
SSE	1.893E-07	6.401E-08	3.286E-08	1.562E-08	5.612E-09	2.783E-09	1.639E-09	1.073E-09	7.551E-10	5.596E-10	4.312E-10

DIRECTION FROM SITE	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	2.724E-10	1.210E-10	7.331E-11	3.705E-11	2.243E-11	1.504E-11	1.077E-11	8.090E-12	6.290E-12	5.025E-12	4.101E-12
SSW	1.294E-10	5.750E-11	3.483E-11	1.760E-11	1.065E-11	7.144E-12	5.119E-12	3.844E-12	2.989E-12	2.387E-12	1.949E-12
SW	6.032E-11	2.680E-11	1.623E-11	8.204E-12	4.966E-12	3.329E-12	2.386E-12	1.791E-12	1.393E-12	1.113E-12	9.081E-13
WSW	6.421E-11	2.852E-11	1.728E-11	8.783E-12	5.286E-12	3.544E-12	2.539E-12	1.907E-12	1.483E-12	1.184E-12	9.667E-13
W	8.560E-11	3.803E-11	2.303E-11	1.164E-11	7.047E-12	4.725E-12	3.386E-12	2.542E-12	1.977E-12	1.579E-12	1.289E-12
WNW	1.148E-10	5.098E-11	3.088E-11	1.561E-11	9.448E-12	6.334E-12	4.539E-12	3.408E-12	2.650E-12	2.117E-12	1.728E-12
NW	3.064E-10	1.361E-10	8.245E-11	4.167E-11	2.522E-11	1.691E-11	1.212E-11	9.099E-12	7.075E-12	5.652E-12	4.613E-12
NNW	4.612E-10	2.049E-10	1.241E-10	6.273E-11	3.797E-11	2.546E-11	1.824E-11	1.370E-11	1.065E-11	8.507E-12	6.944E-12
N	4.466E-10	1.984E-10	1.202E-10	6.075E-11	3.677E-11	2.465E-11	1.766E-11	1.326E-11	1.031E-11	8.238E-12	6.724E-12
NNE	2.394E-10	1.063E-10	6.442E-11	3.256E-11	1.971E-11	1.321E-11	9.468E-12	7.109E-12	5.528E-12	4.416E-12	3.604E-12
NE	9.634E-11	4.280E-11	2.593E-11	1.310E-11	7.931E-12	5.318E-12	3.810E-12	2.861E-12	2.225E-12	1.777E-12	1.451E-12
ENE	9.339E-11	4.149E-11	2.513E-11	1.270E-11	7.688E-12	5.155E-12	3.694E-12	2.774E-12	2.157E-12	1.723E-12	1.406E-12
E	1.216E-10	5.401E-11	3.272E-11	1.654E-11	1.001E-11	6.711E-12	4.809E-12	3.611E-12	2.868E-12	2.243E-12	1.831E-12
ESE	2.081E-10	9.246E-11	5.601E-11	2.831E-11	1.713E-11	1.149E-11	8.231E-12	6.181E-12	4.806E-12	3.839E-12	3.133E-12
SE	2.432E-10	1.080E-10	6.544E-11	3.308E-11	2.002E-11	1.342E-11	9.618E-12	7.222E-12	5.616E-12	4.486E-12	3.661E-12
SSE	3.426E-10	1.522E-10	9.219E-11	4.660E-11	2.820E-11	1.891E-11	1.355E-11	1.017E-11	7.911E-12	6.319E-12	5.158E-12

***** RELATIVE DEPOSITION PER UNIT AREA (MM²) BY DOWNWIND SECTORS *****

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	2.554E-08	5.232E-09	1.366E-09	6.134E-10	3.470E-10	1.335E-10	3.861E-11	1.530E-11	8.171E-12	5.058E-12
SSW	1.214E-08	2.486E-09	6.409E-10	2.915E-10	1.649E-10	6.341E-11	1.834E-11	7.270E-12	3.882E-12	2.403E-12
SW	5.656E-09	1.158E-09	3.024E-10	1.358E-10	7.684E-11	2.955E-11	8.549E-12	3.388E-12	1.809E-12	1.120E-12
WSW	6.021E-09	1.233E-09	3.219E-10	1.446E-10	8.180E-11	3.146E-11	9.100E-12	3.607E-12	1.926E-12	1.192E-12
W	8.027E-09	1.644E-09	4.292E-10	1.928E-10	1.091E-10	4.194E-11	1.213E-11	4.808E-12	2.568E-12	1.589E-12
WNW	1.076E-08	2.204E-09	5.754E-10	2.584E-10	1.462E-10	5.622E-11	1.626E-11	6.446E-12	3.442E-12	2.131E-12
NW	2.873E-08	5.885E-09	1.536E-09	6.900E-10	3.903E-10	1.501E-10	4.342E-11	1.721E-11	9.191E-12	5.689E-12
NNW	4.325E-08	8.858E-09	2.312E-09	1.039E-09	5.875E-10	2.259E-10	6.536E-11	2.591E-11	1.383E-11	8.563E-12
N	4.188E-08	8.575E-09	2.239E-09	1.006E-09	5.690E-10	2.188E-10	6.330E-11	2.599E-11	1.340E-11	8.292E-12
NNE	2.245E-08	4.598E-09	1.200E-09	5.391E-10	3.050E-10	1.173E-10	3.393E-11	1.345E-11	7.181E-12	4.445E-12
NE	9.034E-09	1.850E-09	4.831E-10	2.170E-10	1.227E-10	4.720E-11	1.365E-11	5.412E-12	2.890E-12	1.789E-12
ENE	8.757E-09	1.794E-09	4.683E-10	2.103E-10	1.190E-10	4.575E-11	1.324E-11	5.246E-12	2.801E-12	1.734E-12
E	1.140E-08	2.335E-09	6.896E-10	2.738E-10	1.549E-10	5.957E-11	1.723E-11	6.830E-12	3.647E-12	2.257E-12
ESE	1.952E-08	3.997E-09	1.044E-09	4.687E-10	2.651E-10	1.020E-10	2.950E-11	1.169E-11	6.243E-12	3.864E-12
SE	2.280E-08	4.671E-09	1.219E-09	5.476E-10	3.098E-10	1.191E-10	3.447E-11	1.366E-11	7.295E-12	4.515E-12
SSE	3.212E-08	6.580E-09	1.718E-09	7.715E-10	4.364E-10	1.678E-10	4.855E-11	1.924E-11	1.028E-11	6.360E-12

VENTS GROUND LEVEL RELEASES - JUL-DEC 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q			D/Q (PER SQ.METER)
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	
			NO DECAY			2.260 DAY DECAY	8.000 DAY DECAY	
				UNDEPLETED	UNDEPLETED	DEPLETED		
A	SITE BOUNDARY	S	0.80	1287.	6.060E-06	6.038E-06	5.374E-06	2.222E-08
A	SITE BOUNDARY	SSW	0.82	1327.	3.170E-06	3.158E-06	2.806E-06	9.743E-09
A	SITE BOUNDARY	SW	0.98	1569.	8.849E-07	8.808E-07	7.749E-07	2.936E-09
A	SITE BOUNDARY	WSW	0.93	1489.	9.995E-07	9.954E-07	8.784E-07	3.578E-09
A	SITE BOUNDARY	W	0.91	1468.	1.129E-06	1.125E-06	9.933E-07	4.950E-09
A	SITE BOUNDARY	WNW	0.94	1509.	1.158E-06	1.154E-06	1.017E-06	6.178E-09
A	SITE BOUNDARY	NW	0.81	1307.	4.955E-06	4.940E-06	4.391E-06	2.400E-08
A	SITE BOUNDARY	NNW	0.69	1106.	1.387E-05	1.383E-05	1.241E-05	5.124E-08
A	SITE BOUNDARY	N	0.67	1086.	1.285E-05	1.281E-05	1.151E-05	5.116E-08
A	SITE BOUNDARY	NNE	0.60	965.	9.082E-06	9.056E-06	8.192E-06	3.323E-08
A	SITE BOUNDARY	NE	0.62	1005.	3.530E-06	3.519E-06	3.174E-06	1.257E-08
A	SITE BOUNDARY	ENE	0.59	945.	3.290E-06	3.282E-06	2.972E-06	1.342E-08
A	SITE BOUNDARY	E	0.53	845.	3.561E-06	3.554E-06	3.241E-06	2.098E-08
A	SITE BOUNDARY	ESE	0.54	865.	4.914E-06	4.905E-06	4.465E-06	3.456E-08
A	SITE BOUNDARY	SE	0.65	1046.	5.819E-06	5.803E-06	5.222E-06	2.967E-08
A	SITE BOUNDARY	SSE	0.81	1307.	7.826E-06	7.795E-06	6.933E-06	2.684E-08
A	NEAR. RESIDENCE	SW	1.30	2092.	4.598E-07	4.569E-07	3.943E-07	1.411E-09
A	NEAR. RESIDENCE	WSW	1.30	2092.	4.565E-07	4.538E-07	3.914E-07	1.502E-09
A	NEAR. RESIDENCE	W	1.00	1609.	9.081E-07	9.043E-07	7.940E-07	3.904E-09
A	NEAR. RESIDENCE	WNW	1.60	2575.	3.406E-07	3.386E-07	2.872E-07	1.604E-09
A	NEAR. RESIDENCE	NW	0.98	1448.	3.858E-06	3.846E-06	3.398E-06	1.836E-08
A	NEAR. RESIDENCE	NNW	1.90	3058.	1.528E-06	1.516E-06	1.269E-06	4.240E-09
A	NEAR. RESIDENCE	N	3.00	4828.	5.706E-07	5.631E-07	4.515E-07	1.399E-09
A	NEAR. RESIDENCE	NNE	2.70	4345.	4.034E-07	3.981E-07	3.229E-07	9.569E-10
A	NEAR. RESIDENCE	ENE	1.70	2736.	3.588E-07	3.561E-07	3.008E-07	1.125E-09
A	NEAR. RESIDENCE	E	1.80	2897.	2.784E-07	2.765E-07	2.323E-07	1.274E-09
A	NEAR. RESIDENCE	ESE	2.40	3863.	2.199E-07	2.181E-07	1.785E-07	1.096E-09
A	NEAREST COW	NNW	3.50	5633.	4.626E-07	4.554E-07	3.594E-07	1.016E-09
A	NEAREST GARDEN	SW	1.30	2092.	4.598E-07	4.569E-07	3.943E-07	1.411E-09
A	NEAREST GARDEN	WSW	1.80	2897.	2.240E-07	2.222E-07	1.868E-07	6.729E-10
A	NEAREST GARDEN	WNW	1.60	2575.	3.406E-07	3.386E-07	2.872E-07	1.604E-09
A	NEAREST GARDEN	NW	2.80	4506.	3.348E-07	3.312E-07	2.672E-07	1.126E-09
A	NEAREST GARDEN	NNW	1.90	3058.	1.528E-06	1.516E-06	1.269E-06	4.240E-09
A	NEAREST GARDEN	N	3.00	4828.	5.706E-07	5.631E-07	4.515E-07	1.399E-09
A	NEAREST GARDEN	ENE	1.70	2736.	3.588E-07	3.561E-07	3.008E-07	1.125E-09
A	NEAREST GARDEN	E	1.80	2897.	2.784E-07	2.765E-07	2.323E-07	1.274E-09
A	NEAREST GARDEN	ESE	2.40	3863.	2.199E-07	2.181E-07	1.785E-07	1.096E-09

B275

Atmospheric Diffusion Estimates

Ground Level Releases

January-December 1995

VENTS GROUND LEVEL RELEASES - JAN-DEC 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	3.840E-05	1.276E-05	6.740E-06	3.353E-06	1.340E-06	7.239E-07	4.581E-07	3.194E-07	2.377E-07	1.853E-07	1.496E-07
SSW	2.487E-05	8.052E-06	4.240E-06	2.118E-06	8.548E-07	4.645E-07	2.953E-07	2.066E-07	1.542E-07	1.205E-07	9.747E-08
SW	1.201E-05	4.050E-06	2.153E-06	1.071E-06	4.246E-07	2.280E-07	1.436E-07	9.981E-08	7.407E-08	5.761E-08	4.640E-08
WSW	8.789E-06	2.908E-06	1.541E-06	7.671E-07	3.040E-07	1.632E-07	1.028E-07	7.139E-08	5.296E-08	4.117E-08	3.315E-08
W	9.098E-06	3.081E-06	1.630E-06	8.098E-07	3.209E-07	1.722E-07	1.084E-07	7.529E-08	5.583E-08	4.339E-08	3.492E-08
WNW	1.126E-05	3.771E-06	1.978E-06	9.766E-07	3.829E-07	2.041E-07	1.278E-07	8.844E-08	6.538E-08	5.069E-08	4.071E-08
NW	3.033E-05	1.005E-05	5.317E-06	2.648E-06	1.062E-06	5.746E-07	3.642E-07	2.543E-07	1.894E-07	1.478E-07	1.194E-07
NNW	5.841E-05	1.874E-05	9.983E-06	5.028E-06	2.057E-06	1.128E-06	7.220E-07	5.079E-07	3.808E-07	2.987E-07	2.424E-07
N	6.555E-05	2.068E-05	1.104E-05	5.585E-06	2.297E-06	1.264E-06	8.109E-07	5.717E-07	4.293E-07	3.372E-07	2.740E-07
NNE	4.105E-05	1.295E-05	6.912E-06	3.490E-06	1.428E-06	7.835E-07	5.016E-07	3.530E-07	2.647E-07	2.077E-07	1.686E-07
NE	1.750E-05	5.546E-06	2.937E-06	1.477E-06	6.042E-07	3.312E-07	2.119E-07	1.491E-07	1.118E-07	8.766E-08	7.113E-08
ENE	1.126E-05	3.700E-06	2.004E-06	1.012E-06	4.967E-07	2.203E-07	1.396E-07	9.750E-08	7.263E-08	5.667E-08	4.577E-08
E	1.089E-05	3.614E-06	1.926E-06	9.640E-07	3.869E-07	2.094E-07	1.327E-07	9.264E-08	6.900E-08	5.383E-08	4.347E-08
ESE	1.706E-05	5.791E-06	3.165E-06	1.598E-06	6.345E-07	3.408E-07	2.147E-07	1.491E-07	1.106E-07	8.592E-08	6.916E-08
SE	3.239E-05	1.078E-05	5.772E-06	2.895E-06	1.161E-06	6.281E-07	3.979E-07	2.777E-07	2.067E-07	1.612E-07	1.302E-07
SSE	6.056E-05	1.941E-05	1.023E-05	5.126E-06	2.092E-06	1.145E-06	7.321E-07	5.147E-07	3.856E-07	3.023E-07	2.452E-07

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.241E-07	6.433E-08	4.197E-08	2.434E-08	1.463E-08	1.241E-08	9.778E-09	8.003E-09	6.733E-09	5.784E-09	5.052E-09
SSW	8.098E-08	4.227E-08	2.771E-08	1.616E-08	1.108E-08	8.289E-09	6.548E-09	5.369E-09	4.524E-09	3.892E-09	3.404E-09
SW	3.842E-08	1.982E-08	1.288E-08	7.431E-09	5.059E-09	3.763E-09	2.959E-09	2.417E-09	2.030E-09	1.742E-09	1.519E-09
WSW	2.743E-08	1.410E-08	9.151E-09	5.268E-09	3.585E-09	2.666E-09	2.096E-09	1.712E-09	1.438E-09	1.233E-09	1.076E-09
W	2.888E-08	1.482E-08	9.601E-09	5.508E-09	3.733E-09	2.767E-09	2.170E-09	1.769E-09	1.483E-09	1.270E-09	1.106E-09
WNW	3.362E-08	1.719E-08	1.111E-08	6.362E-09	4.318E-09	3.204E-09	2.516E-09	2.052E-09	1.722E-09	1.476E-09	1.287E-09
NW	9.907E-08	5.148E-08	3.365E-08	1.955E-08	1.337E-08	9.986E-09	7.876E-09	6.450E-09	5.429E-09	4.666E-09	4.077E-09
NNW	2.020E-07	1.064E-07	7.022E-08	4.129E-08	2.845E-08	2.135E-08	1.691E-08	1.389E-08	1.173E-08	1.010E-08	8.845E-09
N	2.285E-07	1.209E-07	7.997E-08	4.719E-08	3.259E-08	2.451E-08	1.944E-08	1.599E-08	1.351E-08	1.165E-08	1.021E-08
NNE	1.405E-07	7.413E-08	4.895E-08	2.884E-08	1.990E-08	1.495E-08	1.185E-08	9.749E-09	8.235E-09	7.098E-09	6.218E-09
NE	5.926E-08	3.125E-08	2.062E-08	1.214E-08	8.371E-09	6.288E-09	4.983E-09	4.097E-09	3.460E-09	2.983E-09	2.613E-09
ENE	3.798E-08	1.971E-08	1.287E-08	7.460E-09	5.092E-09	3.794E-09	2.987E-09	2.442E-09	2.052E-09	1.761E-09	1.537E-09
E	3.607E-08	1.872E-08	1.222E-08	7.088E-09	4.838E-09	3.605E-09	2.839E-09	2.322E-09	1.952E-09	1.676E-09	1.463E-09
ESE	5.720E-08	2.933E-08	1.898E-08	1.086E-08	7.349E-09	5.437E-09	4.256E-09	3.462E-09	2.898E-09	2.477E-09	2.154E-09
SE	1.080E-07	5.596E-08	3.649E-08	2.113E-08	1.441E-08	1.073E-08	8.449E-09	6.908E-09	5.805E-09	4.982E-09	4.347E-09
SSE	2.043E-07	1.076E-07	7.095E-08	4.173E-08	2.877E-08	2.161E-08	1.712E-08	1.408E-08	1.189E-08	1.025E-08	8.974E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.573E-06	1.514E-06	4.735E-07	2.411E-07	1.507E-07	6.767E-08	2.483E-08	1.248E-08	8.026E-09	5.794E-09
SSW	4.144E-06	9.621E-07	3.049E-07	1.563E-07	9.819E-08	4.440E-08	1.647E-08	8.337E-09	5.384E-09	3.899E-09
SW	2.094E-06	4.809E-07	1.486E-07	7.516E-08	4.677E-08	2.087E-08	7.588E-09	3.787E-09	2.425E-09	1.745E-09
WSW	1.501E-06	3.443E-07	1.063E-07	5.373E-08	3.341E-08	1.486E-08	5.382E-09	2.683E-09	1.717E-09	1.235E-09
W	1.588E-06	3.635E-07	1.122E-07	5.665E-08	3.519E-08	1.563E-08	5.629E-09	2.786E-09	1.775E-09	1.273E-09
WNW	1.931E-06	4.353E-07	1.324E-07	6.637E-08	4.104E-08	1.814E-08	6.508E-09	3.226E-09	2.059E-09	1.479E-09
NW	5.184E-06	1.198E-06	3.763E-07	1.921E-07	1.203E-07	5.413E-08	1.994E-08	1.005E-08	6.469E-09	4.674E-09
NNW	9.727E-06	2.304E-06	7.447E-07	3.859E-07	2.441E-07	1.116E-07	4.201E-08	2.147E-08	1.393E-08	1.012E-08
N	1.076E-05	2.568E-06	8.360E-07	4.349E-07	2.759E-07	1.266E-07	4.799E-08	2.464E-08	1.603E-08	1.167E-08
NNE	6.734E-06	1.600E-06	5.173E-07	2.602E-07	1.697E-07	7.768E-08	2.934E-08	1.503E-08	9.774E-09	7.109E-09
NE	2.868E-06	6.769E-07	2.186E-07	1.132E-07	7.163E-08	3.275E-08	1.235E-08	6.321E-09	4.108E-09	2.987E-09
ENE	1.940E-06	4.584E-07	1.443E-07	7.366E-08	4.611E-08	2.073E-08	7.610E-09	3.817E-09	2.449E-09	1.765E-09
E	1.873E-06	4.362E-07	1.371E-07	6.998E-08	4.380E-08	1.969E-08	7.230E-09	3.628E-09	2.329E-09	1.679E-09
ESE	3.052E-06	7.180E-07	2.221E-07	1.122E-07	6.979E-08	3.092E-08	1.111E-08	5.474E-09	3.674E-09	2.482E-09
SE	5.606E-06	1.310E-06	4.112E-07	2.097E-07	1.311E-07	5.886E-08	2.156E-08	1.080E-08	6.928E-09	4.991E-09
SSE	1.000E-05	2.345E-06	7.553E-07	3.907E-07	2.470E-07	1.128E-07	4.246E-08	2.172E-08	1.411E-08	1.026E-08

VENTS GROUND LEVEL RELEASES - JAN-DEC 1995
2.260 DAY DECAY, UNDEPLETED
CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES											
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	
SECTOR	S	3.836E-05	1.273E-05	6.717E-06	3.338E-06	1.331E-06	7.171E-07	4.527E-07	3.149E-07	2.338E-07	1.818E-07	1.464E-07
	SSW	2.484E-05	8.032E-06	4.224E-06	2.107E-06	8.482E-07	4.596E-07	2.914E-07	2.033E-07	1.513E-07	1.179E-07	9.513E-08
	SW	1.200E-05	4.040E-06	2.145E-06	1.066E-06	4.213E-07	2.256E-07	1.418E-07	9.825E-08	7.271E-08	5.640E-08	4.530E-08
	WSW	8.779E-06	2.901E-06	1.535E-06	7.635E-07	3.019E-07	1.616E-07	1.015E-07	7.034E-08	5.205E-08	4.036E-08	3.241E-08
	W	9.089E-06	3.074E-06	1.625E-06	8.065E-07	3.189E-07	1.707E-07	1.073E-07	7.431E-08	5.498E-08	4.263E-08	3.423E-08
	WNW	1.125E-05	3.764E-06	1.973E-06	9.731E-07	3.808E-07	2.026E-07	1.267E-07	8.744E-08	6.452E-08	4.992E-08	4.001E-08
	NW	3.030E-05	1.004E-05	5.301E-06	2.638E-06	1.056E-06	5.701E-07	3.606E-07	2.512E-07	1.867E-07	1.454E-07	1.172E-07
	NNW	5.833E-05	1.869E-05	9.946E-06	5.004E-06	2.842E-06	1.117E-06	7.129E-07	5.003E-07	3.741E-07	2.927E-07	2.369E-07
	N	6.546E-05	2.063E-05	1.100E-05	5.557E-06	2.280E-06	1.251E-06	8.009E-07	5.631E-07	4.218E-07	3.305E-07	2.678E-07
	NNE	4.100E-05	1.292E-05	6.885E-06	3.472E-06	1.417E-06	7.753E-07	4.950E-07	3.474E-07	2.598E-07	2.033E-07	1.645E-07
	NE	1.748E-05	5.532E-06	2.925E-06	1.470E-06	5.993E-07	3.276E-07	2.091E-07	1.466E-07	1.096E-07	8.574E-08	6.938E-08
	ENE	1.124E-05	3.691E-06	1.997E-06	1.008E-06	4.038E-07	2.182E-07	1.380E-07	9.609E-08	7.141E-08	5.557E-08	4.477E-08
	E	1.088E-05	3.606E-06	1.920E-06	9.601E-07	3.845E-07	2.077E-07	1.313E-07	9.147E-08	6.798E-08	5.291E-08	4.264E-08
	ESE	1.704E-05	5.780E-06	3.156E-06	1.592E-06	6.308E-07	3.381E-07	2.125E-07	1.473E-07	1.090E-07	8.456E-08	6.791E-08
	SE	3.235E-05	1.076E-05	5.754E-06	2.883E-06	1.154E-06	6.226E-07	3.935E-07	2.739E-07	2.035E-07	1.583E-07	1.275E-07
	SSE	6.048E-05	1.936E-05	1.020E-05	5.101E-06	2.076E-06	1.133E-06	7.226E-07	5.066E-07	3.785E-07	2.959E-07	2.394E-07

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES											
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	
BEARING	S	1.211E-07	6.200E-08	3.995E-08	2.259E-08	1.506E-08	1.096E-08	8.426E-09	6.731E-09	5.528E-09	4.636E-09	3.954E-09
	SSW	7.882E-08	4.057E-08	2.622E-08	1.488E-08	9.921E-09	7.219E-09	5.549E-09	4.428E-09	3.633E-09	3.043E-09	2.591E-09
	SW	3.741E-08	1.903E-08	1.220E-08	6.850E-09	4.539E-09	3.287E-09	2.516E-09	2.002E-09	1.637E-09	1.368E-09	1.163E-09
	WSW	2.675E-08	1.358E-08	8.698E-09	4.880E-09	3.237E-09	2.347E-09	1.800E-09	1.434E-09	1.175E-09	9.836E-10	8.374E-10
	W	2.825E-08	1.433E-08	9.176E-09	5.144E-09	3.406E-09	2.468E-09	1.891E-09	1.507E-09	1.235E-09	1.034E-09	8.810E-10
	WNW	3.298E-08	1.669E-08	1.067E-08	5.991E-09	3.933E-09	2.897E-09	2.228E-09	1.782E-09	1.466E-09	1.231E-09	1.052E-09
	NW	9.705E-08	4.989E-08	3.225E-08	1.833E-08	1.227E-08	8.966E-09	6.921E-09	5.549E-09	4.572E-09	3.848E-09	3.292E-09
	NNW	1.968E-07	1.024E-07	6.668E-08	3.820E-08	2.565E-08	1.877E-08	1.449E-08	1.161E-08	9.561E-09	8.037E-09	6.867E-09
	N	2.228E-07	1.164E-07	7.599E-08	4.372E-08	2.944E-08	2.159E-08	1.671E-08	1.341E-08	1.106E-08	9.313E-09	7.968E-09
	NNE	1.367E-07	7.119E-08	4.638E-08	2.659E-08	1.787E-08	1.308E-08	1.010E-08	8.095E-09	6.665E-09	5.602E-09	4.785E-09
	NE	5.764E-08	2.996E-08	1.950E-08	1.116E-08	7.484E-09	5.469E-09	4.217E-09	3.375E-09	2.775E-09	2.329E-09	1.987E-09
	ENE	3.706E-08	1.900E-08	1.225E-08	6.928E-09	4.614E-09	3.356E-09	2.579E-09	2.059E-09	1.691E-09	1.418E-09	1.209E-09
	E	3.530E-08	1.812E-08	1.170E-08	6.630E-09	4.425E-09	3.224E-09	2.483E-09	1.987E-09	1.634E-09	1.373E-09	1.173E-09
	ESE	5.606E-08	2.845E-08	1.822E-08	1.021E-08	6.766E-09	4.903E-09	3.761E-09	2.998E-09	2.459E-09	2.061E-09	1.758E-09
	SE	1.055E-07	5.404E-08	3.482E-08	1.968E-08	1.311E-08	9.534E-09	7.329E-09	5.853E-09	4.806E-09	4.031E-09	3.438E-09
	SSE	1.988E-07	1.033E-07	6.718E-08	3.844E-08	2.579E-08	1.885E-08	1.454E-08	1.164E-08	9.573E-09	8.038E-09	6.860E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.552E-06	1.504E-06	4.681E-07	2.371E-07	1.475E-07	6.533E-08	2.310E-08	1.104E-08	6.757E-09	4.648E-09
SSW	4.129E-06	9.553E-07	3.010E-07	1.535E-07	9.585E-08	4.269E-08	1.520E-08	7.272E-09	4.445E-09	3.050E-09
SW	2.087E-06	4.776E-07	1.467E-07	7.380E-08	4.567E-08	2.808E-08	7.013E-09	3.312E-09	2.010E-09	1.372E-09
WSW	1.496E-06	3.421E-07	1.051E-07	5.282E-08	3.267E-08	1.434E-08	4.998E-09	2.366E-09	1.440E-09	9.862E-10
W	1.583E-06	3.614E-07	1.110E-07	5.580E-08	3.450E-08	1.513E-08	5.268E-09	2.488E-09	1.513E-09	1.037E-09
WNW	1.927E-06	4.332E-07	1.312E-07	6.550E-08	4.034E-08	1.764E-08	6.139E-09	2.919E-09	1.789E-09	1.235E-09
NW	5.170E-06	1.192E-06	3.727E-07	1.894E-07	1.181E-07	5.253E-08	1.873E-08	9.030E-09	5.569E-09	3.857E-09
NNW	9.693E-06	2.289E-06	7.356E-07	3.791E-07	2.386E-07	1.075E-07	3.895E-08	1.889E-08	1.165E-08	8.055E-09
N	1.072E-05	2.551E-06	8.259E-07	4.274E-07	2.697E-07	1.221E-07	4.455E-08	2.173E-08	1.346E-08	9.333E-09
NNE	6.710E-06	1.589E-06	5.107E-07	2.633E-07	1.657E-07	7.473E-08	2.711E-08	1.316E-08	8.123E-09	5.614E-09
NE	2.857E-06	6.719E-07	2.157E-07	1.111E-07	6.980E-08	3.146E-08	1.138E-08	5.505E-09	3.387E-09	2.334E-09
ENE	1.934E-06	4.555E-07	1.426E-07	7.243E-08	4.512E-08	2.081E-08	7.083E-09	3.361E-09	2.068E-09	1.421E-09
E	1.868E-06	4.338E-07	1.357E-07	6.895E-08	4.296E-08	1.908E-08	6.776E-09	3.248E-09	1.994E-09	1.376E-09
ESE	3.044E-06	7.143E-07	2.199E-07	1.106E-07	6.845E-08	3.004E-08	1.046E-08	4.943E-09	3.011E-09	2.067E-09
SE	5.589E-06	1.302E-06	4.068E-07	2.064E-07	1.285E-07	5.693E-08	2.012E-08	9.605E-09	5.876E-09	4.041E-09
SSE	9.967E-06	2.329E-06	7.457E-07	3.836E-07	2.411E-07	1.085E-07	3.920E-08	1.897E-08	1.168E-08	8.056E-09

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VENTS GROUND LEVEL RELEASES - JAN-DEC 1995
 8.000 DAY DECAY, DEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES											
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	
SECTOR												
S	3.633E-05	1.165E-05	6.000E-06	2.931E-06	1.136E-06	5.978E-07	3.698E-07	2.527E-07	1.846E-07	1.415E-07	1.124E-07	
SSW	2.353E-05	7.348E-06	3.775E-06	1.851E-06	7.244E-07	3.835E-07	2.383E-07	1.634E-07	1.197E-07	9.194E-08	7.319E-08	
SW	1.137E-05	3.696E-06	1.917E-06	9.365E-07	3.598E-07	1.882E-07	1.159E-07	7.893E-08	5.750E-08	4.396E-08	3.485E-08	
WSW	8.316E-06	2.654E-06	1.372E-06	6.706E-07	2.577E-07	1.348E-07	8.296E-08	5.647E-08	4.112E-08	3.143E-08	2.490E-08	
W	8.608E-06	2.811E-06	1.451E-06	7.080E-07	2.721E-07	1.423E-07	8.756E-08	5.958E-08	4.337E-08	3.314E-08	2.625E-08	
WNW	1.065E-05	3.442E-06	1.761E-06	8.540E-07	3.247E-07	1.686E-07	1.033E-07	7.002E-08	5.082E-08	3.874E-08	3.063E-08	
NW	2.870E-05	9.177E-06	4.734E-06	2.316E-06	9.003E-07	4.747E-07	2.942E-07	2.013E-07	1.472E-07	1.129E-07	8.979E-08	
NNW	5.526E-05	1.710E-05	8.887E-06	4.395E-06	1.743E-06	9.314E-07	5.827E-07	4.017E-07	2.956E-07	2.280E-07	1.821E-07	
N	6.201E-05	1.887E-05	9.830E-06	4.882E-06	1.946E-06	1.044E-06	6.546E-07	4.522E-07	3.333E-07	2.574E-07	2.058E-07	
NNE	3.884E-05	1.182E-05	6.153E-06	3.051E-06	1.210E-06	6.469E-07	4.048E-07	2.791E-07	2.054E-07	1.585E-07	1.266E-07	
NE	1.656E-05	5.061E-06	2.614E-06	1.291E-06	5.119E-07	2.734E-07	1.710E-07	1.179E-07	8.672E-08	6.687E-08	5.340E-08	
ENE	1.065E-05	3.377E-06	1.784E-06	8.850E-07	3.447E-07	1.819E-07	1.127E-07	7.713E-08	5.640E-08	4.326E-08	3.439E-08	
E	1.031E-05	3.298E-06	1.715E-06	8.429E-07	3.280E-07	1.730E-07	1.072E-07	7.332E-08	5.361E-08	4.112E-08	3.269E-08	
ESE	1.614E-05	5.285E-06	2.818E-06	1.397E-06	5.380E-07	2.816E-07	1.734E-07	1.180E-07	8.593E-08	6.566E-08	5.202E-08	
SE	3.064E-05	9.837E-06	5.139E-06	2.531E-06	9.843E-07	5.188E-07	3.213E-07	2.197E-07	1.606E-07	1.231E-07	9.784E-08	
SSE	5.730E-05	1.771E-05	9.110E-06	4.481E-06	1.772E-06	9.454E-07	5.988E-07	4.070E-07	2.993E-07	2.307E-07	1.842E-07	

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES											
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	
BEARING												
S	9.184E-08	4.488E-08	2.781E-08	1.482E-08	9.439E-09	6.622E-09	4.939E-09	3.842E-09	3.082E-09	2.531E-09	2.118E-09	
SSW	5.990E-08	2.945E-08	1.832E-08	9.814E-09	6.269E-09	4.407E-09	3.291E-09	2.563E-09	2.057E-09	1.691E-09	1.415E-09	
SW	2.842E-08	1.381E-08	8.522E-09	4.514E-09	2.864E-09	2.003E-09	1.489E-09	1.155E-09	9.248E-10	7.579E-10	6.329E-10	
WSW	2.030E-08	9.837E-09	6.059E-09	3.205E-09	2.033E-09	1.422E-09	1.058E-09	8.208E-10	6.572E-10	5.389E-10	4.503E-10	
W	2.140E-08	1.035E-08	6.367E-09	3.359E-09	2.123E-09	1.481E-09	1.100E-09	8.524E-10	6.817E-10	5.584E-10	4.662E-10	
WNW	2.493E-08	1.202E-08	7.378E-09	3.889E-09	2.464E-09	1.722E-09	1.281E-09	9.943E-10	7.965E-10	6.535E-10	5.464E-10	
NW	7.342E-08	3.597E-08	2.233E-08	1.193E-08	7.619E-09	5.355E-09	4.000E-09	3.116E-09	2.503E-09	2.058E-09	1.724E-09	
NNW	1.495E-07	7.421E-08	4.648E-08	2.511E-08	1.612E-08	1.138E-08	8.526E-09	6.656E-09	5.355E-09	4.410E-09	3.698E-09	
N	1.691E-07	8.431E-08	5.295E-08	2.871E-08	1.848E-08	1.307E-08	9.808E-09	7.668E-09	6.177E-09	5.091E-09	4.273E-09	
NNE	1.039E-07	5.166E-08	3.238E-08	1.752E-08	1.127E-08	7.959E-09	5.967E-09	4.661E-09	3.753E-09	3.091E-09	2.593E-09	
NE	4.383E-08	2.177E-08	1.363E-08	7.367E-09	4.733E-09	3.341E-09	2.503E-09	1.955E-09	1.573E-09	1.295E-09	1.086E-09	
ENE	2.811E-08	1.375E-08	8.525E-09	4.542E-09	2.890E-09	2.026E-09	1.509E-09	1.173E-09	9.402E-10	7.715E-10	6.451E-10	
E	2.672E-08	1.308E-08	8.110E-09	4.324E-09	2.753E-09	1.931E-09	1.440E-09	1.120E-09	8.984E-10	7.378E-10	6.174E-10	
ESE	4.240E-08	2.050E-08	1.260E-08	6.637E-09	4.190E-09	2.920E-09	2.165E-09	1.676E-09	1.339E-09	1.096E-09	9.138E-10	
SE	7.995E-08	3.966E-08	2.419E-08	1.287E-08	8.190E-09	5.739E-09	4.275E-09	3.322E-09	2.663E-09	2.185E-09	1.827E-09	
SSE	1.511E-07	7.496E-08	4.693E-08	2.534E-08	1.628E-08	1.149E-08	8.609E-09	6.722E-09	5.409E-09	4.454E-09	3.734E-09	

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES										
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50	
S	5.651E-06	1.296E-06	3.838E-07	1.876E-07	1.134E-07	4.773E-08	1.531E-08	6.700E-09	3.866E-09	2.541E-09	
SSW	3.714E-06	8.233E-07	2.470E-07	1.216E-07	7.382E-08	3.127E-08	1.013E-08	4.457E-09	2.578E-09	1.697E-09	
SW	1.877E-06	4.117E-07	1.204E-07	5.846E-08	3.517E-08	1.471E-08	4.672E-09	2.027E-09	1.163E-09	7.611E-10	
WSW	1.345E-06	2.948E-07	8.617E-08	4.181E-08	2.513E-08	1.048E-08	3.318E-09	1.439E-09	8.261E-10	5.411E-10	
W	1.423E-06	3.113E-07	9.895E-08	4.411E-08	2.649E-08	1.103E-08	3.478E-09	1.500E-09	8.580E-10	5.608E-10	
WNW	1.732E-06	3.729E-07	1.074E-07	5.171E-08	3.092E-08	1.282E-08	4.031E-09	1.743E-09	1.001E-09	6.562E-10	
NW	4.647E-06	1.026E-06	3.052E-07	1.496E-07	9.058E-08	3.823E-08	1.233E-08	5.417E-09	3.135E-09	2.066E-09	
NNW	8.716E-06	1.972E-06	6.033E-07	3.002E-07	1.836E-07	7.861E-08	2.587E-08	1.150E-08	6.695E-09	4.426E-09	
N	9.639E-06	2.197E-06	6.773E-07	3.383E-07	2.075E-07	8.922E-08	2.955E-08	1.321E-08	7.711E-09	5.110E-09	
NNE	6.034E-06	1.369E-06	4.191E-07	2.086E-07	1.276E-07	5.471E-08	1.804E-08	8.044E-09	4.888E-09	3.103E-09	
NE	2.570E-06	5.791E-07	1.771E-07	8.806E-08	5.385E-08	2.305E-08	7.589E-09	3.377E-09	1.966E-09	1.300E-09	
ENE	1.738E-06	3.924E-07	1.169E-07	5.732E-08	3.469E-08	1.462E-08	4.693E-09	2.050E-09	1.180E-09	7.747E-10	
E	1.679E-06	3.735E-07	1.112E-07	5.449E-08	3.298E-08	1.390E-08	4.467E-09	1.954E-09	1.127E-09	7.408E-10	
ESE	2.735E-06	6.149E-07	1.801E-07	8.738E-08	5.250E-08	2.186E-08	6.875E-09	2.957E-09	1.687E-09	1.100E-09	
SE	5.024E-06	1.121E-06	3.333E-07	1.632E-07	9.871E-08	4.154E-08	1.331E-08	5.807E-09	3.343E-09	2.194E-09	
SSE	8.964E-06	2.007E-06	6.118E-07	3.039E-07	1.857E-07	7.942E-08	2.611E-08	1.161E-08	6.761E-09	4.470E-09	

VENTS GROUND LEVEL RELEASES - JAN-DEC 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION

***** RELATIVE DEPOSITION PER UNIT AREA (MM ³ -2) AT FIXED POINTS BY DOWNWIND SECTORS *****											
DIRECTION FROM SITE	DISTANCES IN MILES										
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
S	1.814E-07	6.134E-08	3.149E-08	1.497E-08	5.378E-09	2.667E-09	1.570E-09	1.028E-09	7.236E-10	5.362E-10	4.132E-10
SSW	9.133E-08	3.088E-08	1.586E-08	7.538E-09	2.708E-09	1.343E-09	7.907E-10	5.177E-10	3.643E-10	2.780E-10	2.081E-10
SW	5.333E-08	1.803E-08	9.260E-09	4.402E-09	1.581E-09	7.842E-10	4.618E-10	3.024E-10	2.127E-10	1.577E-10	1.215E-10
WSW	4.507E-08	1.524E-08	7.825E-09	3.720E-09	1.336E-09	6.627E-10	3.902E-10	2.555E-10	1.798E-10	1.332E-10	1.027E-10
W	5.054E-08	1.709E-08	8.776E-09	4.172E-09	1.499E-09	7.432E-10	4.376E-10	2.865E-10	2.016E-10	1.494E-10	1.151E-10
WNW	7.908E-08	2.674E-08	1.373E-08	6.528E-09	2.345E-09	1.163E-09	6.847E-10	4.483E-10	3.155E-10	2.338E-10	1.802E-10
NW	1.777E-07	6.010E-08	3.086E-08	1.467E-08	5.270E-09	2.613E-09	1.539E-09	1.008E-09	7.090E-10	5.254E-10	4.049E-10
NNW	2.140E-07	7.237E-08	3.716E-08	1.767E-08	6.346E-09	3.147E-09	1.853E-09	1.213E-09	8.538E-10	6.327E-10	4.876E-10
N	2.451E-07	8.288E-08	4.256E-08	2.023E-08	7.267E-09	3.604E-09	2.122E-09	1.390E-09	9.778E-10	7.246E-10	5.584E-10
NNE	1.494E-07	5.053E-08	2.594E-08	1.233E-08	4.430E-09	2.197E-09	1.294E-09	8.471E-10	5.960E-10	4.417E-10	3.404E-10
NE	6.008E-08	2.029E-08	1.042E-08	4.952E-09	1.779E-09	8.822E-10	5.195E-10	3.401E-10	2.393E-10	1.774E-10	1.367E-10
ENE	5.031E-08	1.701E-08	8.736E-09	4.153E-09	1.492E-09	7.398E-10	4.356E-10	2.852E-10	2.007E-10	1.487E-10	1.146E-10
E	6.593E-08	2.230E-08	1.145E-08	5.462E-09	1.955E-09	9.695E-10	5.799E-10	3.738E-10	2.630E-10	1.949E-10	1.502E-10
ESE	1.165E-07	3.939E-08	2.022E-08	9.614E-09	3.453E-09	1.713E-09	1.008E-09	6.603E-10	4.646E-10	3.443E-10	2.654E-10
SE	1.822E-07	6.161E-08	3.163E-08	1.504E-08	5.402E-09	2.679E-09	1.577E-09	1.033E-09	7.268E-10	5.386E-10	4.151E-10
SSE	2.583E-07	8.464E-08	4.346E-08	2.066E-08	7.422E-09	3.680E-09	2.167E-09	1.419E-09	9.985E-10	7.400E-10	5.702E-10

DIRECTION FROM SITE	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	3.283E-10	1.458E-10	8.834E-11	4.465E-11	2.703E-11	1.812E-11	1.298E-11	9.749E-12	7.580E-12	6.055E-12	4.943E-12
SSW	1.653E-10	7.343E-11	4.448E-11	2.248E-11	1.361E-11	9.123E-12	6.537E-12	4.909E-12	3.817E-12	3.049E-12	2.489E-12
SW	9.652E-11	4.288E-11	2.597E-11	1.313E-11	7.946E-12	5.328E-12	3.810E-12	2.867E-12	2.229E-12	1.780E-12	1.453E-12
WSW	8.157E-11	3.623E-11	2.195E-11	1.109E-11	6.715E-12	4.502E-12	3.226E-12	2.422E-12	1.883E-12	1.505E-12	1.228E-12
W	9.148E-11	4.064E-11	2.462E-11	1.244E-11	7.531E-12	5.049E-12	3.618E-12	2.717E-12	2.112E-12	1.687E-12	1.377E-12
WNW	1.431E-10	6.358E-11	3.852E-11	1.947E-11	1.178E-11	7.900E-12	5.661E-12	4.251E-12	3.305E-12	2.640E-12	2.155E-12
NW	3.217E-10	1.429E-10	8.656E-11	4.375E-11	2.648E-11	1.775E-11	1.272E-11	9.553E-12	7.428E-12	5.933E-12	4.843E-12
NNW	3.874E-10	1.721E-10	1.042E-10	5.269E-11	3.189E-11	2.138E-11	1.532E-11	1.150E-11	8.945E-12	7.145E-12	5.832E-12
N	4.436E-10	1.971E-10	1.194E-10	6.834E-11	3.652E-11	2.449E-11	1.755E-11	1.317E-11	1.024E-11	8.183E-12	6.679E-12
NNE	2.704E-10	1.201E-10	7.277E-11	3.678E-11	2.226E-11	1.493E-11	1.070E-11	8.051E-12	6.244E-12	4.988E-12	4.071E-12
NE	1.086E-10	4.824E-11	2.922E-11	1.477E-11	8.939E-12	5.994E-12	4.295E-12	3.225E-12	2.507E-12	2.003E-12	1.635E-12
ENE	9.106E-11	4.045E-11	2.450E-11	1.239E-11	7.496E-12	5.026E-12	3.601E-12	2.704E-12	2.103E-12	1.680E-12	1.371E-12
E	1.193E-10	5.301E-11	3.211E-11	1.623E-11	9.824E-12	6.587E-12	4.720E-12	3.544E-12	2.756E-12	2.201E-12	1.797E-12
ESE	2.108E-10	9.365E-11	5.673E-11	2.867E-11	1.735E-11	1.164E-11	8.337E-12	6.261E-12	4.868E-12	3.808E-12	3.174E-12
SE	3.297E-10	1.465E-10	8.873E-11	4.485E-11	2.715E-11	1.820E-11	1.304E-11	9.793E-12	7.614E-12	6.082E-12	4.965E-12
SSE	4.530E-10	2.013E-10	1.219E-10	6.162E-11	3.729E-11	2.501E-11	1.792E-11	1.345E-11	1.046E-11	8.356E-12	6.821E-12

***** RELATIVE DEPOSITION PER UNIT AREA (MM ³ -2) BY DOWNWIND SECTORS *****											
SEGMENT BOUNDARIES IN MILES											
DIRECTION FROM SITE	0-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50	
S	3.078E-08	6.305E-09	1.646E-09	7.393E-10	4.182E-10	1.608E-10	4.653E-11	1.844E-11	9.847E-12	6.095E-12	
SSW	1.550E-08	3.175E-09	8.288E-10	3.722E-10	2.106E-10	8.098E-11	2.343E-11	9.285E-12	4.958E-12	3.069E-12	
SW	9.051E-09	1.854E-09	4.840E-10	2.174E-10	1.230E-10	4.729E-11	1.368E-11	5.422E-12	2.895E-12	1.792E-12	
WSW	7.648E-09	1.567E-09	4.090E-10	1.837E-10	1.039E-10	3.996E-11	1.156E-11	4.582E-12	2.447E-12	1.514E-12	
W	8.578E-09	1.757E-09	4.587E-10	2.060E-10	1.165E-10	4.481E-11	1.296E-11	5.138E-12	2.744E-12	1.698E-12	
WNW	1.342E-08	2.749E-09	7.177E-10	3.223E-10	1.823E-10	7.012E-11	2.029E-11	8.040E-12	4.293E-12	2.657E-12	
NW	3.016E-08	6.178E-09	1.613E-09	7.244E-10	4.098E-10	1.576E-10	4.559E-11	1.807E-11	9.649E-12	5.972E-12	
NNW	3.632E-08	7.440E-09	1.942E-09	8.723E-10	4.935E-10	1.898E-10	5.490E-11	2.176E-11	1.162E-11	7.192E-12	
N	4.160E-08	8.520E-09	2.224E-09	9.990E-10	5.651E-10	2.173E-10	6.287E-11	2.492E-11	1.331E-11	8.236E-12	
NNE	2.536E-08	5.194E-09	1.356E-09	6.090E-10	3.445E-10	1.325E-10	3.833E-11	1.519E-11	8.112E-12	5.021E-12	
NE	1.818E-08	2.086E-09	5.445E-10	2.445E-10	1.383E-10	5.320E-11	1.539E-11	6.100E-12	3.257E-12	2.016E-12	
ENE	8.538E-09	1.749E-09	4.566E-10	2.051E-10	1.160E-10	4.461E-11	1.291E-11	5.115E-12	2.731E-12	1.691E-12	
E	1.119E-08	2.292E-09	5.983E-10	2.687E-10	1.520E-10	5.846E-11	1.491E-11	6.703E-12	3.580E-12	2.216E-12	
ESE	1.977E-08	4.049E-09	1.057E-09	4.747E-10	2.686E-10	1.033E-10	2.988E-11	1.184E-11	6.323E-12	3.914E-12	
SE	3.092E-08	6.333E-09	1.653E-09	7.426E-10	4.201E-10	1.615E-10	4.673E-11	1.852E-11	9.891E-12	6.122E-12	
SSE	4.248E-08	8.701E-09	2.271E-09	1.020E-09	5.771E-10	2.219E-10	6.421E-11	2.545E-11	1.359E-11	8.411E-12	

VENTS GROUND LEVEL RELEASES - JAN-DEC 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q		X/Q		D/Q
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	(PER SQ.METER)	
					NO DECAY	2.260 DAY DECAY	8.000 DAY DECAY		
					UNDEPLETED	UNDEPLETED	DEPLETED		
A	SITE BOUNDARY	S	0.80	1287.	5.780E-06	5.759E-06	5.127E-06	2.678E-08	
A	SITE BOUNDARY	SSW	0.82	1327.	3.374E-06	3.360E-06	2.986E-06	1.244E-08	
A	SITE BOUNDARY	SW	0.98	1569.	1.137E-06	1.131E-06	9.954E-07	4.698E-09	
A	SITE BOUNDARY	WSW	0.93	1489.	9.234E-07	9.193E-07	8.114E-07	4.546E-09	
A	SITE BOUNDARY	W	0.91	1468.	1.009E-06	1.006E-06	8.880E-07	5.290E-09	
A	SITE BOUNDARY	WNW	0.94	1509.	1.140E-06	1.136E-06	1.001E-06	7.705E-09	
A	SITE BOUNDARY	NW	0.81	1307.	4.389E-06	4.376E-06	3.890E-06	2.520E-08	
A	SITE BOUNDARY	NNW	0.69	1106.	1.140E-05	1.136E-05	1.020E-05	4.303E-08	
A	SITE BOUNDARY	N	0.67	1086.	1.295E-05	1.291E-05	1.160E-05	5.082E-08	
A	SITE BOUNDARY	NNE	0.60	965.	9.734E-06	9.704E-06	8.779E-06	3.754E-08	
A	SITE BOUNDARY	NE	0.62	1005.	3.889E-06	3.877E-06	3.497E-06	1.417E-08	
A	SITE BOUNDARY	ENE	0.59	945.	2.888E-06	2.880E-06	2.609E-06	1.308E-08	
A	SITE BOUNDARY	E	0.53	845.	3.341E-06	3.333E-06	3.040E-06	2.059E-08	
A	SITE BOUNDARY	ESE	0.54	865.	5.170E-06	5.159E-06	4.697E-06	3.501E-08	
A	SITE BOUNDARY	SE	0.65	1046.	7.181E-06	7.162E-06	6.445E-06	4.023E-08	
A	SITE BOUNDARY	SSE	0.81	1307.	8.459E-06	8.425E-06	7.495E-06	3.549E-08	
A	NEAR. RESIDENCE	SW	1.30	2092.	5.847E-07	5.808E-07	5.013E-07	2.258E-09	
A	NEAR. RESIDENCE	WSW	1.30	2092.	4.187E-07	4.161E-07	3.590E-07	1.908E-09	
A	NEAR. RESIDENCE	W	1.00	1609.	8.098E-07	8.065E-07	7.080E-07	4.172E-09	
A	NEAR. RESIDENCE	WNW	1.60	2575.	3.317E-07	3.298E-07	2.798E-07	2.001E-09	
A	NEAR. RESIDENCE	NW	0.90	1448.	3.409E-06	3.398E-06	3.002E-06	1.928E-08	
A	NEAR. RESIDENCE	NNW	1.90	3058.	1.253E-06	1.241E-06	1.040E-06	3.561E-09	
A	NEAR. RESIDENCE	N	3.00	4828.	5.717E-07	5.631E-07	4.522E-07	1.390E-09	
A	NEAR. RESIDENCE	NNE	2.70	4345.	4.319E-07	4.257E-07	3.456E-07	1.081E-09	
A	NEAR. RESIDENCE	ENE	1.70	2736.	3.104E-07	3.079E-07	2.603E-07	1.097E-09	
A	NEAR. RESIDENCE	E	1.80	2897.	2.613E-07	2.594E-07	2.180E-07	1.251E-09	
A	NEAR. RESIDENCE	ESF	2.40	3863.	2.532E-07	2.310E-07	1.892E-07	1.110E-09	
A	NEAREST COW	NNW	3.50	5633.	3.807E-07	3.740E-07	2.956E-07	8.536E-10	
A	NEAREST GARDEN	SW	1.30	2092.	5.847E-07	5.808E-07	5.013E-07	2.258E-09	
A	NEAREST GARDEN	WSW	1.80	2897.	2.043E-07	2.025E-07	1.704E-07	8.548E-10	
A	NEAREST GARDEN	WNW	1.60	2575.	3.317E-07	3.298E-07	2.798E-07	2.001E-09	
A	NEAREST GARDEN	NW	2.80	4506.	2.909E-07	2.876E-07	2.321E-07	1.182E-09	
A	NEAREST GARDEN	NNW	1.90	3058.	1.253E-06	1.241E-06	1.040E-06	3.561E-09	
A	NEAREST GARDEN	N	3.00	4828.	5.717E-07	5.631E-07	4.522E-07	1.390E-09	
A	NEAREST GARDEN	NNE	2.70	4345.	4.319E-07	4.257E-07	3.456E-07	1.081E-09	
A	NEAREST GARDEN	ENE	1.70	2736.	3.104E-07	3.079E-07	2.603E-07	1.097E-09	
A	NEAREST GARDEN	E	1.80	2897.	2.613E-07	2.594E-07	2.180E-07	1.251E-09	
A	NEAREST GARDEN	ESE	2.40	3863.	2.332E-07	2.310E-07	1.892E-07	1.110E-09	

B281

Atmospheric Diffusion Estimates

Elevated Releases

January-March 1995

ERP ELEVATED STACK RELEASES - JAN-MAR 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)		DISTANCE IN MILES									
SECTOR	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	6.372E-08	1.192E-07	1.349E-07	1.128E-07	8.556E-08	6.573E-08	5.144E-08	4.122E-08	3.381E-08	3.655E-08	3.824E-08
SSW	3.190E-08	4.410E-08	4.861E-08	4.897E-08	4.719E-08	3.982E-08	3.252E-08	3.307E-08	3.203E-08	2.742E-08	2.390E-08
SW	1.046E-08	4.362E-08	6.374E-08	8.254E-08	9.415E-08	5.992E-08	4.156E-08	3.070E-08	2.375E-08	1.903E-08	1.568E-08
WSW	3.961E-09	2.029E-08	3.409E-08	4.921E-08	8.774E-08	5.745E-08	4.088E-08	3.093E-08	2.447E-08	2.003E-08	1.683E-08
W	7.086E-09	3.582E-08	6.247E-08	6.536E-08	5.818E-08	3.799E-08	2.741E-08	2.111E-08	1.701E-08	1.416E-08	1.208E-08
WNW	1.655E-08	1.036E-07	1.653E-07	1.776E-07	1.722E-07	1.036E-07	6.987E-08	5.336E-08	4.290E-08	3.415E-08	2.802E-08
NW	6.602E-09	4.072E-08	1.256E-07	2.555E-07	3.681E-07	2.154E-07	1.426E-07	1.044E-07	8.065E-08	6.359E-08	5.176E-08
NNW	8.981E-09	1.176E-08	3.385E-08	5.986E-08	9.378E-08	9.501E-08	8.924E-08	8.180E-08	7.651E-08	6.081E-08	4.984E-08
N	7.547E-09	3.606E-08	4.796E-08	4.712E-08	4.280E-08	3.656E-08	3.041E-08	2.491E-08	2.074E-08	1.756E-08	1.509E-08
NNE	8.765E-09	5.941E-08	7.611E-08	6.269E-08	4.771E-08	3.835E-08	3.149E-08	2.635E-08	2.245E-08	1.944E-08	1.708E-08
NE	1.704E-09	2.721E-08	4.571E-08	4.298E-08	3.764E-08	3.228E-08	2.741E-08	2.339E-08	2.017E-08	1.761E-08	1.556E-08
ENE	2.986E-11	1.815E-09	5.403E-09	8.190E-09	1.020E-08	9.597E-09	8.428E-09	7.306E-09	6.360E-09	5.586E-09	4.959E-09
E	4.593E-16	4.111E-10	7.073E-09	1.423E-08	1.859E-08	1.692E-08	1.433E-08	1.203E-08	1.019E-08	8.744E-09	7.603E-09
ESE	2.651E-09	1.492E-08	2.401E-08	2.654E-08	2.655E-08	2.312E-08	1.945E-08	1.638E-08	1.395E-08	1.203E-08	1.052E-08
SE	1.165E-08	4.826E-08	6.242E-08	6.577E-08	6.429E-08	5.509E-08	4.573E-08	3.803E-08	3.201E-08	2.731E-08	2.362E-08
SSE	2.828E-08	1.095E-07	1.403E-07	1.324E-07	1.132E-07	9.149E-08	7.360E-08	6.004E-08	4.989E-08	6.607E-08	7.720E-08

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)		DISTANCE IN MILES									
BEARING	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	3.386E-08	2.347E-08	1.534E-08	8.890E-09	6.395E-09	4.936E-09	3.869E-09	3.152E-09	2.676E-09	2.313E-09	2.013E-09
SSW	2.171E-08	1.577E-08	1.016E-08	5.764E-09	4.039E-09	3.009E-09	2.335E-09	1.886E-09	1.570E-09	1.336E-09	1.157E-09
SW	1.392E-08	8.890E-09	5.695E-09	3.203E-09	2.178E-09	1.611E-09	1.260E-09	1.014E-09	8.403E-10	7.125E-10	6.150E-10
WSW	1.536E-08	1.201E-08	9.471E-09	6.543E-09	4.499E-09	3.372E-09	2.672E-09	2.192E-09	1.847E-09	1.590E-09	1.391E-09
W	1.050E-08	6.429E-09	5.509E-09	4.648E-09	4.094E-09	3.141E-09	2.492E-09	2.052E-09	1.735E-09	1.498E-09	1.314E-09
WNW	2.392E-08	1.385E-08	9.653E-09	6.135E-09	4.326E-09	3.300E-09	2.660E-09	2.203E-09	1.859E-09	1.595E-09	1.391E-09
NW	4.366E-08	2.396E-08	1.616E-08	9.694E-09	6.512E-09	4.793E-09	3.804E-09	3.098E-09	2.583E-09	2.202E-09	1.910E-09
NNW	4.296E-08	2.537E-08	1.664E-08	9.687E-09	6.623E-09	4.940E-09	3.933E-09	3.246E-09	2.792E-09	2.416E-09	2.106E-09
N	1.316E-08	7.879E-09	6.055E-09	4.317E-09	3.399E-09	2.733E-09	2.137E-09	1.732E-09	1.442E-09	1.228E-09	1.064E-09
NNE	1.938E-08	3.411E-08	2.232E-08	1.299E-08	8.901E-09	6.651E-09	5.249E-09	4.301E-09	3.621E-09	3.113E-09	2.720E-09
NE	1.769E-08	2.524E-08	1.633E-08	9.348E-09	6.329E-09	4.686E-09	3.701E-09	3.026E-09	2.537E-09	2.169E-09	1.886E-09
ENE	5.542E-09	7.868E-09	5.157E-09	2.992E-09	2.037E-09	1.514E-09	1.215E-09	1.003E-09	8.393E-10	7.173E-10	6.235E-10
E	7.944E-09	9.745E-09	6.355E-09	3.662E-09	2.481E-09	1.837E-09	1.438E-09	1.170E-09	9.989E-10	8.661E-10	7.520E-10
ESE	1.095E-08	1.379E-08	9.159E-09	5.399E-09	3.715E-09	2.781E-09	2.196E-09	1.799E-09	1.514E-09	1.301E-09	1.136E-09
SE	2.069E-08	1.256E-08	9.509E-09	6.576E-09	4.746E-09	3.702E-09	3.035E-09	2.574E-09	2.155E-09	1.843E-09	1.602E-09
SSE	6.547E-08	3.603E-08	2.298E-08	1.289E-08	8.610E-09	6.304E-09	4.899E-09	3.960E-09	3.296E-09	2.804E-09	2.428E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	1.216E-07	8.281E-08	5.116E-08	3.697E-08	3.612E-08	2.216E-08	9.214E-09	4.898E-09	3.175E-09	2.309E-09
SSW	4.777E-08	4.431E-08	3.469E-08	3.057E-08	2.413E-08	1.460E-08	5.974E-09	3.014E-09	1.894E-09	1.339E-09
SW	6.762E-08	7.636E-08	4.211E-08	2.394E-08	1.602E-08	8.587E-09	3.301E-09	1.622E-09	1.018E-09	7.143E-10
WSW	3.775E-08	6.571E-08	4.132E-08	2.463E-08	1.724E-08	1.163E-08	6.285E-09	3.393E-09	2.198E-09	1.592E-09
W	5.783E-08	5.080E-08	2.771E-08	1.710E-08	1.211E-08	6.926E-09	4.593E-09	3.136E-09	2.057E-09	1.500E-09
WNW	1.571E-07	1.429E-07	7.226E-08	4.255E-08	2.832E-08	1.422E-08	6.113E-09	3.318E-09	2.203E-09	1.598E-09
NW	1.645E-07	2.752E-07	1.467E-07	8.095E-08	5.226E-08	2.487E-08	9.717E-09	4.856E-09	3.104E-09	2.207E-09
NNW	4.050E-08	8.679E-08	8.780E-08	7.204E-08	5.054E-08	2.540E-08	9.869E-09	4.986E-09	3.269E-09	2.412E-09
N	4.494E-08	4.099E-08	2.985E-08	2.072E-08	1.510E-08	8.241E-09	4.295E-09	2.672E-09	1.738E-09	1.231E-09
NNE	6.643E-08	4.688E-08	3.126E-08	2.242E-08	1.863E-08	2.560E-08	1.325E-08	6.690E-09	4.313E-09	3.118E-09
NE	4.038E-08	3.644E-08	2.718E-08	2.011E-08	1.695E-08	1.960E-08	9.558E-09	4.730E-09	3.033E-09	2.173E-09
ENE	5.844E-09	9.484E-09	8.291E-09	6.336E-09	5.360E-09	6.146E-09	3.049E-09	1.534E-09	1.001E-09	7.187E-10
E	8.772E-09	1.688E-08	1.410E-08	1.017E-08	8.067E-09	7.838E-09	3.736E-09	1.849E-09	1.181E-09	8.632E-10
ESE	2.311E-08	2.502E-08	1.920E-08	1.391E-08	1.113E-08	1.110E-08	5.486E-09	2.796E-09	1.804E-09	1.303E-09
SE	6.076E-08	6.053E-08	4.515E-08	3.194E-08	2.363E-08	1.301E-08	6.414E-09	3.714E-09	2.546E-09	1.846E-09
SSE	1.299E-07	1.078E-07	7.295E-08	5.896E-08	6.956E-08	3.677E-08	1.323E-08	6.358E-09	3.975E-09	2.811E-09

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ERP ELEVATED STACK RELEASES - JAN-MAR 1995
 2.260 DAY DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
SECTOR	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	6.371E-08	1.191E-07	1.347E-07	1.127E-07	8.536E-08	6.552E-08	5.122E-08	4.101E-08	3.360E-08	3.500E-08	3.793E-08
SSW	3.196E-08	4.406E-08	4.855E-08	4.888E-08	4.703E-08	3.962E-08	3.232E-08	3.281E-08	3.172E-08	2.712E-08	2.359E-08
SW	1.046E-08	4.359E-08	6.365E-08	8.237E-08	9.383E-08	5.964E-08	4.131E-08	3.047E-08	2.354E-08	1.884E-08	1.550E-08
WSW	3.960E-08	2.020E-08	3.405E-08	4.910E-08	8.735E-08	5.708E-08	4.054E-08	3.062E-08	2.418E-08	1.975E-08	1.657E-08
W	7.082E-08	3.578E-08	6.239E-08	6.521E-08	5.794E-08	3.777E-08	2.720E-08	2.091E-08	1.682E-08	1.397E-08	1.189E-08
WNW	1.655E-07	1.035E-07	1.650E-07	1.771E-07	1.713E-07	1.029E-07	6.923E-08	5.276E-08	4.232E-08	3.362E-08	2.753E-08
NW	6.598E-09	4.069E-08	1.255E-07	2.551E-07	3.670E-07	2.145E-07	1.418E-07	1.038E-07	8.004E-08	6.304E-08	5.125E-08
NNW	8.978E-09	1.175E-08	3.381E-08	5.974E-08	9.345E-08	9.454E-08	8.868E-08	8.117E-08	7.581E-08	6.017E-08	4.925E-08
N	7.545E-09	3.605E-08	4.792E-08	4.707E-08	4.270E-08	3.645E-08	3.029E-08	2.480E-08	2.063E-08	1.745E-08	1.498E-08
NNE	8.763E-09	5.937E-08	7.603E-08	6.259E-08	4.758E-08	3.821E-08	3.154E-08	2.620E-08	2.230E-08	1.929E-08	1.694E-08
NE	1.704E-09	2.719E-08	4.563E-08	4.287E-08	3.749E-08	3.210E-08	2.722E-08	2.319E-08	1.998E-08	1.742E-08	1.537E-08
ENE	2.985E-11	1.814E-09	5.397E-09	8.175E-09	1.017E-08	9.563E-09	8.390E-09	7.268E-09	6.321E-09	5.547E-09	4.919E-09
E	4.592E-16	4.108E-10	7.064E-09	1.420E-08	1.853E-08	1.686E-08	1.426E-08	1.196E-08	1.012E-08	8.675E-09	7.536E-09
ESE	2.649E-09	1.490E-08	2.394E-08	2.645E-08	2.643E-08	2.298E-08	1.931E-08	1.624E-08	1.381E-08	1.189E-08	1.039E-08
SE	1.165E-08	4.823E-08	6.237E-08	6.569E-08	6.416E-08	5.495E-08	4.555E-08	3.786E-08	3.183E-08	2.714E-08	2.346E-08
SSE	2.827E-08	1.094E-07	1.402E-07	1.323E-07	1.131E-07	9.128E-08	7.338E-08	5.982E-08	4.968E-08	4.162E-08	3.468E-08

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
BEARING	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	3.354E-08	2.307E-08	1.498E-08	8.573E-09	6.077E-09	4.621E-09	3.572E-09	2.870E-09	2.402E-09	2.046E-09	1.755E-09
SSW	2.139E-08	1.540E-08	9.841E-09	5.495E-09	3.790E-09	2.779E-09	2.122E-09	1.688E-09	1.383E-09	1.159E-09	9.878E-10
SW	1.374E-08	8.704E-09	5.535E-09	3.067E-09	2.055E-09	1.496E-09	1.153E-09	9.141E-10	7.466E-10	6.238E-10	5.306E-10
WSW	1.508E-08	1.163E-08	9.055E-09	6.099E-09	4.094E-09	2.996E-09	2.317E-09	1.856E-09	1.527E-09	1.283E-09	1.095E-09
W	1.032E-08	6.251E-09	5.291E-09	4.352E-09	3.737E-09	2.800E-09	2.170E-09	1.746E-09	1.443E-09	1.217E-09	1.043E-09
WNW	2.345E-08	1.342E-08	9.255E-09	5.750E-09	3.765E-09	2.958E-09	2.331E-09	1.888E-09	1.558E-09	1.307E-09	1.115E-09
NW	4.318E-08	2.356E-08	1.580E-08	9.372E-09	6.225E-09	4.531E-09	3.556E-09	2.864E-09	2.362E-09	1.992E-09	1.709E-09
NNW	4.239E-08	2.486E-08	1.619E-08	9.298E-09	6.271E-09	4.614E-09	3.624E-09	2.950E-09	2.502E-09	2.136E-09	1.836E-09
N	1.305E-08	7.789E-09	5.965E-09	4.224E-09	3.299E-09	2.630E-09	2.041E-09	1.642E-09	1.357E-09	1.147E-09	9.862E-10
NNE	1.921E-08	3.362E-08	2.189E-08	1.262E-08	8.560E-09	6.334E-09	4.950E-09	4.016E-09	3.348E-09	2.851E-09	2.467E-09
NE	1.746E-08	2.481E-08	1.596E-08	9.036E-09	6.051E-09	4.432E-09	3.463E-09	2.802E-09	2.325E-09	1.967E-09	1.692E-09
ENE	5.492E-09	7.745E-09	5.049E-09	2.898E-09	1.952E-09	1.435E-09	1.140E-09	9.311E-10	7.707E-10	6.518E-10	5.607E-10
E	7.867E-09	9.610E-09	6.238E-09	3.562E-09	2.391E-09	1.754E-09	1.361E-09	1.098E-09	9.286E-10	7.978E-10	6.865E-10
ESE	1.380E-08	1.356E-08	8.962E-09	5.230E-09	3.563E-09	2.641E-09	2.065E-09	1.676E-09	1.397E-09	1.189E-09	1.029E-09
SE	2.053E-08	1.241E-08	9.365E-09	6.427E-09	4.601E-09	3.556E-09	2.888E-09	2.423E-09	2.011E-09	1.704E-09	1.469E-09
SSE	6.497E-08	3.560E-08	2.260E-08	1.258E-08	8.326E-09	6.048E-09	4.657E-09	3.733E-09	3.080E-09	2.599E-09	2.231E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	1.215E-07	8.261E-08	5.095E-08	3.675E-08	3.582E-08	2.180E-08	8.888E-09	4.590E-09	2.897E-09	2.044E-09
SSW	4.770E-08	4.415E-08	3.446E-08	3.028E-08	2.382E-08	1.426E-08	5.703E-09	2.786E-09	1.696E-09	1.162E-09
SW	6.751E-08	7.609E-08	4.186E-08	2.373E-08	1.584E-08	8.414E-09	3.165E-09	1.508E-09	9.866E-10	6.257E-10
WSW	3.768E-08	6.540E-08	4.098E-08	2.433E-08	1.696E-08	1.125E-08	5.865E-09	3.017E-09	2.062E-09	1.286E-09
W	5.773E-08	5.059E-08	2.750E-08	1.690E-08	1.192E-08	6.728E-09	4.287E-09	2.798E-09	1.752E-09	1.219E-09
WNW	1.567E-07	1.422E-07	7.161E-08	4.199E-08	2.782E-08	1.380E-08	5.736E-09	2.976E-09	1.889E-09	1.310E-09
NW	1.642E-07	2.743E-07	1.460E-07	8.035E-08	5.176E-08	2.447E-08	9.402E-09	4.593E-09	2.871E-09	1.997E-09
NNW	4.043E-08	8.645E-08	8.724E-08	7.139E-08	4.995E-08	2.490E-08	9.484E-09	4.668E-09	2.972E-09	2.133E-09
N	4.490E-08	4.089E-08	2.973E-08	2.061E-08	1.508E-08	8.148E-09	4.200E-09	2.573E-09	1.648E-09	1.150E-09
NNE	6.635E-08	4.675E-08	3.112E-08	2.227E-08	1.848E-08	2.521E-08	1.288E-08	6.374E-09	4.028E-09	2.856E-09
NE	4.030E-08	3.629E-08	2.691E-08	1.992E-08	1.675E-08	1.924E-08	9.248E-09	4.476E-09	2.809E-09	1.971E-09
ENE	5.836E-09	9.456E-09	8.254E-09	6.296E-09	5.317E-09	6.046E-09	2.956E-09	1.455E-09	9.296E-10	6.533E-10
E	8.758E-09	1.683E-08	1.403E-08	1.010E-08	7.996E-09	7.724E-09	3.636E-09	1.767E-09	1.108E-09	7.953E-10
ESE	2.305E-08	2.490E-08	1.906E-08	1.377E-08	1.099E-08	1.090E-08	5.319E-09	2.657E-09	1.681E-09	1.191E-09
SE	6.070E-08	6.040E-08	4.498E-08	3.177E-08	2.346E-08	1.286E-08	6.268E-09	3.567E-09	2.399E-09	1.708E-09
SSE	1.298E-07	1.076E-07	7.273E-08	5.869E-08	6.909E-08	3.635E-08	1.291E-08	6.099E-09	3.748E-09	2.605E-09

ERP ELEVATED STACK RELEASES - JAN-MAR 1995
 8.000 DAY DECAY, DEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										DISTANCE IN MILES													
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500													
S	6.372E-08	1.181E-07	1.321E-07	1.103E-07	8.333E-08	6.366E-08	4.950E-08	3.941E-08	3.212E-08	3.470E-08	3.631E-08													
SSW	3.197E-08	4.370E-08	4.776E-08	4.822E-08	4.633E-08	3.880E-08	3.142E-08	3.172E-08	3.055E-08	2.598E-08	2.251E-08													
SW	1.046E-08	4.322E-08	6.269E-08	8.158E-08	9.241E-08	5.812E-08	3.990E-08	2.921E-08	2.242E-08	1.784E-08	1.460E-08													
WSW	3.961E-09	2.011E-08	3.348E-08	4.859E-08	8.670E-08	5.648E-08	4.004E-08	3.020E-08	2.383E-08	1.946E-08	1.632E-08													
W	7.085E-09	3.516E-08	6.148E-08	6.416E-08	5.675E-08	3.681E-08	2.645E-08	2.030E-08	1.632E-08	1.355E-08	1.154E-08													
WNW	1.655E-08	1.027E-07	1.624E-07	1.744E-07	1.682E-07	1.002E-07	6.786E-08	5.096E-08	4.081E-08	3.231E-08	2.638E-08													
NW	6.601E-09	4.036E-08	1.244E-07	2.534E-07	3.620E-07	2.095E-07	1.375E-07	1.001E-07	7.688E-08	6.025E-08	4.873E-08													
NNW	8.980E-09	1.166E-08	3.347E-08	5.944E-08	9.276E-08	9.343E-08	8.747E-08	8.004E-08	7.483E-08	5.921E-08	4.828E-08													
N	7.546E-09	3.574E-08	4.710E-08	4.633E-08	4.198E-08	3.567E-08	2.948E-08	2.401E-08	1.988E-08	1.674E-08	1.431E-08													
NNE	8.764E-09	5.887E-08	7.446E-08	6.108E-08	4.638E-08	3.719E-08	3.044E-08	2.539E-08	2.156E-08	1.862E-08	1.632E-08													
NE	1.704E-09	2.696E-08	4.474E-08	4.194E-08	3.668E-08	3.137E-08	2.654E-08	2.256E-08	1.939E-08	1.687E-08	1.486E-08													
ENE	2.985E-11	1.800E-09	5.345E-09	8.129E-09	1.007E-08	9.425E-09	8.231E-09	7.101E-09	6.156E-09	5.388E-09	4.767E-09													
E	4.592E-16	4.110E-10	7.070E-09	1.422E-08	1.841E-08	1.630E-08	1.394E-08	1.162E-08	9.770E-09	8.329E-09	7.202E-09													
ESE	2.650E-09	1.478E-08	2.358E-08	2.609E-08	2.603E-08	2.253E-08	1.883E-08	1.576E-08	1.335E-08	1.146E-08	9.969E-09													
SE	1.165E-08	4.783E-08	6.142E-08	6.489E-08	6.326E-08	5.388E-08	4.443E-08	3.672E-08	3.073E-08	2.609E-08	2.245E-08													
SSE	2.828E-08	1.085E-07	1.378E-07	1.301E-07	1.110E-07	8.915E-08	7.127E-08	5.779E-08	4.776E-08	3.944E-08	3.245E-08													

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										DISTANCE IN MILES														
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000														
S	3.205E-08	2.187E-08	1.384E-08	7.522E-09	5.038E-09	3.652E-09	2.716E-09	2.110E-09	1.718E-09	1.436E-09	1.212E-09														
SSW	2.038E-08	1.456E-08	9.076E-09	4.835E-09	3.175E-09	2.265E-09	1.693E-09	1.321E-09	1.065E-09	8.785E-10	7.390E-10														
SW	1.291E-08	8.086E-09	5.016E-09	2.654E-09	1.695E-09	1.187E-09	8.912E-10	6.916E-10	5.544E-10	4.556E-10	3.818E-10														
WSW	1.489E-08	1.145E-08	8.723E-09	5.701E-09	3.751E-09	2.679E-09	2.043E-09	1.617E-09	1.319E-09	1.101E-09	9.354E-10														
W	1.002E-08	6.095E-09	5.222E-09	4.150E-09	3.403E-09	2.503E-09	1.912E-09	1.520E-09	1.244E-09	1.042E-09	8.879E-10														
WNW	2.240E-08	1.258E-08	8.490E-09	5.034E-09	3.274E-09	2.327E-09	1.781E-09	1.418E-09	1.153E-09	9.553E-10	8.063E-10														
NW	4.086E-08	2.173E-08	1.420E-08	8.001E-09	5.064E-09	3.543E-09	2.700E-09	2.124E-09	1.716E-09	1.420E-09	1.198E-09														
NNW	4.139E-08	2.368E-08	1.498E-08	8.098E-09	5.083E-09	3.526E-09	2.636E-09	2.058E-09	1.698E-09	1.421E-09	1.200E-09														
N	1.242E-08	7.307E-09	5.566E-09	3.937E-09	3.031E-09	2.338E-09	1.773E-09	1.398E-09	1.135E-09	9.434E-10	7.993E-10														
NNE	1.860E-08	3.295E-08	2.083E-08	1.139E-08	7.332E-09	5.200E-09	3.919E-09	3.081E-09	2.498E-09	2.073E-09	1.753E-09														
NE	1.696E-08	2.426E-08	1.516E-08	8.158E-09	5.203E-09	3.664E-09	2.777E-09	2.197E-09	1.788E-09	1.486E-09	1.258E-09														
ENE	5.339E-09	7.597E-09	4.810E-09	2.598E-09	1.629E-09	1.129E-09	8.525E-10	6.722E-10	5.422E-10	4.488E-10	3.773E-10														
E	7.517E-09	9.259E-09	5.843E-09	3.151E-09	1.983E-09	1.378E-09	1.021E-09	7.901E-10	6.439E-10	5.354E-10	4.490E-10														
ESE	1.038E-08	1.318E-08	8.475E-09	4.670E-09	2.975E-09	2.086E-09	1.555E-09	1.209E-09	9.697E-10	7.969E-10	6.673E-10														
SE	1.957E-08	1.167E-08	8.757E-09	5.990E-09	4.280E-09	3.314E-09	2.703E-09	2.273E-09	1.853E-09	1.546E-09	1.314E-09														
SSE	6.265E-08	3.338E-08	2.053E-08	1.082E-08	6.810E-09	4.745E-09	3.525E-09	2.737E-09	2.195E-09	1.805E-09	1.513E-09														

DIRECTION FROM SITE	CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT										SEGMENT BOUNDARIES IN MILES														
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50															
S	1.193E-07	8.057E-08	4.924E-08	3.518E-08	3.426E-08	2.057E-08	7.822E-09	3.647E-09	2.134E-09	1.437E-09															
SSW	4.706E-08	4.340E-08	3.351E-08	2.914E-08	2.275E-08	1.341E-08	5.039E-09	2.279E-09	1.330E-09	8.820E-10															
SW	6.676E-08	7.477E-08	4.048E-08	2.262E-08	1.494E-08	7.794E-09	2.753E-09	1.204E-09	6.964E-10	4.575E-10															
WSW	3.722E-08	6.480E-08	4.049E-08	2.399E-08	1.672E-08	1.100E-08	5.497E-09	2.705E-09	1.625E-09	1.104E-09															
W	5.682E-08	4.954E-08	2.675E-08	1.717E-08	1.157E-08	6.579E-09	4.056E-09	2.506E-09	1.527E-09	1.045E-09															
WNW	1.544E-07	1.393E-07	6.945E-08	4.647E-08	2.666E-08	1.294E-08	5.020E-09	2.361E-09	1.421E-09	9.587E-10															
NW	1.631E-07	2.701E-07	1.417E-07	7.717E-08	4.923E-08	2.263E-08	8.072E-09	3.611E-09	2.133E-09	1.425E-09															
NNW	4.016E-08	8.565E-08	8.609E-08	7.037E-08	4.897E-08	2.375E-08	8.288E-09	3.585E-09	2.086E-09	1.421E-09															
N	4.423E-08	4.014E-08	2.894E-08	1.986E-08	1.433E-08	7.670E-09	3.896E-09	2.297E-09	1.405E-09	9.467E-10															
NNE	6.505E-08	4.556E-08	3.022E-08	2.153E-08	1.785E-08	2.438E-08	1.168E-08	5.256E-09	3.098E-09	2.080E-09															
NE	3.955E-08	3.549E-08	2.623E-08	1.934E-08	1.624E-08	1.859E-08	8.401E-09	3.719E-09	2.207E-09	1.491E-09															
ENE	5.795E-09	9.353E-09	8.098E-09	6.133E-09	5.163E-09	5.857E-09	2.659E-09	1.152E-09	6.742E-10	4.497E-10															
E	8.768E-09	1.668E-08	1.372E-08	9.749E-09	7.653E-09	7.354E-09	3.230E-09	1.396E-09	8.003E-10	5.356E-10															
ESE	2.274E-08	2.449E-08	1.859E-08	1.332E-08	1.056E-08	1.047E-08	4.762E-09	2.110E-09	1.217E-09	8.001E-10															
SE	5.994E-08	5.945E-08	4.387E-08	3.067E-08	2.246E-08	1.213E-08	5.845E-09	3.327E-09	2.236E-09	1.551E-09															
SSE	1.278E-07	1.055E-07	7.064E-08	5.660E-08	6.677E-08	3.417E-08	1.120E-08	4.807E-09	2.756E-09	1.813E-09															

ERP ELEVATED STACK RELEASES - JAN-MAR 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION

RELATIVE DEPOSITION PER UNIT AREA (M³-2) AT FIXED POINTS BY DOWNWIND SECTORS

DIRECTION FROM SITE

	DISTANCES IN MILES										
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
S	1.140E-08	8.791E-09	6.756E-09	4.254E-09	1.910E-09	1.130E-09	7.494E-10	5.326E-10	3.967E-10	3.134E-10	2.821E-10
SSW	2.700E-09	2.333E-09	2.185E-09	1.625E-09	8.416E-10	5.293E-10	3.625E-10	2.621E-10	2.386E-10	1.807E-10	1.415E-10
SW	2.141E-09	1.754E-09	1.510E-09	1.053E-09	8.518E-10	4.601E-10	2.845E-10	1.931E-10	1.396E-10	1.056E-10	8.270E-11
WSW	1.325E-09	1.020E-09	7.816E-10	6.399E-10	3.372E-10	1.796E-10	1.103E-10	7.448E-11	5.370E-11	4.058E-11	3.178E-11
W	8.007E-10	1.460E-09	1.063E-09	6.529E-10	2.871E-10	1.539E-10	9.469E-11	6.404E-11	4.619E-11	3.490E-11	2.733E-11
WNW	4.233E-09	3.216E-09	3.199E-09	2.081E-09	1.066E-09	5.456E-10	3.269E-10	2.171E-10	1.607E-10	1.212E-10	9.559E-11
NW	2.731E-09	2.519E-09	2.583E-09	4.230E-09	2.672E-09	1.333E-09	7.875E-10	5.211E-10	3.747E-10	2.876E-10	2.327E-10
NNW	1.358E-09	1.215E-09	1.196E-09	9.201E-10	8.524E-10	4.627E-10	2.912E-10	2.387E-10	1.778E-10	1.417E-10	1.196E-10
N	4.286E-09	3.533E-09	3.071E-09	2.160E-09	1.072E-09	6.624E-10	4.497E-10	3.237E-10	2.427E-10	1.876E-10	1.485E-10
NNE	5.816E-09	4.408E-09	3.266E-09	1.979E-09	8.542E-10	4.957E-10	3.250E-10	2.296E-10	1.705E-10	1.313E-10	1.039E-10
NE	2.916E-09	2.245E-09	1.719E-09	1.079E-09	4.830E-10	2.853E-10	1.890E-10	1.343E-10	9.998E-11	7.707E-11	6.101E-11
ENE	2.759E-10	2.690E-10	2.946E-10	2.413E-10	1.334E-10	8.592E-11	5.955E-11	4.333E-11	3.266E-11	2.530E-11	2.003E-11
E	3.923E-11	2.354E-10	5.012E-10	5.191E-10	3.243E-10	2.174E-10	1.536E-10	1.128E-10	8.544E-11	6.632E-11	5.252E-11
ESE	5.586E-10	5.786E-10	6.756E-10	5.721E-10	3.226E-10	2.093E-10	1.456E-10	1.061E-10	8.005E-11	6.203E-11	4.912E-11
SE	4.327E-09	3.776E-09	3.598E-09	2.697E-09	1.447E-09	8.873E-10	6.085E-10	4.404E-10	3.310E-10	2.562E-10	2.028E-10
SSE	1.257E-08	1.023E-08	8.712E-09	6.025E-09	2.947E-09	1.811E-09	1.226E-09	8.810E-10	6.600E-10	6.100E-10	5.504E-10

DIRECTION FROM SITE

	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	2.271E-10	1.304E-10	8.457E-11	4.730E-11	3.028E-11	2.336E-11	1.674E-11	1.256E-11	9.819E-12	7.812E-12	6.377E-12
SSW	1.158E-10	6.297E-11	3.982E-11	2.157E-11	1.575E-11	1.101E-11	7.892E-12	5.930E-12	4.761E-12	3.803E-12	3.104E-12
SW	6.719E-11	3.617E-11	2.284E-11	1.238E-11	7.816E-12	6.057E-12	4.635E-12	3.543E-12	2.755E-12	2.201E-12	1.796E-12
WSW	2.559E-11	2.478E-11	1.821E-11	1.095E-11	6.628E-12	4.444E-12	3.225E-12	2.422E-12	1.883E-12	1.504E-12	1.228E-12
W	2.199E-11	9.930E-12	1.020E-11	8.048E-12	4.923E-12	3.355E-12	2.404E-12	1.805E-12	1.404E-12	1.121E-12	9.151E-13
WNW	8.001E-11	4.091E-11	2.669E-11	1.587E-11	1.046E-11	7.211E-12	5.063E-12	3.812E-12	3.073E-12	2.455E-12	2.004E-12
NW	1.976E-10	1.127E-10	7.826E-11	4.650E-11	2.956E-11	1.904E-11	1.449E-11	1.088E-11	8.560E-12	6.838E-12	5.581E-12
NNW	1.059E-10	6.891E-11	5.089E-11	3.144E-11	2.019E-11	1.343E-11	9.121E-12	6.728E-12	5.096E-12	4.072E-12	3.324E-12
N	1.199E-10	5.714E-11	3.508E-11	1.875E-11	2.970E-11	1.996E-11	1.430E-11	1.074E-11	8.353E-12	6.674E-12	5.448E-12
NNE	8.408E-11	1.606E-10	1.002E-10	5.256E-11	3.224E-11	2.162E-11	1.547E-11	1.159E-11	8.989E-12	7.171E-12	5.847E-12
NE	4.933E-11	1.044E-10	6.569E-11	3.476E-11	2.135E-11	1.428E-11	1.010E-11	7.533E-12	5.945E-12	4.749E-12	3.876E-12
ENE	1.615E-11	3.039E-11	2.368E-11	1.519E-11	9.809E-12	6.489E-12	4.539E-12	2.718E-12	2.114E-12	1.690E-12	1.381E-12
E	4.230E-11	4.148E-11	2.915E-11	1.727E-11	1.093E-11	7.253E-12	5.110E-12	3.762E-12	2.880E-12	2.424E-12	1.976E-12
ESE	3.960E-11	5.244E-11	3.907E-11	2.427E-11	1.557E-11	1.033E-11	7.254E-12	5.319E-12	4.054E-12	3.185E-12	2.563E-12
SE	1.636E-10	7.785E-11	4.770E-11	2.541E-11	1.576E-11	1.101E-11	8.342E-12	1.640E-11	1.262E-11	1.001E-11	8.135E-12
SSE	4.563E-10	3.267E-10	1.998E-10	1.021E-10	6.203E-11	4.155E-11	2.973E-11	2.229E-11	1.731E-11	1.381E-11	1.126E-11

RELATIVE DEPOSITION PER UNIT AREA (M³-2) BY DOWNWIND SECTORS

DIRECTION FROM SITE

	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.096E-09	2.085E-09	7.643E-10	4.038E-10	2.710E-10	1.315E-10	4.802E-11	2.256E-11	1.271E-11	7.875E-12
SSW	1.969E-09	8.770E-10	3.668E-10	2.232E-10	1.436E-10	6.442E-11	2.304E-11	1.103E-11	6.045E-12	3.828E-12
SW	1.361E-09	7.225E-10	2.948E-10	1.419E-10	8.374E-11	3.714E-11	1.267E-11	5.957E-12	3.555E-12	2.215E-12
WSW	7.716E-10	3.344E-10	1.144E-10	5.464E-11	3.209E-11	2.204E-11	1.064E-11	4.539E-12	2.446E-12	1.514E-12
W	9.690E-10	3.092E-10	9.821E-11	4.699E-11	2.760E-11	1.277E-11	7.156E-12	3.393E-12	1.823E-12	1.129E-12
WNW	2.706E-09	1.060E-09	3.413E-10	1.618E-10	9.741E-11	4.328E-11	1.560E-11	7.218E-12	3.888E-12	2.471E-12
NW	3.301E-09	2.423E-09	8.263E-10	3.833E-10	2.368E-10	1.163E-10	4.670E-11	2.029E-11	1.103E-11	6.882E-12
NNW	1.078E-09	6.942E-10	3.159E-10	1.815E-10	1.211E-10	6.912E-11	3.076E-11	1.351E-11	6.790E-12	4.098E-12
N	2.769E-09	1.132E-09	4.560E-10	2.448E-10	1.495E-10	6.128E-11	2.724E-11	2.029E-11	1.085E-11	6.718E-12
NNE	2.948E-09	9.449E-10	3.324E-10	1.724E-10	1.047E-10	1.168E-10	5.413E-11	2.199E-11	1.170E-11	7.220E-12
NE	1.552E-09	5.276E-10	1.928E-10	1.010E-10	6.144E-11	7.495E-11	3.567E-11	1.449E-11	7.463E-12	4.780E-12
ENE	2.652E-10	1.363E-10	6.009E-11	3.290E-11	2.016E-11	2.425E-11	1.469E-11	6.594E-12	3.108E-12	1.701E-12
E	4.501E-10	3.201E-10	1.543E-10	8.598E-11	5.282E-11	3.618E-11	1.709E-11	7.377E-12	3.811E-12	2.393E-12
ESE	6.080E-10	3.277E-10	1.468E-10	8.063E-11	4.942E-11	4.364E-11	2.369E-11	1.049E-11	5.390E-12	3.212E-12
SE	3.235E-09	1.463E-09	6.156E-10	3.338E-10	2.041E-10	8.352E-11	2.607E-11	1.121E-11	1.266E-11	1.009E-11
SSE	7.856E-09	3.124E-09	1.244E-09	7.041E-10	5.332E-10	2.991E-10	1.060E-10	4.229E-11	2.252E-11	1.391E-11

ERP ELEVATED STACK RELEASES - JAN-MAR 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q		X/Q		D/Q
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	(PER SQ.METER)	
					UNDEPLETED	NO DECAY	2.260 DAY DECAY	8.000 DAY DECAY	
A	SITE BOUNDARY	S	0.80	1287.	1.300E-07	1.298E-07	1.272E-07	6.153E-09	
A	SITE BOUNDARY	SSW	0.82	1327.	4.828E-08	4.821E-08	4.744E-08	2.020E-09	
A	SITE BOUNDARY	SW	0.98	1569.	8.074E-08	8.059E-08	7.977E-08	1.100E-09	
A	SITE BOUNDARY	WSW	0.93	1489.	4.304E-08	4.336E-08	4.282E-08	5.710E-10	
A	SITE BOUNDARY	W	0.91	1468.	6.554E-08	6.540E-08	6.440E-08	7.433E-10	
A	SITE BOUNDARY	WW	0.94	1509.	1.752E-07	1.747E-07	1.720E-07	2.370E-09	
A	SITE BOUNDARY	NW	0.81	1307.	1.574E-07	1.572E-07	1.561E-07	2.466E-09	
A	SITE BOUNDARY	NNW	0.69	1106.	2.604E-08	2.601E-08	2.571E-08	1.187E-09	
A	SITE BOUNDARY	N	0.67	1086.	4.433E-08	4.430E-08	4.359E-08	3.160E-09	
A	SITE BOUNDARY	NNE	0.60	965.	6.934E-08	6.928E-08	6.828E-08	3.874E-09	
A	SITE BOUNDARY	NE	0.62	1005.	3.842E-08	3.837E-08	3.779E-08	1.942E-09	
A	SITE BOUNDARY	ENE	0.59	945.	2.786E-09	2.784E-09	2.754E-09	2.739E-10	
A	SITE BOUNDARY	E	0.53	845.	6.643E-10	6.638E-10	6.642E-10	2.609E-10	
A	SITE BOUNDARY	ESE	0.54	865.	1.617E-08	1.614E-08	1.599E-08	5.881E-10	
A	SITE BOUNDARY	SE	0.65	1046.	5.538E-08	5.535E-08	5.454E-08	3.605E-09	
A	SITE BOUNDARY	SSE	0.81	1347.	1.385E-07	1.384E-07	1.359E-07	7.970E-09	
A	NEAR. RESIDENCE	SW	1.30	2092.	9.494E-08	9.467E-08	9.357E-08	1.144E-09	
A	NEAR. RESIDENCE	WSW	1.30	2092.	7.543E-08	7.516E-08	7.457E-08	4.576E-10	
A	NEAR. RESIDENCE	W	1.00	1609.	6.536E-08	6.521E-08	6.416E-08	6.529E-10	
A	NEAR. RESIDENCE	WNW	1.60	2575.	1.538E-07	1.529E-07	1.499E-07	9.170E-10	
A	NEAR. RESIDENCE	NW	0.90	1448.	2.042E-07	2.039E-07	2.028E-07	4.540E-09	
A	NEAR. RESIDENCE	NNW	1.90	3058.	9.572E-08	9.528E-08	9.422E-08	5.170E-10	
A	NEAR. RESIDENCE	N	3.00	4828.	2.492E-08	2.480E-08	2.401E-08	3.237E-10	
A	NEAR. RESIDENCE	NNE	2.70	4345.	2.926E-08	2.911E-08	2.824E-08	2.809E-10	
A	NEAR. RESIDENCE	ENE	1.70	2736.	1.011E-08	1.008E-08	9.964E-09	1.098E-10	
A	NEAR. RESIDENCE	E	1.80	2897.	1.785E-08	1.779E-08	1.758E-08	2.533E-10	
A	NEAR. RESIDENCE	ESE	2.40	3863.	2.014E-08	2.000E-08	1.953E-08	1.558E-10	
A	NEAREST COW	NNW	3.50	5633.	7.650E-08	7.580E-08	7.482E-08	1.778E-10	
A	NEAREST GARDEN	SW	1.30	2092.	9.494E-08	9.467E-08	9.357E-08	1.144E-09	
A	NEAREST GARDEN	WSW	1.80	2897.	6.729E-08	6.692E-08	6.629E-08	2.258E-10	
A	NEAREST GARDEN	WNW	1.60	2575.	1.538E-07	1.529E-07	1.499E-07	9.170E-10	
A	NEAREST GARDEN	NW	2.80	4506.	1.174E-07	1.167E-07	1.128E-07	6.079E-10	
A	NEAREST GARDEN	NNW	1.90	3058.	9.572E-08	9.528E-08	9.422E-08	5.170E-10	
A	NEAREST GARDEN	N	3.00	4828.	2.492E-08	2.480E-08	2.401E-08	3.237E-10	
A	NEAREST GARDEN	ENE	1.70	2736.	1.011E-08	1.008E-08	9.964E-09	1.098E-10	
A	NEAREST GARDEN	E	1.80	2897.	1.785E-08	1.779E-08	1.758E-08	2.533E-10	
A	NEAREST GARDEN	ESE	2.40	3863.	2.014E-08	2.000E-08	1.953E-08	1.558E-10	

Atmospheric Diffusion Estimates

Elevated Releases

April-June 1995

ERP ELEVATED STACK RELEASES - APR-JUN 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES											
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	
SECTOR	S	3.590E-17	6.400E-11	1.291E-09	2.712E-09	3.629E-09	3.324E-09	2.815E-09	2.356E-09	1.984E-09	2.217E-09	2.368E-09
SSW	3.374E-11	3.803E-09	7.950E-09	8.405E-09	7.837E-09	6.745E-09	5.720E-09	6.698E-09	7.711E-09	7.190E-09	6.801E-09	6.801E-09
SW	2.823E-09	1.639E-08	2.388E-08	2.792E-08	3.032E-08	1.931E-08	1.336E-08	9.834E-09	7.579E-09	6.050E-09	4.964E-09	4.964E-09
WSW	6.982E-11	6.260E-09	1.716E-08	2.201E-08	2.091E-08	1.209E-08	7.985E-09	5.763E-09	4.422E-09	3.546E-09	2.939E-09	2.939E-09
W	3.579E-08	4.384E-08	6.369E-08	5.945E-08	4.729E-08	2.987E-08	2.090E-08	1.562E-08	1.224E-08	9.922E-09	8.260E-09	8.260E-09
WNW	7.176E-09	2.323E-08	6.024E-08	7.291E-08	5.816E-08	3.234E-08	2.057E-08	1.452E-08	1.083E-08	8.327E-09	6.629E-09	6.629E-09
NW	2.276E-08	3.394E-08	6.206E-08	8.738E-08	1.124E-07	6.331E-08	4.076E-08	2.898E-08	2.179E-08	1.693E-08	1.361E-08	1.361E-08
NNW	6.753E-09	3.307E-08	4.401E-08	4.158E-08	3.751E-08	2.967E-08	2.304E-08	1.776E-08	1.392E-08	1.070E-08	8.526E-09	8.526E-09
N	3.904E-09	2.352E-08	2.623E-08	1.751E-08	9.154E-09	6.074E-09	4.558E-09	3.587E-09	2.939E-09	2.475E-09	2.127E-09	2.127E-09
NNE	4.577E-09	6.888E-09	9.717E-09	8.486E-09	6.534E-09	5.155E-09	4.168E-09	3.451E-09	2.918E-09	2.513E-09	2.198E-09	2.198E-09
NE	1.118E-09	2.999E-09	2.495E-09	2.072E-09	1.808E-09	1.543E-09	1.295E-09	1.092E-09	9.294E-10	8.010E-10	6.988E-10	6.988E-10
ENE	4.687E-17	3.257E-11	6.499E-10	1.523E-09	2.322E-09	2.243E-09	1.943E-09	1.641E-09	1.385E-09	1.179E-09	1.014E-09	1.014E-09
E	7.915E-17	6.228E-11	9.353E-10	1.720E-09	1.998E-09	1.685E-09	1.349E-09	1.082E-09	8.817E-10	7.511E-10	6.164E-10	6.164E-10
ESE	9.766E-11	6.021E-09	1.064E-08	9.952E-09	7.580E-09	5.586E-09	4.197E-09	3.248E-09	2.585E-09	2.108E-09	1.756E-09	1.756E-09
SE	7.504E-17	6.743E-11	1.048E-09	2.049E-09	2.736E-09	2.580E-09	2.246E-09	1.923E-09	1.650E-09	1.428E-09	1.247E-09	1.247E-09
SSE	5.448E-17	6.253E-11	1.162E-09	2.532E-09	3.995E-09	4.215E-09	3.959E-09	3.577E-09	3.198E-09	5.348E-09	6.450E-09	6.450E-09

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)	DISTANCE IN MILES											
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	
BEARING	S	2.137E-09	1.758E-09	1.175E-09	6.991E-10	5.246E-10	4.162E-10	3.280E-10	2.685E-10	2.302E-10	2.004E-10	1.749E-10
SSW	6.872E-09	7.879E-09	5.285E-09	3.165E-09	2.403E-09	1.860E-09	1.469E-09	1.204E-09	1.015E-09	8.735E-10	7.638E-10	7.638E-10
SW	4.355E-09	2.655E-09	1.685E-09	9.360E-10	6.295E-10	4.617E-10	3.587E-10	2.877E-10	2.378E-10	2.011E-10	1.732E-10	1.732E-10
WSW	2.678E-09	2.352E-09	1.998E-09	1.481E-09	1.026E-09	7.738E-10	6.167E-10	5.079E-10	4.297E-10	3.710E-10	3.255E-10	3.255E-10
W	7.027E-09	3.943E-09	2.873E-09	1.876E-09	1.369E-09	1.018E-09	7.955E-10	6.467E-10	5.409E-10	4.623E-10	4.019E-10	4.019E-10
WNW	5.439E-09	2.673E-09	1.664E-09	8.982E-10	5.837E-10	4.183E-10	3.184E-10	2.537E-10	2.081E-10	1.749E-10	1.497E-10	1.497E-10
NW	1.129E-08	5.799E-09	3.727E-09	2.099E-09	1.395E-09	1.018E-09	7.901E-10	6.370E-10	5.287E-10	4.488E-10	3.878E-10	3.878E-10
NNW	7.030E-09	3.529E-09	2.212E-09	1.214E-09	8.024E-10	5.674E-10	4.502E-10	3.621E-10	3.003E-10	2.544E-10	2.194E-10	2.194E-10
N	1.863E-09	1.151E-09	9.177E-10	6.507E-10	4.812E-10	3.673E-10	2.876E-10	2.339E-10	1.955E-10	1.670E-10	1.451E-10	1.451E-10
NNE	2.467E-09	3.135E-09	2.016E-09	1.146E-09	7.734E-10	5.711E-10	4.464E-10	3.627E-10	3.033E-10	2.591E-10	2.251E-10	2.251E-10
NE	7.449E-10	6.589E-10	4.186E-10	2.332E-10	1.544E-10	1.124E-10	8.698E-11	7.004E-11	5.805E-11	4.917E-11	4.240E-11	4.240E-11
ENE	9.795E-10	6.800E-10	4.239E-10	2.284E-10	1.477E-10	1.047E-10	7.944E-11	6.287E-11	5.124E-11	4.278E-11	3.641E-11	3.641E-11
E	5.782E-10	3.687E-10	2.283E-10	1.222E-10	7.652E-11	5.573E-11	4.213E-11	3.326E-11	2.714E-11	2.267E-11	1.929E-11	1.929E-11
ESE	1.602E-09	9.819E-10	6.054E-10	3.242E-10	2.108E-10	1.511E-10	1.153E-10	9.176E-11	7.533E-11	6.334E-11	5.425E-11	5.425E-11
SE	1.101E-09	6.808E-10	5.182E-10	3.465E-10	2.413E-10	1.816E-10	1.431E-10	1.167E-10	9.676E-11	8.204E-11	7.080E-11	7.080E-11
SSE	5.454E-09	2.935E-09	1.875E-09	1.053E-09	7.012E-10	5.123E-10	3.968E-10	3.199E-10	2.656E-10	2.255E-10	1.948E-10	1.948E-10

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	1.650E-09	3.290E-09	2.767E-09	2.179E-09	2.238E-09	1.583E-09	7.272E-10	4.098E-10	2.709E-10	1.998E-10
SSW	7.231E-09	7.478E-09	6.385E-09	7.223E-09	6.943E-09	6.502E-09	3.297E-09	1.848E-09	1.208E-09	8.749E-10
SW	2.401E-08	2.489E-08	1.354E-08	7.641E-09	5.060E-09	2.602E-09	9.662E-10	4.652E-10	2.889E-10	2.016E-10
WSW	1.689E-08	1.723E-08	8.190E-09	4.472E-09	3.022E-09	2.267E-09	1.393E-09	7.782E-10	5.092E-10	3.715E-10
W	5.739E-08	4.225E-08	2.118E-08	1.232E-08	8.296E-09	4.153E-09	1.872E-09	1.022E-09	6.489E-10	4.632E-10
WNW	5.765E-08	4.996E-08	2.129E-08	1.093E-08	6.691E-09	2.839E-09	9.285E-10	4.227E-10	2.550E-10	1.754E-10
NW	6.706E-08	8.501E-08	4.206E-08	2.199E-08	1.374E-08	6.098E-09	2.148E-09	1.027E-09	6.395E-10	4.499E-10
NNW	4.050E-08	3.493E-08	2.270E-08	1.379E-08	8.617E-09	3.722E-09	1.253E-09	5.884E-10	3.637E-10	2.550E-10
N	2.175E-08	9.642E-09	4.574E-09	2.948E-09	2.133E-09	1.206E-09	6.347E-10	3.658E-10	2.346E-10	1.673E-10
NNE	8.541E-09	6.355E-09	4.144E-09	2.916E-09	2.391E-09	2.490E-09	1.174E-09	5.752E-10	3.640E-10	2.596E-10
NE	2.419E-09	1.749E-09	1.280E-09	9.268E-10	7.461E-10	5.712E-10	2.394E-10	1.134E-10	7.031E-11	4.930E-11
ENE	9.007E-10	2.109E-09	1.902E-09	1.380E-09	1.050E-09	6.327E-10	2.358E-10	1.059E-10	6.317E-11	4.293E-11
E	1.090E-09	1.797E-09	1.332E-09	8.816E-10	5.362E-10	3.529E-10	1.264E-10	5.637E-11	3.346E-11	2.274E-11
ESE	9.307E-09	7.221E-09	4.188E-09	2.593E-09	1.803E-09	9.523E-10	3.363E-10	1.527E-10	9.222E-11	6.353E-11
SE	1.275E-09	2.514E-09	2.206E-09	1.643E-09	1.247E-09	7.019E-10	3.381E-10	1.822E-10	1.166E-10	8.224E-11
SSE	1.527E-09	3.768E-09	3.874E-09	4.125E-09	5.755E-09	3.024E-09	1.079E-09	5.165E-10	3.212E-10	2.260E-10

B289

ERP ELEVATED STACK RELEASES - APR-JUN 1995
 2.260 DAY DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)				DISTANCE IN MILES							
SECTOR	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	3.589E-17	6.394E-11	1.289E-09	2.706E-09	3.617E-09	3.310E-09	2.800E-09	2.340E-09	1.969E-09	2.190E-09	2.344E-09
SSW	3.372E-11	3.799E-09	7.937E-09	8.389E-09	7.815E-09	6.720E-09	5.694E-09	4.659E-09	3.653E-09	7.125E-09	6.729E-09
SW	2.822E-09	1.638E-08	2.385E-08	2.786E-08	3.019E-08	1.919E-08	1.325E-08	9.739E-09	7.493E-09	5.970E-09	4.891E-09
WSW	6.979E-11	6.254E-09	1.714E-08	2.197E-08	2.085E-08	1.204E-08	7.941E-09	5.723E-09	4.385E-09	3.510E-09	2.904E-09
W	3.578E-08	4.381E-08	6.361E-08	5.934E-08	4.713E-08	2.971E-08	2.075E-08	1.548E-08	1.210E-08	9.793E-09	8.136E-09
WNW	7.175E-09	2.322E-08	6.019E-08	7.282E-08	5.805E-08	3.225E-08	2.050E-08	1.447E-08	1.078E-08	8.285E-09	6.591E-09
NW	2.275E-08	3.392E-08	6.200E-08	8.727E-08	1.122E-07	6.317E-08	4.065E-08	2.888E-08	2.171E-08	1.686E-08	1.354E-08
NNW	6.751E-09	3.305E-08	4.397E-08	4.153E-08	3.744E-08	2.959E-08	2.297E-08	1.769E-08	1.386E-08	1.065E-08	8.478E-09
N	3.903E-09	2.351E-08	2.621E-08	1.749E-08	9.138E-09	6.056E-09	4.538E-09	3.566E-09	2.917E-09	2.453E-09	2.105E-09
NNE	4.576E-09	6.885E-09	9.710E-09	8.478E-09	6.524E-09	5.144E-09	4.157E-09	3.440E-09	2.907E-09	2.502E-09	2.188E-09
NE	1.117E-09	2.998E-09	2.494E-09	2.070E-09	1.805E-09	1.538E-09	1.291E-09	1.086E-09	9.243E-10	7.958E-10	6.936E-10
ENE	4.686E-17	3.255E-11	6.486E-10	1.518E-09	2.308E-09	2.255E-09	1.922E-09	1.619E-09	1.364E-09	1.158E-09	9.934E-10
E	7.914E-17	6.225E-11	9.346E-10	1.719E-09	1.995E-09	1.682E-09	1.345E-09	1.079E-09	8.785E-10	7.280E-10	6.135E-10
ESE	9.764E-11	6.018E-09	1.063E-08	9.942E-09	7.568E-09	5.575E-09	4.187E-09	3.238E-09	2.576E-09	2.100E-09	1.748E-09
SE	7.502E-17	6.739E-11	1.047E-09	2.047E-09	2.732E-09	2.575E-09	2.241E-09	1.917E-09	1.645E-09	1.423E-09	1.243E-09
SSE	5.447E-17	6.248E-11	1.161E-09	2.528E-09	3.983E-09	4.199E-09	3.939E-09	3.556E-09	3.175E-09	5.305E-09	6.391E-09

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)				DISTANCE IN MILES							
BEARING	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	2.113E-09	1.729E-09	1.148E-09	6.757E-10	5.012E-10	3.930E-10	3.052E-10	2.478E-10	2.101E-10	1.808E-10	1.559E-10
SSW	6.787E-09	7.718E-09	5.140E-09	3.036E-09	2.273E-09	1.735E-09	1.351E-09	1.093E-09	9.087E-10	7.711E-10	6.652E-10
SW	4.284E-09	2.591E-09	1.631E-09	8.918E-10	5.908E-10	4.268E-10	3.267E-10	2.582E-10	2.103E-10	1.754E-10	1.489E-10
WSW	2.639E-09	2.281E-09	1.910E-09	1.377E-09	9.306E-10	6.845E-10	5.318E-10	4.278E-10	3.522E-10	2.965E-10	2.536E-10
W	6.908E-09	3.837E-09	2.764E-09	1.764E-09	1.257E-09	9.143E-10	6.993E-10	5.562E-10	4.551E-10	3.805E-10	3.237E-10
WNW	5.404E-09	2.648E-09	1.642E-09	8.812E-10	5.691E-10	4.053E-10	3.071E-10	2.427E-10	1.979E-10	1.653E-10	1.406E-10
NW	1.123E-08	5.751E-09	3.685E-09	2.064E-09	1.364E-09	9.901E-10	7.642E-10	6.127E-10	5.057E-10	4.269E-10	3.669E-10
NNW	6.987E-09	3.497E-09	2.185E-09	1.192E-09	7.830E-10	5.656E-10	4.341E-10	3.470E-10	2.861E-10	2.410E-10	2.066E-10
N	1.840E-09	1.127E-09	8.909E-10	6.208E-10	4.516E-10	3.392E-10	2.615E-10	2.095E-10	1.725E-10	1.452E-10	1.243E-10
NNE	2.453E-09	3.110E-09	1.995E-09	1.128E-09	7.569E-10	5.560E-10	4.322E-10	3.494E-10	2.905E-10	2.469E-10	2.134E-10
NE	7.384E-10	6.496E-10	4.107E-10	2.266E-10	1.486E-10	1.071E-10	8.209E-11	6.545E-11	5.373E-11	4.507E-11	3.848E-11
ENE	9.574E-10	6.567E-10	4.047E-10	2.131E-10	1.342E-10	9.324E-11	6.916E-11	5.350E-11	4.262E-11	3.480E-11	2.896E-11
E	5.752E-10	3.658E-10	2.259E-10	1.203E-10	7.687E-11	5.428E-11	4.081E-11	3.205E-11	2.601E-11	2.162E-11	1.830E-11
ESE	1.594E-09	9.746E-10	5.994E-10	3.193E-10	2.066E-10	1.474E-10	1.119E-10	8.861E-11	7.239E-11	6.056E-11	5.161E-11
SE	1.096E-09	6.765E-10	5.140E-10	3.425E-10	2.381E-10	1.781E-10	1.399E-10	1.136E-10	9.388E-11	7.931E-11	6.819E-11
SSE	5.399E-09	2.890E-09	1.837E-09	1.021E-09	6.730E-10	4.867E-10	3.731E-10	2.978E-10	2.447E-10	2.056E-10	1.758E-10

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	1.647E-09	3.278E-09	2.752E-09	2.162E-09	2.215E-09	1.556E-09	7.032E-10	3.872E-10	2.501E-10	1.803E-10
SSW	7.218E-09	7.456E-09	6.354E-09	7.168E-09	6.868E-09	6.365E-09	3.164E-09	1.725E-09	1.097E-09	7.726E-10
SW	2.397E-09	2.478E-08	1.343E-08	7.555E-09	4.986E-09	2.541E-09	9.223E-10	4.305E-10	2.596E-10	1.759E-10
WSW	1.687E-08	1.718E-08	8.146E-09	4.434E-09	2.986E-09	2.195E-09	1.297E-09	6.890E-10	4.284E-10	2.971E-10
W	5.731E-08	4.210E-08	2.103E-08	1.219E-08	8.172E-09	4.043E-09	1.761E-09	9.198E-10	5.585E-10	3.816E-10
WNW	5.759E-08	4.987E-08	2.122E-08	1.088E-08	6.653E-09	2.813E-09	9.116E-10	4.097E-10	2.440E-10	1.658E-10
NW	6.699E-08	8.486E-08	4.195E-08	2.191E-08	1.367E-08	6.050E-09	2.113E-09	9.995E-10	6.152E-10	4.280E-10
NNW	4.046E-08	3.486E-08	2.262E-08	1.373E-08	8.569E-09	3.689E-09	1.231E-09	5.710E-10	3.487E-10	2.416E-10
N	2.174E-08	9.625E-09	4.554E-09	2.926E-09	2.110E-09	1.181E-09	6.056E-10	3.381E-10	2.103E-10	1.456E-10
NNE	6.534E-09	6.345E-09	4.133E-09	2.905E-09	2.379E-09	2.468E-09	1.156E-09	5.601E-10	3.506E-10	2.474E-10
NE	2.417E-09	1.745E-09	1.275E-09	9.217E-10	7.405E-10	5.632E-10	3.328E-10	1.082E-10	6.574E-11	4.519E-11
ENE	8.979E-10	2.095E-09	1.882E-09	1.358E-09	1.029E-09	6.115E-10	2.206E-10	9.452E-11	5.383E-11	3.495E-11
E	1.089E-09	1.794E-09	1.328E-09	8.784E-10	6.732E-10	3.501E-10	1.245E-10	5.492E-11	3.226E-11	2.109E-11
ESE	9.299E-09	7.210E-09	4.178E-09	2.584E-09	1.745E-09	9.454E-10	3.315E-10	1.490E-10	8.908E-11	6.075E-11
SE	1.274E-09	2.510E-09	2.201E-09	1.638E-09	1.242E-09	6.975E-10	3.342E-10	1.788E-10	1.136E-10	7.951E-11
SSE	1.524E-09	3.756E-09	3.855E-09	4.095E-09	5.702E-09	2.980E-09	1.048E-09	4.910E-10	2.991E-10	2.062E-10

B290

ERP ELEVATED STACK RELEASES - APR-JUN 1995
 8.000 DAY DECAY, DEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										DISTANCE IN MILES											
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	3.589E-17	6.399E-11	1.291E-09	2.711E-09	3.593E-09	3.261E-09	2.738E-09	2.273E-09	1.900E-09	2.116E-09	2.256E-09	3.373E-11	3.769E-09	7.803E-09	8.248E-09	7.673E-09	6.579E-09	5.557E-09	6.514E-09	7.514E-09	7.000E-09	6.619E-09
SSW	2.823E-09	1.624E-08	2.344E-08	2.751E-08	2.972E-08	1.871E-08	1.281E-08	9.340E-09	7.135E-09	5.649E-09	4.600E-09	6.981E-11	6.203E-09	1.686E-08	2.167E-08	2.039E-08	1.162E-08	7.591E-09	5.428E-09	4.133E-09	3.293E-09	2.715E-09
WSW	3.579E-08	4.302E-08	6.260E-08	5.814E-08	4.588E-08	2.876E-08	2.001E-08	1.489E-08	1.162E-08	9.388E-09	7.792E-09	7.176E-09	2.304E-08	5.956E-08	7.172E-08	5.635E-08	3.080E-08	1.930E-08	1.346E-08	9.924E-09	7.548E-09	5.949E-09
W	2.275E-08	3.364E-08	6.101E-08	8.609E-08	1.105E-07	6.173E-08	3.948E-08	2.791E-08	2.070E-08	1.615E-08	1.290E-08	NW	6.753E-09	3.277E-08	4.313E-08	4.075E-08	3.669E-08	2.882E-08	2.225E-08	1.704E-08	1.327E-08	1.013E-08
NNW	3.904E-09	2.330E-08	2.560E-08	1.691E-08	8.742E-09	5.782E-09	4.338E-09	3.414E-09	2.796E-09	2.355E-09	2.023E-09	N	4.577E-09	6.826E-09	9.518E-09	8.287E-09	6.361E-09	5.002E-09	4.029E-09	3.325E-09	2.803E-09	2.408E-09
NNE	1.117E-09	2.972E-09	2.449E-09	2.037E-09	1.777E-09	1.509E-09	1.261E-09	1.057E-09	8.963E-10	7.693E-10	6.687E-10	NE	4.687E-17	3.256E-11	6.495E-10	1.521E-09	2.296E-09	2.195E-09	1.881E-09	1.571E-09	1.313E-09	1.107E-09
ENE	7.915E-17	6.227E-11	9.351E-10	1.720E-09	1.979E-09	1.652E-09	1.308E-09	1.039E-09	8.389E-10	6.894E-10	5.763E-10	E	9.766E-11	5.967E-09	1.043E-08	9.743E-09	7.305E-09	5.403E-09	4.026E-09	3.089E-09	2.438E-09	1.972E-09
E	7.503E-17	6.742E-11	1.048E-09	2.048E-09	2.714E-09	2.542E-09	2.201E-09	1.875E-09	1.602E-09	1.381E-09	1.202E-09	ESE	5.448E-17	6.252E-11	1.162E-09	2.531E-09	3.964E-09	4.162E-09	3.894E-09	3.507E-09	3.127E-09	5.249E-09
ESE												SE										
SE												SSE										
SSE																						

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										DISTANCE IN MILES											
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	2.030E-09	1.654E-09	1.070E-09	5.963E-10	4.154E-10	3.085E-10	2.294E-10	1.781E-10	1.467E-10	1.236E-10	1.047E-10	SSW	6.695E-09	7.601E-09	4.919E-09	2.731E-09	1.905E-09	1.411E-09	1.073E-09	8.501E-10	6.942E-10	5.798E-10
SSW	4.013E-09	2.384E-09	1.467E-09	7.692E-10	4.894E-10	3.417E-10	2.555E-10	1.977E-10	1.580E-10	1.295E-10	1.083E-10	SW	2.474E-09	2.177E-09	1.805E-09	1.273E-09	8.592E-10	6.063E-10	4.648E-10	3.694E-10	3.023E-10	2.530E-10
SW	6.610E-09	3.663E-09	2.655E-09	1.637E-09	1.115E-09	7.943E-10	5.975E-10	4.690E-10	3.796E-10	3.147E-10	2.657E-10	WSW	4.835E-09	2.284E-09	1.377E-09	7.054E-10	4.383E-10	3.016E-10	2.215E-10	1.701E-10	1.352E-10	1.03E-10
WSW	1.064E-08	5.286E-09	3.286E-09	1.740E-09	1.099E-09	7.685E-10	5.749E-10	4.486E-10	3.614E-10	2.984E-10	2.512E-10	W	6.557E-09	3.180E-09	1.929E-09	9.958E-10	6.177E-10	4.254E-10	3.135E-10	2.428E-10	1.950E-10	1.603E-10
W	1.772E-09	1.090E-09	8.696E-10	6.128E-10	4.416E-10	3.176E-10	2.394E-10	1.885E-10	1.529E-10	1.269E-10	1.074E-10	NNW	2.369E-09	3.015E-09	1.873E-09	1.908E-09	6.501E-10	4.622E-10	3.493E-10	2.755E-10	2.240E-10	1.865E-10
NNW	7.129E-10	6.233E-10	3.816E-10	1.979E-10	1.214E-10	8.279E-11	6.090E-11	4.735E-11	3.800E-11	3.123E-11	2.618E-11	N	9.038E-10	6.022E-10	3.632E-10	1.855E-10	1.145E-10	7.843E-11	5.758E-11	4.416E-11	3.495E-11	2.839E-11
N	5.362E-10	3.288E-10	1.975E-10	1.007E-10	6.228E-11	4.281E-11	3.146E-11	2.422E-11	1.931E-11	1.577E-11	1.309E-11	NNE	1.47E-09	8.723E-10	5.219E-10	2.662E-10	1.663E-10	1.152E-10	8.523E-11	6.594E-11	5.272E-11	4.322E-11
NE	1.057E-09	6.462E-10	4.888E-10	3.238E-10	2.240E-10	1.670E-10	1.309E-10	1.049E-10	8.437E-11	6.955E-11	5.846E-11	ENE	1.057E-09	6.462E-10	4.888E-10	3.238E-10	2.240E-10	1.670E-10	1.309E-10	1.049E-10	8.437E-11	6.955E-11
ENE	5.325E-09	2.771E-09	1.708E-09	8.923E-10	5.490E-10	3.754E-10	2.743E-10	2.100E-10	1.662E-10	1.350E-10	1.119E-10	E										
E												ESE										
ESE												SE										
SE												SSE										
SSE																						

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50	
S	1.649E-09	3.249E-09	2.691E-09	2.089E-09	2.131E-09	1.478E-09	6.212E-10	3.054E-10	1.808E-10	1.234E-10
SSW	7.104E-09	7.314E-09	6.212E-09	7.032E-09	6.760E-09	6.207E-09	2.850E-09	1.408E-09	8.544E-10	5.815E-10
SSW	2.335E-08	2.433E-08	1.299E-08	7.199E-09	4.694E-09	2.338E-09	7.998E-10	3.466E-10	1.991E-10	1.301E-10
SW	1.663E-08	1.678E-08	7.801E-09	4.183E-09	2.797E-09	2.078E-09	1.198E-09	6.118E-10	3.711E-10	2.537E-10
SW	5.627E-08	4.100E-08	2.030E-08	1.170E-08	7.827E-09	3.870E-09	1.631E-09	8.012E-10	4.717E-10	3.158E-10
WSW	5.685E-08	4.841E-08	2.003E-08	1.003E-08	6.010E-09	2.448E-09	7.359E-10	5.060E-10	1.715E-10	1.108E-10
W	6.607E-08	8.339E-08	4.079E-08	2.109E-08	1.303E-08	5.587E-09	1.799E-09	7.793E-10	4.515E-10	2.996E-10
WSW	3.977E-08	3.410E-08	2.192E-08	1.315E-08	8.099E-09	3.374E-09	1.035E-09	4.319E-10	2.448E-10	1.610E-10
NNW	2.123E-08	9.242E-09	4.353E-09	2.904E-09	2.028E-09	1.144E-09	5.938E-10	3.194E-10	1.895E-10	1.274E-10
N	8.373E-09	6.185E-09	4.007E-09	2.802E-09	2.291E-09	2.364E-09	1.041E-09	4.672E-10	2.770E-10	1.872E-10
NNW	2.382E-09	1.716E-09	1.246E-09	8.939E-10	7.149E-10	5.358E-10	2.047E-10	8.433E-11	4.766E-11	3.137E-11
NE	8.999E-10	2.079E-09	1.841E-09	1.309E-09	9.773E-10	5.630E-10	1.934E-10	7.971E-11	4.448E-11	2.854E-11
ENE	1.090E-09	1.776E-09	1.292E-09	8.393E-10	5.949E-10	3.165E-10	1.051E-10	4.346E-11	2.442E-11	1.583E-11
E	9.134E-09	7.028E-09	4.018E-09	2.446E-09	1.674E-09	8.505E-10	2.786E-10	1.169E-10	6.641E-11	4.342E-11
ESE	1.275E-09	2.490E-09	2.161E-09	1.595E-09	1.201E-09	6.676E-10	3.161E-10	1.678E-10	1.045E-10	6.983E-11
SE	1.526E-09	3.734E-09	3.811E-09	4.044E-09	5.639E-09	2.866E-09	9.210E-10	3.813E-10	2.117E-10	1.357E-10
SSE										

B291

ERP ELEVATED STACK RELEASES - APR-JUN 1995

CORRECTED FOR OPEN TERRAIN RECIRCULATION

***** RELATIVE DEPOSITION PER UNIT AREA (M**2) AT FIXED POINTS BY DOWNWIND SECTORS *****

DIRECTION FROM SITE	DISTANCES IN MILES										
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
S	5.581E-12	3.348E-11	7.130E-11	7.385E-11	4.613E-11	3.093E-11	2.185E-11	1.605E-11	1.215E-11	9.991E-12	9.125E-12
SSW	2.804E-10	2.523E-10	2.503E-10	1.935E-10	1.029E-10	6.541E-11	4.503E-11	3.265E-11	3.049E-11	2.304E-11	1.803E-11
SW	1.098E-09	8.670E-10	6.983E-10	4.601E-10	3.245E-10	1.763E-10	1.097E-10	7.477E-11	5.421E-11	4.109E-11	3.222E-11
WSW	5.482E-10	4.293E-10	3.403E-10	2.820E-10	1.620E-10	8.655E-11	5.318E-11	3.595E-11	2.592E-11	1.959E-11	1.534E-11
W	1.639E-09	2.454E-09	1.636E-09	9.134E-10	3.887E-10	2.068E-10	1.269E-10	8.569E-11	6.177E-11	4.668E-11	3.656E-11
WNW	1.656E-09	1.355E-09	2.376E-09	1.499E-09	8.559E-10	4.275E-10	2.513E-10	1.638E-10	1.159E-10	8.516E-11	6.530E-11
NW	3.550E-09	2.711E-09	2.042E-09	1.960E-09	1.061E-09	5.282E-10	3.129E-10	2.078E-10	1.501E-10	1.157E-10	9.399E-11
NNW	3.003E-09	2.290E-09	1.720E-09	1.058E-09	6.986E-10	3.713E-10	2.278E-10	1.725E-10	1.224E-10	9.215E-11	7.271E-11
N	2.710E-09	1.962E-09	1.309E-09	6.979E-10	2.568E-10	1.361E-10	8.436E-11	5.768E-11	4.209E-11	3.216E-11	2.545E-11
NNE	1.092E-09	8.335E-10	6.270E-10	3.863E-10	1.696E-10	9.928E-11	6.542E-11	4.634E-11	3.446E-11	2.654E-11	2.101E-11
NE	2.734E-10	2.105E-10	1.612E-10	1.012E-10	4.529E-11	2.675E-11	1.772E-11	1.259E-11	9.374E-12	7.226E-12	5.720E-12
ENE	4.186E-12	2.511E-11	5.347E-11	5.539E-11	3.459E-11	2.320E-11	1.638E-11	1.204E-11	9.116E-12	7.075E-12	5.603E-12
E	5.581E-12	3.348E-11	7.130E-11	7.385E-11	4.613E-11	3.093E-11	2.185E-11	1.605E-11	1.215E-11	9.991E-12	9.125E-12
ESE	8.258E-10	6.649E-10	5.549E-10	3.774E-10	1.820E-10	1.112E-10	7.501E-11	5.381E-11	4.028E-11	3.111E-11	2.463E-11
SE	5.581E-12	3.348E-11	7.130E-11	7.385E-11	4.613E-11	3.093E-11	2.185E-11	1.605E-11	1.215E-11	9.991E-12	9.125E-12
SSE	5.581E-12	3.348E-11	7.130E-11	7.385E-11	4.613E-11	3.093E-11	2.185E-11	1.605E-11	1.215E-11	9.991E-12	9.125E-12

DIRECTION FROM SITE	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	7.335E-12	4.992E-12	3.369E-12	1.928E-12	1.210E-12	8.618E-13	6.096E-13	4.510E-13	3.834E-13	3.063E-13	2.500E-13
SSW	1.450E-11	1.676E-11	1.260E-11	7.883E-12	4.415E-12	3.016E-12	2.161E-12	1.623E-12	1.262E-12	1.008E-12	8.226E-13
SW	2.660E-11	1.291E-11	7.846E-12	4.108E-12	2.604E-12	1.598E-12	1.265E-12	9.836E-13	7.857E-13	6.413E-13	5.133E-13
WSW	1.235E-11	6.448E-12	4.043E-12	2.803E-12	1.697E-12	1.138E-12	8.151E-13	6.120E-13	4.759E-13	3.801E-13	3.103E-13
W	2.944E-11	1.336E-11	8.709E-12	5.679E-12	4.283E-12	2.872E-12	2.058E-12	1.545E-12	1.201E-12	9.597E-13	7.833E-13
WNW	5.220E-11	2.345E-11	1.403E-11	7.199E-12	5.777E-12	4.067E-12	3.036E-12	2.280E-12	1.773E-12	1.416E-12	1.156E-12
NW	7.985E-11	4.559E-11	3.174E-11	2.004E-11	1.220E-11	8.205E-12	5.867E-12	4.405E-12	3.425E-12	2.736E-12	2.235E-12
NNW	5.987E-11	3.049E-11	1.990E-11	1.121E-11	7.207E-12	4.970E-12	3.913E-12	2.880E-12	2.300E-12	1.838E-12	1.500E-12
N	2.068E-11	1.003E-11	6.279E-12	3.516E-12	4.279E-12	2.813E-12	1.958E-12	1.470E-12	1.143E-12	9.130E-13	7.452E-13
NNE	1.700E-11	2.481E-11	1.503E-11	7.595E-12	4.597E-12	3.082E-12	2.208E-12	1.658E-12	1.289E-12	1.030E-12	8.407E-13
NE	4.626E-12	4.203E-12	2.763E-12	1.526E-12	9.474E-13	6.310E-13	4.041E-13	3.034E-13	2.359E-13	1.885E-13	1.538E-13
ENE	4.513E-12	2.473E-12	1.434E-12	6.996E-13	4.205E-13	2.833E-13	2.052E-13	1.599E-13	1.262E-13	1.008E-13	8.226E-13
E	6.017E-12	3.295E-12	1.910E-12	9.322E-13	5.603E-13	3.775E-13	2.734E-13	2.081E-13	1.643E-13	1.265E-13	1.008E-13
ESE	1.989E-11	1.063E-11	6.267E-12	3.167E-12	1.977E-12	1.375E-12	1.023E-12	7.977E-13	6.386E-13	5.268E-13	4.422E-13
SE	6.017E-12	2.849E-12	1.736E-12	9.131E-13	5.592E-13	3.928E-13	3.062E-13	2.335E-13	1.810E-13	1.407E-13	1.128E-13
SSE	1.393E-11	1.173E-11	8.116E-12	4.717E-12	2.969E-12	1.971E-12	1.389E-12	1.023E-12	7.824E-13	6.161E-13	4.966E-13

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.403E-11	4.553E-11	2.195E-11	1.244E-11	8.718E-12	4.791E-12	1.929E-12	8.538E-13	4.706E-13	3.083E-13
SSW	2.255E-10	1.064E-10	4.551E-11	2.827E-11	1.821E-11	1.441E-11	7.389E-12	3.047E-12	1.639E-12	1.014E-12
SW	6.299E-10	2.888E-10	1.135E-10	5.508E-11	3.275E-11	1.370E-11	4.270E-12	2.080E-12	1.253E-12	7.909E-13
WSW	3.341E-10	1.551E-10	5.519E-11	2.637E-11	1.549E-11	6.690E-12	2.587E-12	1.158E-12	6.182E-13	3.826E-13
W	1.497E-09	4.245E-10	1.317E-10	6.286E-11	3.692E-11	1.487E-11	5.732E-12	2.923E-12	1.561E-12	9.660E-13
WNW	1.759E-09	8.084E-10	2.633E-10	1.179E-10	6.633E-11	2.565E-11	8.084E-12	4.111E-12	2.303E-12	1.425E-12
NW	2.154E-09	1.024E-09	3.293E-10	1.535E-10	9.520E-11	4.705E-11	1.916E-11	8.335E-12	4.449E-12	2.754E-12
NNW	1.552E-09	6.329E-10	2.440E-10	1.252E-10	7.371E-11	3.231E-11	1.136E-11	5.144E-12	2.954E-12	1.850E-12
N	1.183E-09	3.012E-10	8.748E-11	4.276E-11	2.567E-11	1.073E-11	4.469E-12	2.862E-12	1.485E-12	9.190E-13
NNE	5.659E-10	1.865E-10	6.682E-11	3.484E-11	2.116E-11	1.872E-11	7.914E-12	3.136E-12	1.675E-12	1.037E-12
NE	1.455E-10	4.947E-11	1.808E-11	9.474E-12	5.761E-12	3.657E-12	1.544E-12	6.246E-13	3.065E-13	1.897E-13
ENE	4.802E-11	3.415E-11	1.646E-11	9.173E-12	5.636E-12	2.464E-12	7.387E-13	2.886E-13	1.973E-13	1.385E-13
E	6.403E-11	4.553E-11	2.195E-11	1.223E-11	7.514E-12	3.285E-12	9.843E-13	3.846E-13	2.101E-13	1.863E-13
ESE	5.005E-10	1.939E-10	7.618E-11	4.065E-11	2.480E-11	1.075E-11	3.327E-12	1.395E-12	8.015E-13	5.286E-13
SE	6.403E-11	4.553E-11	2.195E-11	1.223E-11	7.514E-12	3.058E-12	9.387E-13	4.025E-13	9.170E-13	7.947E-13
SSE	6.403E-11	4.553E-11	2.195E-11	1.308E-11	1.368E-11	1.061E-11	4.696E-12	2.005E-12	1.036E-12	6.211E-13

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ERP ELEVATED STACK RELEASES - APR-JUN 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q		X/Q		D/Q
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	(PER SQ.METER)	
					NO DECAY	2.260 DAY DECAY	8.000 DAY DECAY		
					UNDEPLETED	UNDEPLETED	DEPLETED		
A	SITE BOUNDARY	S	0.88	1287.	1.620E-09	1.617E-09	1.619E-09	7.471E-11	
A	SITE BOUNDARY	SSW	0.82	1327.	8.216E-09	8.202E-09	8.059E-09	2.349E-10	
A	SITE BOUNDARY	SW	0.98	1569.	2.749E-08	2.744E-08	2.708E-08	4.818E-10	
A	SITE BOUNDARY	WSW	0.93	1489.	2.094E-08	2.090E-08	2.060E-08	2.556E-10	
A	SITE BOUNDARY	W	0.91	1468.	6.165E-08	6.156E-08	6.042E-08	1.103E-09	
A	SITE BOUNDARY	WNW	0.94	1509.	7.176E-08	7.168E-08	7.070E-08	1.694E-09	
A	SITE BOUNDARY	NW	0.81	1307.	6.759E-08	6.753E-08	6.650E-08	1.805E-09	
A	SITE BOUNDARY	NNW	0.69	1106.	4.174E-08	4.170E-08	4.097E-08	1.832E-09	
A	SITE BOUNDARY	N	0.67	1086.	2.667E-08	2.665E-08	2.613E-08	1.474E-09	
A	SITE BOUNDARY	NNE	0.60	965.	8.344E-09	8.340E-09	8.221E-09	7.364E-10	
A	SITE BOUNDARY	NE	0.62	1005.	2.654E-09	2.653E-09	2.613E-09	1.821E-10	
A	SITE BOUNDARY	ENE	0.59	945.	1.400E-10	1.399E-10	1.400E-10	3.479E-11	
A	SITE BOUNDARY	E	0.53	845.	9.895E-11	9.890E-11	9.894E-11	3.712E-11	
A	SITE BOUNDARY	ESE	0.54	865.	6.961E-09	6.957E-09	6.883E-09	6.421E-10	
A	SITE BOUNDARY	SE	0.65	1046.	5.172E-10	5.149E-10	5.171E-10	5.598E-11	
A	SITE BOUNDARY	SSE	0.81	1307.	1.531E-09	1.529E-09	1.530E-09	7.537E-11	
A	NEAR. RESIDENCE	SW	1.30	2092.	3.088E-08	3.077E-08	3.037E-08	4.359E-10	
A	NEAR. RESIDENCE	WSW	1.30	2092.	2.273E-08	2.267E-08	2.227E-08	2.192E-10	
A	NEAR. RESIDENCE	W	1.00	1609.	5.945E-08	5.934E-08	5.814E-08	9.134E-10	
A	NEAR. RESIDENCE	WNW	1.60	2575.	5.101E-08	5.090E-08	4.924E-08	7.322E-10	
A	NEAR. RESIDENCE	NW	0.90	1448.	7.623E-08	7.615E-08	7.508E-08	2.393E-09	
A	NEAR. RESIDENCE	NNW	1.90	3058.	3.117E-08	3.110E-08	3.032E-08	4.161E-10	
A	NEAR. RESIDENCE	N	3.00	4828.	3.587E-09	3.566E-09	3.414E-09	5.768E-11	
A	NEAR. RESIDENCE	NNE	2.70	4345.	3.855E-09	3.843E-09	3.721E-09	5.660E-11	
A	NEAR. RESIDENCE	ENE	1.70	2736.	2.346E-09	2.330E-09	2.310E-09	2.927E-11	
A	NEAR. RESIDENCE	E	1.80	2897.	1.827E-09	1.824E-09	1.798E-09	3.604E-11	
A	NEAR. RESIDENCE	ESE	2.40	3863.	4.434E-09	4.423E-09	4.260E-09	8.067E-11	
A	NEAREST COW	NNW	3.50	5633.	1.392E-08	1.386E-08	1.327E-08	1.224E-10	
A	NEAREST GARDEN	SW	1.30	2092.	3.088E-08	3.077E-08	3.037E-08	4.359E-10	
A	NEAREST GARDEN	WSW	1.80	2897.	1.476E-08	1.471E-08	1.427E-08	1.087E-10	
A	NEAREST GARDEN	WNW	1.60	2575.	5.101E-08	5.090E-08	4.924E-08	7.322E-10	
A	NEAREST GARDEN	NW	2.80	4506.	3.296E-08	3.286E-08	3.182E-08	2.421E-10	
A	NEAREST GARDEN	NNW	1.90	3058.	3.117E-08	3.110E-08	3.032E-08	4.161E-10	
A	NEAREST GARDEN	N	3.00	4828.	3.587E-09	3.566E-09	3.414E-09	5.768E-11	
A	NEAREST GARDEN	ENE	1.70	2736.	2.346E-09	2.330E-09	2.310E-09	2.927E-11	
A	NEAREST GARDEN	E	1.80	2897.	1.827E-09	1.824E-09	1.798E-09	3.604E-11	
A	NEAREST GARDEN	ESE	2.40	3863.	4.434E-09	4.423E-09	4.260E-09	8.067E-11	

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Atmospheric Diffusion Estimates

Elevated Releases

January-June 1995

ERP ELEVATED STACK RELEASES - JAN-JUN 1995
NO DECAY, UNDEPLETED
CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)		DISTANCE IN MILES									
SECTOR	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	3.300E-08	6.175E-08	7.050E-08	5.980E-08	4.614E-08	3.571E-08	2.806E-08	2.253E-08	1.851E-08	2.004E-08	2.100E-08
SSW	1.658E-08	2.475E-08	2.917E-08	2.958E-08	2.838E-08	2.401E-08	1.972E-08	2.049E-08	2.046E-08	1.781E-08	1.579E-08
SW	6.835E-09	3.083E-08	4.500E-08	5.677E-08	6.399E-08	4.073E-08	2.823E-08	2.084E-08	1.611E-08	1.290E-08	1.061E-08
WSW	2.087E-09	1.365E-08	2.627E-08	3.654E-08	5.594E-08	3.582E-08	2.519E-08	1.891E-08	1.490E-08	1.216E-08	1.020E-08
W	2.164E-08	4.057E-08	6.434E-08	6.371E-08	5.388E-08	3.467E-08	2.469E-08	1.878E-08	1.496E-08	1.232E-08	1.040E-08
WNW	1.218E-08	6.533E-08	1.159E-07	1.286E-07	1.184E-07	6.989E-08	4.651E-08	3.493E-08	2.766E-08	2.187E-08	1.784E-08
NW	1.485E-08	3.814E-08	9.624E-08	1.762E-07	2.471E-07	1.433E-07	9.431E-08	6.864E-08	5.271E-08	4.144E-08	3.364E-08
NNW	8.043E-09	2.270E-08	3.963E-08	5.189E-08	6.741E-08	6.411E-08	5.779E-08	5.128E-08	4.662E-08	3.687E-08	3.009E-08
N	5.869E-09	3.049E-08	3.801E-08	3.320E-08	2.676E-08	2.198E-08	1.804E-08	1.471E-08	1.222E-08	1.034E-08	8.882E-09
NNE	6.838E-09	3.423E-08	4.430E-08	3.673E-08	2.799E-08	2.245E-08	1.840E-08	1.538E-08	1.309E-08	1.133E-08	9.949E-09
NE	1.444E-09	1.560E-08	2.493E-08	2.330E-08	2.040E-08	1.749E-08	1.485E-08	1.266E-08	1.091E-08	9.521E-09	8.407E-09
ENE	1.546E-11	9.564E-10	3.125E-09	5.006E-09	6.447E-09	6.097E-09	5.341E-09	4.608E-09	3.990E-09	3.485E-09	3.077E-09
E	2.776E-16	2.442E-10	4.133E-09	8.233E-09	1.063E-08	9.611E-09	8.100E-09	6.776E-09	5.721E-09	4.896E-09	4.247E-09
ESE	1.422E-09	1.075E-08	1.778E-08	1.874E-08	1.756E-08	1.478E-08	1.218E-08	1.011E-08	8.521E-09	7.290E-09	6.330E-09
SE	6.034E-09	2.503E-08	3.285E-08	3.509E-08	3.467E-08	2.983E-08	2.481E-08	2.066E-08	1.741E-08	1.486E-08	1.286E-08
SSE	1.465E-08	5.674E-08	7.326E-08	6.984E-08	6.065E-08	4.950E-08	4.010E-08	3.289E-08	2.745E-08	3.691E-08	4.322E-08

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)		DISTANCE IN MILES									
BEARING	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.861E-08	1.304E-08	3.533E-09	4.955E-09	3.576E-09	2.766E-09	2.168E-09	1.767E-09	1.502E-09	1.299E-09	1.130E-09
SSW	1.470E-08	1.212E-08	7.915E-09	4.575E-09	3.298E-09	2.492E-09	1.947E-09	1.582E-09	1.323E-09	1.131E-09	9.826E-10
SW	9.395E-09	5.938E-09	3.796E-09	2.129E-09	1.444E-09	1.066E-09	8.327E-10	6.696E-10	5.546E-10	4.700E-10	4.055E-10
WSW	9.302E-09	7.402E-09	5.908E-09	4.133E-09	2.845E-09	2.135E-09	1.694E-09	1.390E-09	1.173E-09	1.010E-09	8.838E-10
W	8.969E-09	5.310E-09	4.296E-09	3.349E-09	2.808E-09	2.138E-09	1.690E-09	1.388E-09	1.170E-09	1.008E-09	8.822E-10
WNW	1.512E-08	8.513E-09	5.835E-09	3.628E-09	2.534E-09	1.919E-09	1.538E-09	1.269E-09	1.067E-09	9.138E-10	7.956E-10
NW	2.828E-08	1.532E-08	1.024E-08	6.075E-09	4.073E-09	2.994E-09	2.367E-09	1.924E-09	1.604E-09	1.366E-09	1.184E-09
NNW	2.578E-08	1.491E-08	9.727E-09	5.627E-09	3.833E-09	2.851E-09	2.263E-09	1.863E-09	1.597E-09	1.379E-09	1.201E-09
N	7.750E-09	4.659E-09	3.597E-09	2.563E-09	2.002E-09	1.600E-09	1.251E-09	1.015E-09	8.452E-10	7.198E-10	6.238E-10
NNE	1.128E-08	1.924E-08	1.257E-08	7.306E-09	4.999E-09	3.732E-09	2.943E-09	2.410E-09	2.028E-09	1.742E-09	1.522E-09
NE	9.535E-09	1.341E-08	8.668E-09	4.959E-09	3.355E-09	2.483E-09	1.960E-09	1.602E-09	1.343E-09	1.148E-09	9.979E-10
ENE	3.362E-09	4.417E-09	2.884E-09	1.664E-09	1.129E-09	8.365E-10	6.693E-10	5.513E-10	4.604E-10	3.930E-10	3.412E-10
E	4.405E-09	5.232E-09	3.406E-09	1.958E-09	1.324E-09	9.793E-10	7.659E-10	6.227E-10	5.310E-10	4.600E-10	3.992E-10
ESE	6.478E-09	7.635E-09	5.048E-09	2.959E-09	2.030E-09	1.516E-09	1.195E-09	9.777E-10	8.219E-10	7.054E-10	6.154E-10
SE	1.127E-08	6.845E-09	5.185E-09	3.580E-09	2.580E-09	2.008E-09	1.644E-09	1.392E-09	1.165E-09	9.956E-10	8.655E-10
SSE	3.665E-08	2.014E-08	1.284E-08	7.206E-09	4.811E-09	3.524E-09	2.737E-09	2.212E-09	1.840E-09	1.566E-09	1.355E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.380E-08	4.454E-08	2.789E-08	2.024E-08	1.983E-08	1.227E-08	5.137E-09	2.743E-09	1.781E-09	1.296E-09
SSW	2.837E-08	2.670E-08	2.117E-08	1.946E-08	1.599E-08	1.082E-08	4.750E-09	2.489E-09	1.588E-09	1.133E-09
SW	4.708E-08	5.205E-08	2.861E-08	1.623E-08	1.084E-08	5.754E-09	2.195E-09	1.074E-09	6.724E-10	4.712E-10
WSW	2.803E-08	4.269E-08	2.551E-08	1.500E-08	1.045E-08	7.160E-09	3.955E-09	2.148E-09	1.394E-09	1.011E-09
W	5.878E-08	4.753E-08	2.499E-08	1.594E-08	1.044E-08	5.672E-09	3.319E-09	2.137E-09	1.391E-09	1.010E-09
WNW	1.103E-07	9.912E-08	4.811E-08	2.753E-08	1.803E-08	8.791E-09	3.632E-09	1.931E-09	1.269E-09	9.155E-10
NW	1.189E-07	1.852E-07	9.712E-08	5.297E-08	3.397E-08	1.594E-08	6.111E-09	3.031E-09	1.929E-09	1.369E-09
NNW	4.132E-08	6.249E-08	5.687E-08	4.424E-08	3.050E-08	1.502E-08	5.741E-09	2.878E-09	1.876E-09	1.378E-09
N	3.420E-08	2.607E-08	1.776E-08	1.221E-08	8.894E-09	4.874E-09	2.543E-09	1.568E-09	1.018E-09	7.214E-10
NNE	3.870E-08	2.747E-08	1.827E-08	1.307E-08	1.085E-08	1.451E-08	7.451E-09	3.754E-09	2.417E-09	1.745E-09
NE	2.213E-08	1.975E-08	1.468E-08	1.088E-08	9.155E-09	1.044E-08	5.070E-09	2.507E-09	1.606E-09	1.150E-09
ENE	3.479E-09	5.971E-09	5.250E-09	3.974E-09	3.304E-09	3.501E-09	1.698E-09	8.477E-10	5.504E-10	3.938E-10
E	5.091E-09	9.644E-09	7.973E-09	5.708E-09	4.498E-09	4.237E-09	1.998E-09	9.860E-10	6.287E-10	4.585E-10
ESE	1.665E-08	1.659E-08	1.205E-08	8.507E-09	6.669E-09	6.228E-09	3.010E-09	1.525E-09	9.804E-10	7.066E-10
SE	3.211E-08	3.261E-08	2.449E-08	1.737E-08	1.286E-08	7.090E-09	3.492E-09	2.015E-09	1.377E-09	9.975E-10
SSE	6.807E-08	5.774E-08	3.973E-08	3.261E-08	3.892E-08	2.056E-08	7.394E-09	3.553E-09	2.220E-09	1.569E-09

ERP ELEVATED STACK RELEASES - JAN-JUN 1995
 2.260 DAY DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)		DISTANCE IN MILES									
SECTOR	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	3.300E-08	6.172E-08	7.043E-08	5.972E-08	4.603E-08	3.560E-08	2.794E-08	2.242E-08	1.839E-08	1.990E-08	2.082E-08
SSW	1.657E-08	2.473E-08	2.913E-08	2.953E-08	2.828E-08	2.390E-08	1.960E-08	2.034E-08	2.027E-08	1.762E-08	1.560E-08
SW	6.833E-09	3.080E-08	4.494E-08	5.665E-08	6.376E-08	4.053E-08	2.805E-08	2.067E-08	1.596E-08	1.276E-08	1.048E-08
WSW	2.086E-09	1.364E-08	2.624E-08	3.646E-08	5.571E-08	3.561E-08	2.499E-08	1.873E-08	1.473E-08	1.199E-08	1.004E-08
W	2.164E-08	4.053E-08	6.425E-08	6.357E-08	5.368E-08	3.446E-08	2.451E-08	1.861E-08	1.479E-08	1.215E-08	1.024E-08
WNW	1.217E-08	6.526E-08	1.157E-07	1.283E-07	1.179E-07	6.947E-08	4.615E-08	3.459E-08	2.733E-08	2.157E-08	1.757E-08
NW	1.484E-08	3.811E-08	9.613E-08	1.759E-07	2.464E-07	1.420E-07	9.386E-08	6.825E-08	5.236E-08	4.112E-08	3.334E-08
NNW	8.041E-09	2.268E-08	3.959E-08	5.180E-08	6.720E-08	6.383E-08	5.746E-08	5.092E-08	4.623E-08	3.651E-08	2.977E-08
N	5.868E-09	3.047E-08	3.798E-08	3.316E-08	2.671E-08	2.192E-08	1.797E-08	1.463E-08	1.215E-08	1.027E-08	8.815E-09
NNE	6.837E-09	3.421E-08	4.425E-08	3.667E-08	2.792E-08	2.237E-08	1.832E-08	1.530E-08	1.301E-08	1.125E-08	9.870E-09
NE	1.444E-09	1.559E-08	2.489E-08	2.324E-08	2.032E-08	1.740E-08	1.475E-08	1.256E-08	1.081E-08	9.420E-09	8.308E-09
ENE	1.546E-11	9.560E-10	3.121E-09	4.996E-09	6.426E-09	6.070E-09	5.311E-09	4.577E-09	3.958E-09	3.454E-09	3.047E-09
E	2.776E-16	2.440E-10	4.128E-09	8.219E-09	1.060E-08	9.575E-09	8.062E-09	6.737E-09	5.683E-09	4.858E-09	4.211E-09
ESE	1.421E-09	1.074E-08	1.774E-08	1.869E-08	1.749E-08	1.479E-08	1.210E-08	1.004E-08	8.444E-09	7.215E-09	6.257E-09
SE	6.032E-09	2.502E-08	3.283E-08	3.505E-08	3.460E-08	2.974E-08	2.472E-08	2.057E-08	1.731E-08	1.477E-08	1.277E-08
SSE	1.464E-08	5.671E-08	7.321E-08	6.977E-08	6.055E-08	4.939E-08	3.998E-08	3.277E-08	2.733E-08	3.670E-08	4.292E-08

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)		DISTANCE IN MILES									
BEARING	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.843E-08	1.282E-08	8.337E-09	4.780E-09	3.399E-09	2.591E-09	2.004E-09	1.611E-09	1.349E-09	1.150E-09	9.874E-10
SSW	1.449E-08	1.185E-08	7.678E-09	4.370E-09	3.104E-09	2.310E-09	1.778E-09	1.423E-09	1.173E-09	9.874E-10	8.456E-10
SW	9.266E-09	5.809E-09	3.686E-09	2.036E-09	1.361E-09	9.894E-10	7.613E-10	6.031E-10	4.923E-10	4.111E-10	3.496E-10
WSW	9.137E-09	7.171E-09	5.649E-09	3.850E-09	2.588E-09	1.895E-09	1.467E-09	1.175E-09	9.677E-10	8.132E-10	6.947E-10
W	8.814E-09	5.164E-09	4.128E-09	3.140E-09	2.567E-09	1.909E-09	1.475E-09	1.184E-09	9.757E-10	8.212E-10	7.025E-10
WNW	1.486E-08	8.282E-09	5.618E-09	3.420E-09	2.340E-09	1.735E-09	1.361E-09	1.100E-09	9.063E-10	7.600E-10	6.482E-10
NW	2.800E-08	1.509E-08	1.603E-08	5.890E-09	3.909E-09	2.844E-09	2.226E-09	1.791E-09	1.478E-09	1.246E-09	1.069E-09
NNW	2.547E-08	1.463E-08	9.482E-09	5.414E-09	3.641E-09	2.674E-09	2.095E-09	1.702E-09	1.439E-09	1.227E-09	1.055E-09
N	7.685E-09	4.600E-09	3.537E-09	2.499E-09	1.935E-09	1.532E-09	1.189E-09	9.557E-10	7.895E-10	6.669E-10	5.732E-10
NNE	1.118E-08	1.897E-08	1.234E-08	7.102E-09	4.813E-09	3.560E-09	2.781E-09	2.255E-09	1.880E-09	1.600E-09	1.385E-09
NE	9.413E-09	1.318E-08	8.472E-09	4.794E-09	3.209E-09	2.349E-09	1.835E-09	1.484E-09	1.231E-09	1.041E-09	8.958E-10
ENE	3.325E-09	4.341E-09	2.818E-09	1.608E-09	1.078E-09	7.901E-10	6.251E-10	5.091E-10	4.206E-10	3.551E-10	3.050E-10
E	4.363E-09	5.161E-09	3.344E-09	1.905E-09	1.277E-09	9.359E-10	7.255E-10	5.845E-10	4.940E-10	4.241E-10	3.648E-10
ESE	6.396E-09	7.514E-09	4.943E-09	2.869E-09	1.949E-09	1.442E-09	1.126E-09	9.124E-10	7.599E-10	6.462E-10	5.586E-10
SE	1.118E-08	6.768E-09	5.108E-09	3.500E-09	2.502E-09	1.931E-09	1.566E-09	1.312E-09	1.089E-09	9.226E-10	7.951E-10
SSE	3.636E-08	1.989E-08	1.263E-08	7.026E-09	4.650E-09	3.377E-09	2.600E-09	2.083E-09	1.718E-09	1.449E-09	1.244E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.373E-08	4.443E-08	2.777E-08	2.012E-08	1.967E-08	1.207E-08	4.957E-09	2.572E-09	1.624E-09	1.149E-09
SSW	2.833E-08	2.661E-08	2.104E-08	1.928E-08	1.579E-08	1.058E-08	4.543E-09	2.309E-09	1.429E-09	9.898E-10
SW	4.700E-08	5.185E-08	2.843E-08	1.608E-08	1.071E-08	5.634E-09	2.103E-09	9.972E-10	6.661E-10	4.124E-10
WSW	2.798E-08	4.250E-08	2.532E-08	1.483E-08	1.028E-08	6.931E-09	3.689E-09	1.909E-09	1.180E-09	8.151E-10
W	5.868E-08	4.735E-08	2.481E-08	1.487E-08	1.028E-08	5.515E-09	3.105E-09	1.911E-09	1.188E-09	8.230E-10
WNW	1.101E-07	9.869E-08	4.774E-08	2.721E-08	1.775E-08	8.559E-09	3.428E-09	1.747E-09	1.101E-09	7.620E-10
NW	1.187E-07	1.847E-07	9.667E-08	5.262E-08	3.367E-08	1.571E-08	5.931E-09	2.881E-09	1.796E-09	1.249E-09
NNW	4.126E-08	6.228E-08	5.654E-08	4.387E-08	3.017E-08	1.475E-08	5.530E-09	2.700E-09	1.714E-09	1.226E-09
N	3.417E-08	2.601E-08	1.769E-08	1.214E-08	8.827E-09	4.813E-09	2.479E-09	1.502E-09	9.589E-10	6.685E-10
NNE	3.865E-08	2.740E-08	1.819E-08	1.299E-08	1.076E-08	1.429E-08	7.249E-09	3.582E-09	2.262E-09	1.603E-09
NE	2.209E-08	1.967E-08	1.458E-08	1.078E-08	9.047E-09	1.025E-08	4.907E-09	2.373E-09	1.488E-09	1.044E-09
ENE	3.473E-09	5.950E-09	5.220E-09	3.943E-09	3.271E-09	3.439E-09	1.642E-09	8.010E-10	5.085E-10	3.559E-10
E	5.083E-09	9.616E-09	7.936E-09	5.670E-09	4.459E-09	4.176E-09	1.946E-09	9.428E-10	5.903E-10	4.228E-10
ESE	1.061E-08	1.652E-08	1.197E-08	8.431E-09	6.592E-09	6.123E-09	2.921E-09	1.451E-09	9.153E-10	6.475E-10
SE	3.208E-08	3.254E-08	2.440E-08	1.728E-08	1.278E-08	7.011E-09	3.414E-09	1.937E-09	1.300E-09	9.246E-10
SSE	6.832E-08	5.764E-08	3.961E-08	3.245E-08	3.865E-08	2.032E-08	7.215E-09	3.406E-09	2.092E-09	1.453E-09

ERP ELEVATED STACK RELEASES - JAN-JUN 1995
 8.000 DAY DECAY, DEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)									DISTANCE IN MILES												
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	3.390E-08	6.119E-08	6.907E-08	5.847E-08	4.496E-08	3.461E-08	2.701E-08	2.155E-08	1.759E-08	1.903E-08	1.994E-08	1.658E-08	2.453E-08	2.865E-08	2.912E-08	2.785E-08	2.340E-08	1.906E-08	1.970E-08	1.959E-08	1.697E-08	1.498E-08
SSW	6.835E-09	3.054E-08	4.424E-08	5.607E-08	6.279E-08	3.950E-08	2.710E-08	1.982E-08	1.520E-08	1.208E-08	9.874E-09	2.086E-09	1.353E-08	2.581E-08	3.605E-08	5.515E-08	3.509E-08	2.455E-08	1.837E-08	1.442E-08	1.174E-08	9.818E-09
SW	2.086E-09	1.353E-08	2.581E-08	3.605E-08	5.515E-08	3.509E-08	2.455E-08	1.837E-08	1.442E-08	1.174E-08	9.874E-09	2.164E-08	3.982E-08	6.328E-08	6.243E-08	5.243E-08	3.351E-08	2.375E-08	1.799E-08	1.428E-08	1.173E-08	9.889E-09
WSW	1.218E-08	6.474E-08	1.140E-07	1.263E-07	1.154E-07	6.736E-08	4.442E-08	3.315E-08	2.612E-08	2.053E-08	1.665E-08	1.485E-08	3.779E-08	9.506E-08	1.745E-07	2.429E-07	1.395E-07	9.103E-08	6.585E-08	5.031E-08	3.931E-08	3.172E-08
W	1.485E-08	3.779E-08	9.506E-08	1.745E-07	2.429E-07	1.395E-07	9.103E-08	6.585E-08	5.031E-08	3.931E-08	3.172E-08	8.042E-09	2.249E-08	3.899E-08	5.125E-08	6.647E-08	6.287E-08	5.648E-08	5.001E-08	4.542E-08	3.575E-08	2.903E-08
WNW	5.869E-09	3.021E-08	3.725E-08	3.249E-08	2.613E-08	2.138E-08	1.745E-08	1.415E-08	1.170E-08	9.851E-09	8.428E-09	6.838E-09	3.392E-08	4.335E-08	3.580E-08	2.722E-08	2.177E-08	1.779E-08	1.482E-08	1.258E-08	1.085E-08	9.507E-09
NW	1.444E-09	1.546E-08	2.440E-08	2.275E-08	1.989E-08	1.700E-08	1.438E-08	1.222E-08	1.049E-08	9.125E-09	8.035E-09	1.546E-11	9.406E-10	3.095E-09	4.974E-09	6.371E-09	5.984E-09	5.207E-09	4.467E-09	3.848E-09	3.346E-09	2.943E-09
N	2.776E-16	2.441E-10	4.131E-09	8.229E-09	1.053E-08	9.429E-09	7.878E-09	6.539E-09	5.482E-09	4.660E-09	4.019E-09	1.422E-09	1.065E-08	1.745E-08	1.841E-08	1.719E-08	1.438E-08	1.178E-08	9.715E-09	8.136E-09	6.924E-09	5.982E-09
NNW	6.033E-09	2.481E-08	3.234E-08	3.464E-08	3.413E-08	2.918E-08	2.411E-08	1.996E-08	1.672E-08	1.420E-08	1.223E-08	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08
NNE	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08
NE	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08
E	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08
ESE	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08
SE	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08
SSE	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08	1.465E-08	5.623E-08	7.195E-08	6.863E-08	5.946E-08	4.826E-08	3.887E-08	3.169E-08	2.630E-08	3.549E-08	4.167E-08

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										DISTANCE IN MILES											
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.762E-08	1.216E-08	7.707E-09	4.195E-09	2.818E-09	2.046E-09	1.522E-09	1.182E-09	9.633E-10	8.059E-10	6.804E-10	1.392E-08	1.136E-08	7.171E-09	3.876E-09	2.601E-09	1.882E-09	1.416E-09	1.111E-09	9.001E-10	7.462E-10	6.304E-10
SSW	8.702E-09	5.385E-09	3.334E-09	1.761E-09	1.124E-09	7.863E-10	5.899E-10	4.575E-10	3.665E-10	3.010E-10	2.521E-10	8.954E-09	7.023E-09	5.424E-09	3.592E-09	2.354E-09	1.692E-09	1.291E-09	1.023E-09	8.352E-10	6.973E-10	5.927E-10
SW	8.509E-09	4.996E-09	4.038E-09	2.971E-09	2.323E-09	1.695E-09	1.290E-09	1.023E-09	8.352E-10	6.977E-10	5.933E-10	1.403E-08	7.662E-09	5.089E-09	2.962E-09	1.916E-09	1.357E-09	1.033E-09	8.198E-10	6.651E-10	5.502E-10	4.637E-10
WSW	2.650E-08	1.391E-08	9.003E-09	5.018E-09	3.175E-09	2.221E-09	1.687E-09	1.325E-09	1.070E-09	8.853E-10	7.464E-10	2.473E-08	1.386E-08	8.729E-09	4.694E-09	2.943E-09	2.040E-09	1.523E-09	1.188E-09	9.774E-10	8.165E-10	6.890E-10
W	7.324E-09	4.332E-09	3.319E-09	2.347E-09	1.792E-09	1.370E-09	1.039E-09	8.188E-10	6.645E-10	5.524E-10	4.679E-10	1.082E-08	1.858E-08	1.173E-08	6.403E-09	4.124E-09	2.925E-09	2.205E-09	1.734E-09	1.406E-09	1.167E-09	9.874E-10
WNW	9.144E-09	1.288E-08	8.044E-09	4.325E-09	2.756E-09	1.939E-09	1.469E-09	1.162E-09	9.452E-10	7.854E-10	6.649E-10	3.219E-09	4.237E-09	2.674E-09	1.439E-09	9.010E-10	6.240E-10	4.705E-10	3.703E-10	2.984E-10	2.463E-10	2.072E-10
NW	4.163E-09	4.960E-09	3.125E-09	1.683E-09	1.058E-09	7.353E-10	5.445E-10	4.214E-10	3.432E-10	2.852E-10	2.391E-10	4.163E-09	4.960E-09	3.125E-09	1.683E-09	1.058E-09	7.353E-10	5.445E-10	4.214E-10	3.432E-10	2.852E-10	2.391E-10
NNW	6.119E-09	7.266E-09	4.651E-09	2.552E-09	1.624E-09	1.138E-09	8.480E-10	6.592E-10	5.287E-10	4.344E-10	3.638E-10	1.067E-08	6.371E-09	4.781E-09	3.265E-09	2.329E-09	1.800E-09	1.466E-09	1.230E-09	1.002E-09	8.359E-10	7.101E-10
N	1.067E-08	6.371E-09	4.781E-09	3.265E-09	2.329E-09	1.800E-09	1.466E-09	1.230E-09	1.002E-09	8.359E-10	7.101E-10	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10
NNE	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10
NE	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10
E	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10
ESE	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10
SE	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10
SSE	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10	3.512E-08	1.868E-08	1.149E-08	6.051E-09	3.803E-09	2.646E-09	1.963E-09	1.523E-09	1.220E-09	1.003E-09	8.400E-10

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	6.260E-08	4.336E-08	2.685E-08	1.927E-08	1.881E-08	1.139E-08	4.363E-09	2.042E-09	1.196E-09	8.060E-10
SSW	2.794E-08	2.615E-08	2.047E-08	1.863E-08	1.518E-08	1.006E-08	4.041E-09	1.887E-09	1.118E-09	7.489E-10
SW	4.645E-08	5.094E-08	2.749E-08	1.533E-08	1.009E-08	5.211E-09	1.827E-09	7.977E-10	4.606E-10	3.023E-10
WSW	2.763E-08	4.199E-08	2.489E-08	1.452E-08	1.007E-08	6.742E-09	3.449E-09	1.708E-09	1.028E-09	6.994E-10
W	5.769E-08	4.624E-08	2.405E-08	1.437E-08	9.925E-09	5.351E-09	2.920E-09	1.700E-09	1.028E-09	6.998E-10
WNW	1.085E-07	9.648E-08	4.603E-08	2.600E-08	1.683E-08	7.933E-09	2.969E-09	1.576E-09	8.219E-10	5.522E-10
NW	1.176E-07	1.817E-07	9.388E-08	5.056E-08	3.204E-08	1.453E-08	5.084E-09	2.262E-09	1.332E-09	8.886E-10
NNW	4.077E-08	6.148E-08	5.559E-08	4.305E-08	2.943E-08	1.400E-08	4.812E-09	2.074E-09	1.203E-09	8.170E-10
N	3.357E-08	2.543E-08	1.718E-08	1.170E-08	8.441E-08	4.547E-09	2.316E-09	1.350E-09	8.229E-10	5.543E-10
NNE	3.790E-08	2.670E-08	1.766E-08	1.256E-08	1.039E-08	1.381E-08	6.574E-09	2.957E-09	1.744E-09	1.172E-09
NE	2.168E-08	1.924E-08	1.421E-08	1.046E-08	8.769E-09	9.900E-09	4.454E-09	1.969E-09	1.167E-09	7.881E-10
ESE	3.453E-09	5.888E-09	5.118E-09	3.834E-09	3.165E-09	3.316E-09	1.474E-09	6.365E-10	3.715E-10	

ERP ELEVATED STACK RELEASES - JAN-JUN 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION

***** RELATIVE DEPOSITION PER UNIT AREA (M**2) AT FIXED POINTS BY DOWNWIND SECTORS *****											
DIRECTION FROM SITE	DISTANCES IN MILES										
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
S	5.908E-09	4.570E-09	3.535E-09	2.240E-09	1.013E-09	6.010E-10	3.991E-10	2.839E-10	2.116E-10	1.674E-10	1.507E-10
SSW	1.539E-09	1.335E-09	1.258E-09	9.390E-10	4.876E-10	3.070E-10	2.103E-10	1.521E-10	1.309E-10	1.051E-10	8.236E-11
SW	1.660E-09	1.344E-09	1.133E-09	7.766E-10	6.041E-10	3.268E-10	2.025E-10	1.376E-10	9.950E-11	7.532E-11	5.901E-11
WSW	9.618E-10	7.440E-10	5.757E-10	4.730E-10	2.560E-10	1.365E-10	8.381E-11	5.863E-11	4.083E-11	3.086E-11	2.416E-11
W	1.238E-09	1.989E-09	1.372E-09	7.968E-10	3.439E-10	1.835E-10	1.128E-10	7.620E-11	5.494E-11	4.152E-11	3.251E-11
WNW	3.024E-09	2.346E-09	2.850E-09	1.830E-09	9.818E-10	4.972E-10	2.955E-10	1.947E-10	1.415E-10	1.055E-10	8.230E-11
NW	3.197E-09	2.666E-09	2.363E-09	3.175E-09	1.917E-09	9.554E-10	5.650E-10	3.742E-10	2.694E-10	2.071E-10	1.677E-10
NNW	2.211E-09	1.779E-09	1.483E-09	1.008E-09	7.923E-10	4.261E-10	2.652E-10	2.103E-10	1.536E-10	1.197E-10	9.847E-11
N	3.581E-09	2.815E-09	2.248E-09	1.469E-09	6.839E-10	4.114E-10	2.753E-10	1.966E-10	1.468E-10	1.133E-10	8.959E-11
NNE	3.562E-09	2.702E-09	2.007E-09	1.219E-09	5.276E-10	3.066E-10	2.012E-10	1.422E-10	1.054E-10	8.132E-11	6.437E-11
NE	1.648E-09	1.268E-09	9.715E-10	6.097E-10	2.729E-10	1.612E-10	1.068E-10	7.586E-11	5.649E-11	4.354E-11	3.447E-11
ENE	1.450E-10	1.519E-10	1.794E-10	1.528E-10	8.644E-11	5.615E-11	3.907E-11	2.848E-11	2.149E-11	1.666E-11	1.319E-11
E	2.312E-11	1.387E-10	2.954E-10	3.059E-10	1.911E-10	1.281E-10	9.051E-11	6.649E-11	5.036E-11	3.908E-11	3.095E-11
ESE	7.040E-10	6.335E-10	6.286E-10	4.858E-10	2.585E-10	1.642E-10	1.131E-10	8.198E-11	6.169E-11	4.775E-11	3.781E-11
SE	2.244E-09	1.973E-09	1.895E-09	1.434E-09	7.519E-10	4.751E-10	3.261E-10	2.361E-10	1.776E-10	1.374E-10	1.088E-10
SSE	6.511E-09	5.316E-09	4.548E-09	3.158E-09	1.550E-09	9.537E-10	6.459E-10	4.643E-10	3.479E-10	3.218E-10	2.927E-10

DIRECTION FROM SITE	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	1.213E-10	7.002E-11	4.549E-11	2.546E-11	1.629E-11	1.253E-11	8.975E-12	6.732E-12	5.278E-12	4.200E-12	3.429E-12
SSW	6.726E-11	4.103E-11	2.695E-11	1.513E-11	1.038E-11	7.216E-12	5.173E-12	3.886E-12	3.099E-12	2.476E-12	2.021E-12
SW	4.816E-11	2.522E-11	1.577E-11	8.474E-12	5.356E-12	4.262E-12	3.203E-12	2.471E-12	1.921E-12	1.534E-12	1.252E-12
WSW	1.945E-11	1.607E-11	1.146E-11	7.080E-12	4.285E-12	2.873E-12	2.080E-12	1.562E-12	1.214E-12	9.699E-13	7.916E-13
W	2.617E-11	1.185E-11	9.699E-12	7.020E-12	4.701E-12	3.180E-12	2.278E-12	1.711E-12	1.330E-12	1.063E-12	8.673E-13
WNW	6.765E-11	3.296E-11	2.087E-11	1.142E-11	8.318E-12	5.777E-12	4.147E-12	3.120E-12	2.482E-12	1.983E-12	1.618E-12
NW	1.424E-10	8.128E-11	5.647E-11	3.519E-11	2.144E-11	1.440E-11	1.045E-11	7.849E-12	6.153E-12	4.915E-12	4.012E-12
NNW	8.492E-11	5.100E-11	3.635E-11	2.191E-11	1.407E-11	9.451E-12	6.689E-12	4.931E-12	3.794E-12	3.032E-12	2.475E-12
N	7.248E-11	3.463E-11	2.132E-11	1.148E-11	1.753E-11	1.175E-11	8.391E-12	6.302E-12	4.900E-12	3.915E-12	3.196E-12
NNE	5.209E-11	9.565E-11	5.947E-11	3.104E-11	1.901E-11	1.274E-11	9.119E-12	6.833E-12	5.303E-12	4.232E-12	3.451E-12
NE	2.787E-11	5.617E-11	3.541E-11	1.877E-11	1.153E-11	7.713E-12	5.436E-12	4.054E-12	3.197E-12	2.554E-12	2.085E-12
ENE	1.063E-11	1.698E-11	1.299E-11	8.219E-12	5.291E-12	3.503E-12	2.454E-12	1.518E-12	1.181E-12	9.443E-13	7.716E-13
E	2.493E-11	2.314E-11	1.606E-11	9.412E-12	5.944E-12	3.946E-12	2.784E-12	2.053E-12	1.574E-12	1.364E-12	1.112E-12
ESE	3.050E-11	3.250E-11	2.338E-11	1.416E-11	9.056E-12	6.038E-12	4.271E-12	3.155E-12	2.420E-12	1.914E-12	1.549E-12
SE	8.778E-11	4.175E-11	2.558E-11	1.362E-11	8.444E-12	5.899E-12	4.475E-12	3.165E-12	2.042E-12	1.582E-12	1.252E-12
SSE	2.433E-10	1.751E-10	1.075E-10	5.527E-11	3.362E-11	2.251E-11	1.610E-11	1.206E-11	9.358E-12	7.463E-12	6.084E-12

***** RELATIVE DEPOSITION PER UNIT AREA (M**2) BY DOWNWIND SECTORS *****										
DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	3.190E-09	1.103E-09	4.069E-10	2.154E-10	1.447E-10	7.052E-11	2.584E-11	1.211E-11	6.819E-12	4.234E-12
SSW	1.133E-09	5.076E-10	2.128E-10	1.298E-10	8.352E-11	4.060E-11	1.564E-11	7.241E-12	3.954E-12	2.492E-12
SW	1.021E-09	5.192E-10	2.097E-10	1.012E-10	5.982E-11	2.611E-11	8.709E-12	4.130E-12	2.470E-12	1.545E-12
WSW	5.675E-10	2.511E-10	8.699E-11	4.154E-11	2.440E-11	1.477E-11	6.811E-12	2.932E-12	1.577E-12	9.762E-13
W	1.253E-09	3.733E-10	1.170E-10	5.590E-11	3.283E-11	1.408E-11	6.584E-12	3.225E-12	1.728E-12	1.070E-12
WNW	2.285E-09	9.550E-10	3.090E-10	1.430E-10	8.376E-11	3.530E-11	1.214E-11	5.803E-12	3.170E-12	1.996E-12
NW	2.792E-09	1.769E-09	5.928E-10	2.756E-10	1.700E-10	8.384E-11	3.381E-11	1.470E-11	7.946E-12	4.948E-12
NNW	1.338E-09	6.774E-10	2.861E-10	1.569E-10	9.973E-11	5.203E-11	2.164E-11	9.579E-12	5.000E-12	3.051E-12
N	2.028E-09	7.374E-10	2.801E-10	1.483E-10	9.031E-11	3.713E-11	1.635E-11	1.195E-11	6.365E-12	3.941E-12
NNE	1.811E-09	5.830E-10	2.057E-10	1.068E-10	6.484E-11	6.989E-11	3.201E-11	1.296E-11	6.903E-12	4.260E-12
NE	8.767E-10	2.981E-10	1.089E-10	5.709E-11	3.472E-11	4.065E-11	1.925E-11	7.821E-12	4.123E-12	2.571E-12
ENE	1.615E-10	8.772E-11	3.939E-11	2.165E-11	1.327E-11	1.380E-11	7.977E-12	3.560E-12	1.657E-12	9.505E-13
E	2.653E-10	1.886E-10	9.093E-11	5.067E-11	3.113E-11	2.039E-11	9.347E-12	4.014E-12	2.079E-12	1.333E-12
ESE	5.662E-10	2.671E-10	1.143E-10	6.218E-11	3.805E-11	2.800E-11	1.394E-11	6.136E-12	3.194E-12	1.929E-12
SE	1.707E-09	7.805E-10	3.299E-10	1.790E-10	1.095E-10	4.479E-11	1.398E-11	6.008E-12	7.016E-12	5.625E-12
SSE	4.101E-09	1.642E-09	6.554E-10	3.712E-10	2.830E-10	1.602E-10	5.726E-11	2.291E-11	1.218E-11	7.514E-12

ERP ELEVATED STACK RELEASES - JAN-JUN 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q		X/Q		X/Q	
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	(PER. SQ.METER)
					NO DECAY		2.260 DAY DECAY		8.000 DAY DECAY	
				UNDEPLETED	UNDEPLETED	UNDEPLETED	DEPLETED			
A	SITE BOUNDARY	S	0.80	1287.	6.813E-08	6.806E-08	6.668E-08	3.224E-09		
A	SITE BOUNDARY	SSW	0.82	1327.	2.913E-08	2.909E-08	2.862E-08	1.164E-09		
A	SITE BOUNDARY	SW	0.98	1569.	5.563E-08	5.552E-08	5.491E-08	8.114E-10		
A	SITE BOUNDARY	WSW	0.93	1489.	3.301E-08	3.295E-08	3.252E-08	4.241E-10		
A	SITE BOUNDARY	W	0.91	1468.	6.491E-08	6.479E-08	6.370E-08	9.388E-10		
A	SITE BOUNDARY	WNW	0.94	1509.	1.268E-07	1.265E-07	1.246E-07	2.082E-09		
A	SITE BOUNDARY	NW	0.81	1307.	1.155E-07	1.153E-07	1.142E-07	2.184E-09		
A	SITE BOUNDARY	NNW	0.69	1106.	3.445E-08	3.441E-08	3.389E-08	1.535E-09		
A	SITE BOUNDARY	N	0.67	1086.	3.635E-08	3.633E-08	3.570E-08	2.377E-09		
A	SITE BOUNDARY	NNE	0.60	965.	4.010E-08	4.007E-08	3.949E-08	2.376E-09		
A	SITE BOUNDARY	NE	0.62	1005.	2.123E-08	2.121E-08	2.089E-08	1.097E-09		
A	SITE BOUNDARY	ENE	0.59	945.	1.513E-09	1.512E-09	1.497E-09	1.593E-10		
A	SITE BOUNDARY	E	0.53	845.	3.938E-10	3.935E-10	3.937E-10	1.538E-10		
A	SITE BOUNDARY	ESE	0.54	865.	1.187E-08	1.185E-08	1.174E-08	6.271E-10		
A	SITE BOUNDARY	SE	0.65	1046.	2.894E-08	2.892E-08	2.851E-08	1.895E-09		
A	SITE BOUNDARY	SSE	0.81	1307.	7.248E-08	7.243E-08	7.116E-08	4.166E-09		
A	NEAR. RESIDENCE	SW	1.30	2092.	6.468E-08	6.449E-08	6.371E-08	8.113E-10		
A	NEAR. RESIDENCE	WSW	1.30	2092.	5.048E-08	5.031E-08	4.980E-08	3.471E-10		
A	NEAR. RESIDENCE	W	1.00	1609.	6.371E-08	6.357E-08	6.243E-08	7.968E-10		
A	NEAR. RESIDENCE	WNW	1.60	2575.	1.053E-07	1.048E-07	1.024E-07	8.426E-10		
A	NEAR. RESIDENCE	NW	0.90	1448.	1.441E-07	1.439E-07	1.427E-07	3.553E-09		
A	NEAR. RESIDENCE	NNW	1.90	3058.	6.523E-08	6.496E-08	6.403E-08	4.767E-10		
A	NEAR. RESIDENCE	N	3.00	4828.	1.471E-08	1.463E-08	1.415E-08	1.966E-10		
A	NEAR. RESIDENCE	NNE	2.70	4345.	1.709E-08	1.701E-08	1.650E-08	1.739E-10		
A	NEAR. RESIDENCE	ENE	1.70	2736.	6.414E-09	6.390E-09	6.321E-09	7.155E-11		
A	NEAR. RESIDENCE	E	1.80	2897.	1.016E-08	1.013E-08	1.001E-08	1.493E-10		
A	NEAR. RESIDENCE	ESE	2.40	3863.	1.266E-08	1.258E-08	1.225E-08	1.212E-10		
A	NEAREST COW	NNW	3.50	5633.	4.661E-08	4.622E-08	4.541E-08	1.535E-10		
A	NEAREST GARDEN	SW	1.30	2092.	6.468E-08	6.449E-08	6.371E-08	8.113E-10		
A	NEAREST GARDEN	WSW	1.80	2897.	4.227E-08	4.205E-08	4.150E-08	1.715E-10		
A	NEAREST GARDEN	WNW	1.60	2575.	1.053E-07	1.048E-07	1.024E-07	8.426E-10		
A	NEAREST GARDEN	NW	2.80	4506.	7.737E-08	7.696E-08	7.439E-08	4.364E-10		
A	NEAREST GARDEN	NNW	1.90	3058.	6.523E-08	6.496E-08	6.403E-08	4.767E-10		
A	NEAREST GARDEN	N	3.00	4828.	1.471E-08	1.463E-08	1.415E-08	1.966E-10		
A	NEAREST GARDEN	ENE	1.70	2736.	6.414E-09	6.390E-09	6.321E-09	7.155E-11		
A	NEAREST GARDEN	E	1.80	2897.	1.016E-08	1.013E-08	1.001E-08	1.493E-10		
A	NEAREST GARDEN	ESE	2.40	3863.	1.266E-08	1.258E-08	1.225E-08	1.212E-10		

B299

Atmospheric Diffusion Estimates

Elevated Releases

July-September 1995

ERP ELEVATED STACK RELEASES - JUL-SEP 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	2.411E-17	1.719E-11	9.307E-10	3.635E-09	7.794E-09	4.509E-09	2.953E-09	2.131E-09	1.621E-09	1.269E-09	1.026E-09
NNW	6.472E-09	1.055E-08	1.453E-08	1.537E-08	1.583E-08	1.357E-08	1.136E-08	9.302E-09	7.652E-09	5.943E-09	4.776E-09
N	4.669E-09	1.304E-08	9.580E-09	6.204E-09	3.882E-09	2.934E-09	2.395E-09	2.017E-09	1.762E-09	1.578E-09	1.439E-09
NNE	1.938E-16	1.237E-10	1.763E-09	3.267E-09	4.107E-09	3.793E-09	3.302E-09	2.861E-09	2.500E-09	2.210E-09	1.977E-09
NE	6.628E-11	3.692E-09	5.326E-09	3.855E-09	2.039E-09	1.230E-09	8.188E-10	5.848E-10	4.396E-10	3.434E-10	2.765E-10
ENE	5.538E-11	2.786E-09	3.780E-09	2.527E-09	1.139E-09	6.021E-10	3.618E-10	2.380E-10	1.673E-10	1.235E-10	9.471E-11
E	2.418E-11	1.172E-09	1.728E-09	1.401E-09	1.085E-09	9.282E-10	8.016E-10	6.943E-10	6.051E-10	5.316E-10	4.713E-10
ESE	1.051E-16	5.226E-11	6.907E-10	1.205E-09	1.338E-09	1.106E-09	8.752E-10	6.973E-10	5.654E-10	4.672E-10	3.929E-10
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	8.566E-10	4.489E-10	2.921E-10	1.665E-10	1.109E-10	8.098E-11	6.288E-11	5.069E-11	4.208E-11	3.571E-11	3.085E-11
NNW	3.984E-09	2.079E-09	1.323E-09	7.407E-10	4.944E-10	3.621E-10	2.817E-10	2.280E-10	1.903E-10	1.620E-10	1.401E-10
N	1.336E-09	1.042E-09	1.179E-09	1.316E-09	1.190E-09	9.814E-10	7.764E-10	6.353E-10	5.340E-10	4.584E-10	4.000E-10
NNE	2.400E-09	4.201E-09	2.733E-09	1.574E-09	1.068E-09	7.920E-10	6.211E-10	5.060E-10	4.240E-10	3.629E-10	3.159E-10
NE	2.427E-10	1.323E-10	7.898E-11	4.162E-11	2.807E-11	2.077E-11	1.628E-11	1.328E-11	1.115E-11	9.561E-12	8.342E-12
ENE	7.542E-11	3.223E-11	1.796E-11	9.199E-12	6.899E-12	5.519E-12	4.600E-12	3.943E-12	3.450E-12	3.067E-12	2.760E-12
E	5.181E-10	5.002E-10	3.209E-10	1.815E-10	1.219E-10	8.965E-11	6.980E-11	5.652E-11	4.730E-11	4.038E-11	3.497E-11
ESE	3.634E-10	2.286E-10	1.419E-10	7.617E-11	4.899E-11	3.480E-11	2.632E-11	2.079E-11	1.694E-11	1.415E-11	1.204E-11
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	1.930E-09	5.410E-09	3.039E-09	1.632E-09	1.035E-09	4.698E-10	1.697E-10	8.171E-11	5.089E-11	3.580E-11
NNW	1.402E-08	1.472E-08	1.113E-08	7.472E-09	4.828E-09	2.166E-09	7.606E-10	3.652E-10	2.290E-10	1.623E-10
N	8.847E-09	3.977E-09	2.387E-09	1.765E-09	1.442E-09	1.168E-09	1.230E-09	9.551E-10	6.370E-10	4.592E-10
NNE	2.067E-09	3.780E-09	3.257E-09	2.493E-09	2.203E-09	3.148E-09	1.607E-09	7.973E-10	5.077E-10	3.636E-10
NE	4.309E-09	2.083E-09	8.348E-10	4.445E-10	2.838E-10	1.331E-10	4.390E-11	2.092E-11	1.333E-11	9.579E-12
ENE	3.002E-09	1.209E-09	3.764E-10	1.708E-10	9.609E-11	3.549E-11	1.012E-11	5.520E-12	3.943E-12	3.067E-12
E	1.459E-09	1.086E-09	7.924E-10	6.026E-10	5.065E-10	4.245E-10	1.860E-10	9.031E-11	5.680E-11	4.043E-11
ESE	7.776E-10	1.205E-09	8.655E-10	5.657E-10	4.040E-10	2.200E-10	7.871E-11	3.519E-11	2.090E-11	1.420E-11
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

B301

ERP ELEVATED STACK RELEASES - JUL-SEP 1995
 2.260 DAY DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)			DISTANCE IN MILES							
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	2.411E-17	1.718E-11	9.301E-10	3.632E-09	7.786E-09	4.503E-09	2.948E-09	2.126E-09	1.617E-09	1.265E-09	1.023E-09
NNW	6.471E-09	1.054E-08	1.452E-08	1.536E-08	1.581E-08	1.355E-08	1.133E-08	9.275E-09	7.626E-09	5.920E-09	4.756E-09
N	4.668E-09	1.303E-08	4.574E-09	6.199E-09	3.879E-09	2.930E-09	2.391E-09	2.012E-09	1.757E-09	1.574E-09	1.434E-09
NNE	1.938E-16	1.237E-10	1.762E-09	3.264E-09	4.101E-09	3.785E-09	3.294E-09	2.852E-09	2.490E-09	2.200E-09	1.966E-09
NE	6.627E-11	3.691E-09	5.322E-09	3.851E-09	2.037E-09	1.228E-09	8.171E-10	5.834E-10	4.383E-10	3.423E-10	2.755E-10
ENE	5.537E-11	2.785E-09	3.778E-09	2.525E-09	1.138E-09	6.014E-10	3.612E-10	2.376E-10	1.669E-10	1.232E-10	9.445E-11
E	2.418E-11	1.172E-09	1.728E-09	1.400E-09	1.084E-09	9.272E-10	8.004E-10	6.931E-10	6.039E-10	5.304E-10	4.701E-10
ESE	1.051E-16	5.224E-11	6.904E-10	1.205E-09	1.337E-09	1.105E-09	8.740E-10	6.961E-10	5.643E-10	4.661E-10	3.919E-10
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)			DISTANCE IN MILES							
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	9.535E-10	4.465E-10	2.900E-10	1.648E-10	1.093E-10	7.955E-11	6.155E-11	4.945E-11	4.089E-11	3.459E-11	2.977E-11
NNW	3.964E-09	2.064E-09	1.310E-09	7.297E-10	4.846E-10	3.532E-10	2.734E-10	2.201E-10	1.828E-10	1.548E-10	1.332E-10
N	1.331E-09	1.035E-09	1.169E-09	1.297E-09	1.167E-09	9.575E-10	7.537E-10	6.137E-10	5.133E-10	4.384E-10	3.807E-10
NNE	2.385E-09	4.150E-09	2.688E-09	1.536E-09	1.033E-09	7.598E-10	5.908E-10	4.773E-10	3.966E-10	3.366E-10	2.904E-10
NE	2.417E-10	1.314E-10	7.834E-11	4.111E-11	2.761E-11	2.034E-11	1.589E-11	1.290E-11	1.079E-11	9.212E-12	8.005E-12
ENE	7.520E-11	3.209E-11	1.786E-11	9.116E-12	6.817E-12	5.437E-12	4.518E-12	3.861E-12	3.368E-12	2.985E-12	2.679E-12
E	5.166E-10	4.980E-10	3.191E-10	1.799E-10	1.205E-10	8.834E-11	6.858E-11	5.537E-11	4.620E-11	3.933E-11	3.396E-11
ESE	3.624E-10	2.277E-10	1.412E-10	7.554E-11	4.845E-11	3.432E-11	2.589E-11	2.039E-11	1.657E-11	1.380E-11	1.172E-11
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	1.928E-09	5.404E-09	3.034E-09	1.628E-09	1.032E-09	4.674E-10	1.679E-10	8.028E-11	4.965E-11	3.467E-11
NNW	1.401E-08	1.470E-08	1.110E-08	7.447E-09	4.807E-09	2.151E-09	7.497E-10	3.563E-10	2.211E-10	1.551E-10
N	8.842E-09	3.973E-09	2.383E-09	1.760E-09	1.437E-09	1.160E-09	1.211E-09	9.319E-10	6.154E-10	4.392E-10
NNE	2.066E-09	3.775E-09	3.248E-09	2.483E-09	2.190E-09	3.108E-09	1.569E-09	7.651E-10	4.790E-10	3.373E-10
NE	4.306E-09	2.080E-09	8.331E-10	4.432E-10	2.828E-10	1.323E-10	4.338E-11	2.050E-11	1.295E-11	9.231E-12
ENE	3.001E-09	1.208E-09	3.758E-10	1.705E-10	9.584E-11	3.534E-11	1.004E-11	5.437E-12	3.861E-12	2.985E-12
E	1.459E-09	1.085E-09	7.913E-10	6.014E-10	5.052E-10	4.226E-10	1.844E-10	8.901E-11	5.565E-11	3.938E-11
ESE	7.772E-10	1.204E-09	8.644E-10	5.646E-10	4.030E-10	2.192E-10	7.809E-11	3.472E-11	2.051E-11	1.385E-11
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

B302

ERP ELEVATED STACK RELEASES - JUL-SEP 1995
 8.000 DAY DECAY, DEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE SECTOR	CHI/Q (SEC/METER CUBED)										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	2.411E-17	1.719E-11	9.305E-10	3.622E-09	7.742E-09	4.460E-09	2.911E-09	2.095E-09	1.590E-09	1.240E-09	9.984E-10
NNW	6.471E-09	1.045E-08	1.427E-08	1.512E-08	1.554E-08	1.325E-08	1.105E-08	9.017E-09	7.395E-09	5.711E-09	4.563E-09
N	4.669E-09	1.292E-08	9.374E-09	6.052E-09	3.781E-09	2.849E-09	2.318E-09	1.946E-09	1.697E-09	1.519E-09	1.384E-09
NNE	1.938E-16	1.237E-10	1.763E-09	3.266E-09	4.071E-09	3.733E-09	3.231E-09	2.785E-09	2.424E-09	2.136E-09	1.905E-09
NE	6.628E-11	3.659E-09	5.201E-09	3.727E-09	1.946E-09	1.162E-09	7.666E-10	5.430E-10	4.049E-10	3.139E-10	2.509E-10
ENE	5.538E-11	2.761E-09	3.687E-09	2.433E-09	1.074E-09	5.584E-10	3.307E-10	2.149E-10	1.494E-10	1.092E-10	8.295E-11
E	2.418E-11	1.162E-09	1.690E-09	1.362E-09	1.056E-09	9.052E-10	7.828E-10	6.785E-10	5.914E-10	5.196E-10	4.606E-10
ESE	1.051E-16	5.225E-11	6.906E-10	1.205E-09	1.325E-09	1.084E-09	8.493E-10	6.700E-10	5.382E-10	4.408E-10	3.675E-10
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

ANNUAL AVERAGE BEARING	CHI/Q (SEC/METER CUBED)										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	8.288E-10	4.205E-10	2.642E-10	1.420E-10	9.034E-11	6.349E-11	4.765E-11	3.726E-11	3.007E-11	2.487E-11	2.097E-11
NNW	3.783E-09	1.911E-09	1.176E-09	6.157E-10	3.818E-10	2.627E-10	1.939E-10	1.504E-10	1.215E-10	1.003E-10	8.436E-11
N	1.284E-09	1.001E-09	1.143E-09	1.285E-09	1.129E-09	8.829E-10	6.777E-10	5.397E-10	4.426E-10	3.713E-10	3.171E-10
NNE	2.323E-09	4.072E-09	2.556E-09	1.379E-09	8.760E-10	6.146E-10	4.592E-10	3.584E-10	2.887E-10	2.382E-10	2.004E-10
NE	2.189E-10	1.158E-10	6.661E-11	3.300E-11	2.113E-11	1.495E-11	1.128E-11	8.877E-12	7.212E-12	6.002E-12	5.090E-12
ENE	6.549E-11	2.717E-11	1.471E-11	7.127E-12	5.076E-12	3.854E-12	3.049E-12	2.519E-12	2.134E-12	1.840E-12	1.610E-12
E	5.077E-10	4.873E-10	3.021E-10	1.589E-10	9.808E-11	6.721E-11	4.921E-11	3.771E-11	3.002E-11	2.470E-11	2.080E-11
ESE	3.372E-10	2.042E-10	1.230E-10	6.292E-11	3.898E-11	2.683E-11	1.974E-11	1.521E-11	1.213E-11	9.923E-12	8.287E-12
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	1.924E-09	5.368E-09	2.998E-09	1.601E-09	1.007E-09	4.418E-10	1.462E-10	6.431E-11	3.749E-11	2.496E-11
NNW	1.380E-08	1.443E-08	1.082E-08	7.217E-09	4.614E-09	2.000E-09	6.362E-10	2.669E-10	1.518E-10	1.007E-10
N	8.685E-09	3.871E-09	2.311E-09	1.701E-09	1.387E-09	1.127E-09	1.184E-09	8.664E-10	5.421E-10	3.723E-10
NNE	2.067E-09	3.742E-09	3.186E-09	2.417E-09	2.128E-09	3.010E-09	1.417E-09	6.222E-10	3.606E-10	2.392E-10
NE	4.203E-09	1.993E-09	7.825E-10	4.097E-10	2.577E-10	1.169E-10	3.519E-11	1.513E-11	8.928E-12	6.023E-12
ENE	2.924E-09	1.147E-09	3.451E-10	1.528E-10	8.425E-11	3.015E-11	7.901E-12	3.858E-12	2.524E-12	1.842E-12
E	1.427E-09	1.057E-09	7.737E-10	5.889E-10	4.955E-10	4.095E-10	1.637E-10	6.824E-11	3.806E-11	2.483E-11
ESE	7.775E-10	1.191E-09	8.402E-10	5.388E-10	3.780E-10	1.976E-10	6.562E-11	2.724E-11	1.533E-11	9.971E-12
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

ERP ELEVATED STACK RELEASES - JUL-SEP 1995
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

***** RELATIVE DEPOSITION PER UNIT AREA (M**2) AT FIXED POINTS BY DOWNWIND SECTORS *****												
DIRECTION FROM SITE	DISTANCES IN MILES											
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	1.502E-12	9.010E-12	1.918E-11	5.216E-11	3.474E-11	1.750E-11	1.070E-11	7.556E-12	5.990E-12	5.165E-12	4.726E-12	4.000E+00
NNW	1.471E-09	1.133E-09	8.676E-10	5.445E-10	3.754E-10	2.000E-10	1.227E-10	9.420E-11	6.724E-11	5.108E-11	4.076E-11	0.000E+00
N	8.843E-10	6.886E-10	5.398E-10	3.466E-10	1.586E-10	9.471E-11	6.310E-11	4.497E-11	3.354E-11	2.587E-11	2.048E-11	0.000E+00
NNE	1.201E-11	7.208E-11	1.535E-10	1.590E-10	9.929E-11	6.658E-11	4.703E-11	3.455E-11	2.616E-11	2.031E-11	1.608E-11	0.000E+00
NE	5.840E-10	4.260E-10	2.895E-10	1.582E-10	6.025E-11	3.262E-11	2.051E-11	1.414E-11	1.037E-11	7.939E-12	6.282E-12	0.000E+00
ENE	5.825E-10	4.170E-10	2.783E-10	1.383E-10	4.784E-11	2.430E-11	1.463E-11	9.826E-12	7.098E-12	5.401E-12	4.272E-12	0.000E+00
E	2.928E-10	2.175E-10	1.543E-10	8.903E-11	3.633E-11	2.047E-11	1.319E-11	9.231E-12	6.819E-12	5.239E-12	4.146E-12	0.000E+00
ESE	6.007E-12	3.604E-11	7.674E-11	7.948E-11	4.965E-11	3.329E-11	2.351E-11	1.727E-11	1.308E-11	1.015E-11	8.041E-12	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

DIRECTION FROM SITE	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	3.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	4.500E-12	3.524E-12	2.791E-12	1.602E-12	9.698E-13	6.503E-13	4.659E-13	3.499E-13	2.720E-13	2.173E-13	1.774E-13
NNW	3.400E-11	1.819E-11	1.223E-11	7.052E-12	4.532E-12	3.096E-12	2.389E-12	1.758E-12	1.367E-12	1.092E-12	8.910E-13
N	1.656E-11	7.916E-12	4.877E-12	2.633E-12	8.418E-12	4.711E-12	3.375E-12	2.535E-12	1.971E-12	1.574E-12	1.285E-12
NNE	1.295E-11	2.064E-11	1.320E-11	7.092E-12	4.369E-12	2.916E-12	2.073E-12	1.542E-12	1.190E-12	9.438E-13	7.657E-13
NE	5.100E-12	3.538E-12	2.143E-12	1.083E-12	6.556E-13	4.396E-13	3.150E-13	2.365E-13	1.839E-13	1.469E-13	1.199E-13
ENE	3.481E-12	1.719E-12	1.071E-12	6.010E-13	4.142E-13	3.098E-13	2.441E-13	1.595E-13	1.239E-13	9.897E-14	8.078E-14
E	3.360E-12	5.436E-12	4.218E-12	2.711E-12	1.768E-12	1.184E-12	8.382E-13	6.191E-13	4.737E-13	3.103E-13	2.532E-13
ESE	6.476E-12	3.549E-12	2.057E-12	1.004E-12	6.033E-13	4.065E-13	2.944E-13	2.241E-13	1.769E-13	1.437E-13	1.192E-13
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

***** RELATIVE DEPOSITION PER UNIT AREA (M**2) BY DOWNWIND SECTORS *****										
DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	3.158E-11	3.095E-11	1.126E-11	6.123E-12	4.772E-12	3.415E-12	1.585E-12	6.617E-13	3.534E-13	2.187E-13
NNW	7.829E-10	3.350E-10	1.319E-10	6.879E-11	4.131E-11	1.905E-11	7.082E-12	3.196E-12	1.789E-12	1.099E-12
N	4.870E-10	1.720E-10	6.427E-11	3.388E-11	2.062E-11	8.485E-12	5.703E-12	5.165E-12	2.560E-12	1.585E-12
NNE	1.378E-10	9.801E-11	4.725E-11	2.633E-11	1.618E-11	1.563E-11	7.240E-12	2.966E-12	1.560E-12	9.507E-13
NE	2.615E-10	6.974E-11	2.119E-11	1.052E-11	6.335E-12	3.265E-12	1.129E-12	4.473E-13	2.389E-13	1.479E-13
ENE	2.442E-10	5.748E-11	1.529E-11	7.231E-12	4.313E-12	1.822E-12	6.224E-13	3.114E-13	1.701E-13	9.962E-14
E	1.394E-10	4.099E-11	1.355E-11	6.906E-12	4.179E-12	4.433E-12	2.627E-12	1.201E-12	6.263E-13	3.376E-13
ESE	6.891E-11	4.901E-11	2.362E-11	1.316E-11	8.088E-12	3.536E-12	1.060E-12	4.141E-13	2.262E-13	1.445E-13
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

ERP ELEVATED STACK RELEASES - JUL-SEP 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q			D/Q
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	(PER SQ.METER)
			NO DECAY			2.260 DAY DECAY	8.000 DAY DECAY	
					UNDEPLETED	UNDEPLETED	DEPLETED	
A	SITE BOUNDARY	S	0.80	1287.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	SITE BOUNDARY	SSW	0.82	1327.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	SITE BOUNDARY	SW	0.98	1569.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	SITE BOUNDARY	WSW	0.93	1489.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	SITE BOUNDARY	W	0.91	1468.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	SITE BOUNDARY	WNW	0.94	1509.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	SITE BOUNDARY	NW	0.81	1307.	1.448E-09	1.448E-09	1.448E-09	2.028E-11
A	SITE BOUNDARY	NNW	0.69	1106.	1.342E-08	1.341E-08	1.319E-08	9.189E-10
A	SITE BOUNDARY	N	0.67	1086.	1.044E-08	1.044E-08	1.025E-08	5.742E-10
A	SITE BOUNDARY	NNE	0.60	965.	5.479E-10	5.477E-10	5.478E-10	1.039E-10
A	SITE BOUNDARY	NE	0.62	1005.	4.944E-09	4.941E-09	4.860E-09	3.500E-10
A	SITE BOUNDARY	ENE	0.59	945.	3.465E-09	3.463E-09	3.413E-09	3.585E-10
A	SITE BOUNDARY	E	0.53	845.	1.278E-09	1.277E-09	1.264E-09	2.097E-10
A	SITE BOUNDARY	ESE	0.54	865.	9.909E-11	9.906E-11	9.908E-11	4.191E-11
A	SITE BOUNDARY	SE	0.65	1046.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	SITE BOUNDARY	SSE	0.81	1307.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	NEAR. RESIDENCE	SW	1.30	2092.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	NEAR. RESIDENCE	WSW	1.30	2092.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	NEAR. RESIDENCE	W	1.00	1609.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	NEAR. RESIDENCE	WNW	1.60	2575.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	NEAR. RESIDENCE	NW	0.90	1448.	2.369E-09	2.368E-09	2.365E-09	6.200E-11
A	NEAR. RESIDENCE	NNW	1.90	3058.	1.404E-08	1.402E-08	1.372E-08	2.240E-10
A	NEAR. RESIDENCE	N	3.00	4828.	2.017E-09	2.012E-09	1.946E-09	4.497E-11
A	NEAR. RESIDENCE	NNE	2.70	4345.	3.117E-09	3.108E-09	3.042E-09	4.140E-11
A	NEAR. RESIDENCE	ENE	1.70	2736.	8.667E-10	8.659E-10	8.117E-10	3.363E-11
A	NEAR. RESIDENCE	E	1.80	2897.	9.854E-10	9.844E-10	9.602E-10	2.395E-11
A	NEAR. RESIDENCE	ESE	2.40	3863.	9.172E-10	9.160E-10	8.918E-10	2.512E-11
A	NEAREST COW	NNW	3.50	5633.	7.650E-09	7.625E-09	7.394E-09	6.723E-11
A	NEAREST GARDEN	SW	1.30	2092.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	NEAREST GARDEN	WSW	1.80	2897.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	NEAREST GARDEN	WNW	1.60	2575.	0.000E+00	0.000E+00	0.000E+00	0.000E+00
A	NEAREST GARDEN	NW	2.80	4506.	2.410E-09	2.406E-09	2.373E-09	8.555E-12
A	NEAREST GARDEN	NNW	1.90	3058.	1.404E-08	1.402E-08	1.372E-08	2.240E-10
A	NEAREST GARDEN	N	3.00	4828.	2.017E-09	2.012E-09	1.946E-09	4.497E-11
A	NEAREST GARDEN	ENE	1.70	2736.	8.667E-10	8.659E-10	8.117E-10	3.363E-11
A	NEAREST GARDEN	E	1.80	2897.	9.854E-10	9.844E-10	9.602E-10	2.395E-11
A	NEAREST GARDEN	ESE	2.40	3863.	9.172E-10	9.160E-10	8.918E-10	2.512E-11

B305

Atmospheric Diffusion Estimates

Elevated Releases

October-December 1995

ERP ELEVATED STACK RELEASES - OCT-DEC 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)			DISTANCE IN MILES									
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500		
S	1.742E-08	3.854E-08	5.471E-08	5.245E-08	4.568E-08	3.778E-08	3.104E-08	2.577E-08	2.173E-08	2.573E-08	2.859E-08		
SSW	1.027E-10	8.581E-09	1.727E-08	1.875E-08	1.897E-08	1.731E-08	1.523E-08	1.835E-08	2.051E-08	1.855E-08	1.689E-08		
SW	1.527E-09	1.166E-08	2.948E-08	4.700E-08	6.536E-08	4.373E-08	3.140E-08	2.385E-08	1.890E-08	1.548E-08	1.301E-08		
WSW	2.168E-09	2.360E-08	6.036E-08	8.980E-08	1.172E-07	7.237E-08	4.941E-08	3.616E-08	2.782E-08	2.221E-08	1.826E-08		
W	2.024E-08	9.714E-08	1.623E-07	1.591E-07	1.306E-07	8.084E-08	5.547E-08	4.080E-08	3.154E-08	2.529E-08	2.087E-08		
WNW	2.659E-08	9.377E-08	1.345E-07	1.569E-07	1.810E-07	1.115E-07	7.641E-08	5.948E-08	4.831E-08	3.858E-08	3.174E-08		
NW	2.000E-08	3.867E-08	7.492E-08	1.450E-07	2.814E-07	1.734E-07	1.189E-07	9.018E-08	7.153E-08	5.726E-08	4.719E-08		
NNW	2.237E-09	3.153E-08	6.518E-08	8.233E-08	1.142E-07	1.222E-07	1.247E-07	1.205E-07	1.146E-07	9.105E-08	7.462E-08		
N	4.215E-08	8.208E-08	8.541E-08	7.321E-08	6.311E-08	5.540E-08	4.782E-08	4.044E-08	3.462E-08	3.004E-08	2.630E-08		
NNE	2.636E-08	4.609E-08	5.304E-08	5.346E-08	5.243E-08	4.577E-08	3.865E-08	3.264E-08	2.785E-08	2.406E-08	2.106E-08		
NE	7.000E-11	5.292E-09	1.675E-08	2.509E-08	3.011E-08	2.766E-08	2.387E-08	2.040E-08	1.753E-08	1.523E-08	1.337E-08		
ENE	2.030E-09	1.253E-08	1.829E-08	1.983E-08	2.041E-08	1.800E-08	1.517E-08	1.273E-08	1.078E-08	9.242E-09	8.025E-09		
E	6.965E-09	3.933E-08	5.078E-08	4.653E-08	3.975E-08	3.266E-08	2.668E-08	2.205E-08	1.853E-08	1.582E-08	1.371E-08		
ESE	4.430E-09	3.300E-08	5.719E-08	6.368E-08	6.132E-08	5.143E-08	4.206E-08	3.462E-08	2.892E-08	2.454E-08	2.113E-08		
SE	3.687E-09	2.559E-08	5.561E-08	7.229E-08	7.599E-08	6.504E-08	5.357E-08	4.424E-08	3.703E-08	3.146E-08	2.711E-08		
SSE	1.199E-08	1.872E-08	4.866E-08	6.818E-08	7.496E-08	6.506E-08	5.393E-08	4.469E-08	3.749E-08	3.068E-08	2.589E-08		

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)			DISTANCE IN MILES									
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000		
S	2.546E-08	1.607E-08	1.034E-08	5.852E-09	3.990E-09	2.955E-09	2.292E-09	1.851E-09	1.543E-09	1.314E-09	1.136E-09		
SSW	1.605E-08	1.330E-08	8.711E-09	5.053E-09	3.625E-09	2.733E-09	2.138E-09	1.739E-09	1.456E-09	1.245E-09	1.083E-09		
SW	1.226E-08	1.225E-08	8.322E-09	5.062E-09	3.891E-09	3.133E-09	2.626E-09	2.155E-09	1.817E-09	1.564E-09	1.369E-09		
WSW	1.592E-08	9.851E-09	6.820E-09	4.087E-09	2.738E-09	2.012E-09	1.567E-09	1.269E-09	1.058E-09	9.023E-10	7.827E-10		
W	1.762E-08	9.631E-09	6.863E-09	4.405E-09	3.187E-09	2.357E-09	1.841E-09	1.495E-09	1.249E-09	1.067E-09	9.273E-10		
WNW	2.714E-08	1.569E-08	1.086E-08	6.782E-09	4.737E-09	3.585E-09	2.866E-09	2.360E-09	1.985E-09	1.702E-09	1.483E-09		
NW	4.040E-08	2.332E-08	1.622E-08	1.008E-08	6.868E-09	5.110E-09	4.107E-09	3.376E-09	2.832E-09	2.425E-09	2.113E-09		
NNW	6.423E-08	3.740E-08	2.452E-08	1.429E-08	9.778E-09	7.300E-09	5.800E-09	4.776E-09	4.077E-09	3.513E-09	3.063E-09		
N	2.349E-08	1.522E-08	1.307E-08	1.088E-08	9.160E-09	7.503E-09	5.907E-09	4.813E-09	4.029E-09	3.446E-09	2.997E-09		
NNE	2.309E-08	3.215E-08	2.085E-08	1.197E-08	8.116E-09	6.015E-09	4.716E-09	3.843E-09	3.221E-09	2.757E-09	2.400E-09		
NE	1.474E-08	1.826E-08	1.176E-08	6.681E-09	4.493E-09	3.309E-09	2.601E-09	2.119E-09	1.772E-09	1.511E-09	1.310E-09		
ENE	8.252E-09	1.046E-08	6.903E-09	4.045E-09	2.775E-09	2.075E-09	1.719E-09	1.454E-09	1.220E-09	1.045E-09	9.187E-10		
E	1.426E-08	1.746E-08	1.141E-08	6.608E-09	4.502E-09	3.347E-09	2.630E-09	2.146E-09	1.843E-09	1.606E-09	1.397E-09		
ESE	2.105E-08	1.935E-08	1.254E-08	7.157E-09	4.823E-09	3.554E-09	2.772E-09	2.247E-09	1.875E-09	1.599E-09	1.386E-09		
SE	2.367E-08	1.423E-08	1.072E-08	7.415E-09	5.353E-09	4.174E-09	3.421E-09	2.898E-09	2.425E-09	2.072E-09	1.801E-09		
SSE	4.978E-08	2.675E-08	1.698E-08	9.460E-09	6.274E-09	4.571E-09	3.533E-09	2.844E-09	2.358E-09	2.000E-09	1.727E-09		

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	5.011E-08	4.367E-08	3.073E-08	2.441E-08	2.659E-08	1.561E-08	6.021E-09	2.966E-09	1.860E-09	1.316E-09
SSW	1.600E-08	1.818E-08	1.703E-08	1.915E-08	1.707E-08	1.187E-08	5.231E-09	2.733E-09	1.745E-09	1.248E-09
SW	3.331E-08	5.167E-08	3.167E-08	1.901E-08	1.347E-08	1.051E-08	5.266E-09	3.132E-09	2.161E-09	1.567E-09
WSW	6.527E-08	9.118E-08	5.023E-08	2.806E-08	1.856E-08	9.852E-09	4.095E-09	2.028E-09	1.274E-09	9.043E-10
W	1.464E-07	1.148E-07	5.637E-08	3.181E-08	2.098E-08	1.018E-08	4.410E-09	2.372E-09	1.500E-09	1.069E-09
WNW	1.354E-07	1.448E-07	7.900E-08	4.780E-08	3.206E-08	1.609E-08	6.779E-09	3.604E-09	2.361E-09	1.705E-09
NW	9.800E-08	2.031E-07	1.220E-07	7.142E-08	4.766E-08	2.396E-08	1.002E-08	5.177E-09	3.377E-09	2.430E-09
NNW	6.532E-08	1.107E-07	1.224E-07	1.073E-07	7.564E-08	3.764E-08	1.456E-08	7.361E-09	4.803E-09	3.513E-09
N	7.925E-08	6.193E-08	4.689E-08	3.454E-08	2.639E-08	1.610E-08	1.060E-08	7.306E-09	4.827E-09	3.452E-09
NNE	5.169E-08	4.970E-08	3.815E-08	2.778E-08	2.270E-08	2.511E-08	1.223E-08	6.056E-09	3.855E-09	2.762E-09
NE	1.791E-08	2.790E-08	2.349E-08	1.747E-08	1.443E-08	1.459E-08	6.837E-09	3.342E-09	2.125E-09	1.514E-09
ENE	1.769E-08	1.921E-08	1.495E-08	1.075E-08	8.470E-09	8.389E-09	4.116E-09	2.119E-09	1.440E-09	1.047E-09
E	4.634E-08	3.810E-08	2.642E-08	1.850E-08	1.454E-08	1.406E-08	6.739E-09	3.368E-09	2.169E-09	1.599E-09
ESE	5.470E-08	5.745E-08	4.155E-08	2.888E-08	2.211E-08	1.670E-08	7.315E-09	3.580E-09	2.255E-09	1.602E-09
SE	5.635E-08	7.030E-08	5.289E-08	3.697E-08	2.713E-08	1.477E-08	7.233E-09	4.187E-09	2.867E-09	2.076E-09
SSE	5.068E-08	6.906E-08	5.320E-08	4.457E-08	5.311E-08	2.753E-08	9.715E-09	4.610E-09	2.856E-09	2.005E-09

ERP ELEVATED STACK RELEASES - OCT-DEC 1995
 2.260 DAY DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)			DISTANCE IN MILES									
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500		
S	1.742E-08	3.853E-08	5.467E-08	5.239E-08	4.559E-08	3.767E-08	3.092E-08	2.565E-08	2.161E-08	2.557E-08	2.838E-08		
SSW	1.027E-10	8.574E-09	1.725E-08	1.872E-08	1.890E-08	1.723E-08	1.513E-08	1.819E-08	2.029E-08	1.832E-08	1.665E-08		
SW	1.527E-09	1.166E-08	2.945E-08	4.693E-08	6.517E-08	4.354E-08	3.123E-08	2.369E-08	1.875E-08	1.534E-08	1.288E-08		
WSW	2.167E-09	2.359E-08	6.029E-08	8.964E-08	1.167E-07	7.199E-08	4.908E-08	3.587E-08	2.755E-08	2.197E-08	1.803E-08		
W	2.023E-08	9.701E-08	1.621E-07	1.587E-07	1.302E-07	8.046E-08	5.514E-08	4.052E-08	3.128E-08	2.506E-08	2.065E-08		
WNW	2.658E-08	9.367E-08	1.343E-07	1.566E-07	1.805E-07	1.111E-07	7.605E-08	5.914E-08	4.798E-08	3.827E-08	3.146E-08		
NW	1.999E-08	3.865E-08	7.485E-08	1.448E-07	2.805E-07	1.727E-07	1.183E-07	8.957E-08	7.095E-08	5.672E-08	4.669E-08		
NNW	2.237E-09	3.151E-08	6.512E-08	8.222E-08	1.140E-07	1.219E-07	1.242E-07	1.199E-07	1.139E-07	9.044E-08	7.405E-08		
N	4.214E-08	8.204E-08	8.534E-08	7.312E-08	6.298E-08	5.525E-08	4.765E-08	4.026E-08	3.445E-08	2.987E-08	2.622E-08		
NNE	2.636E-08	4.606E-08	5.299E-08	5.338E-08	5.230E-08	4.561E-08	3.849E-08	3.248E-08	2.769E-08	2.390E-08	2.090E-08		
NE	6.997E-11	5.289E-09	1.673E-08	2.504E-08	3.002E-08	2.755E-08	2.375E-08	2.027E-08	1.741E-08	1.510E-08	1.325E-08		
ENE	2.029E-09	1.252E-08	1.827E-08	1.979E-08	2.033E-08	1.790E-08	1.506E-08	1.262E-08	1.067E-08	9.134E-09	7.920E-09		
E	6.963E-09	3.931E-08	5.073E-08	4.646E-08	3.964E-08	3.253E-08	2.655E-08	2.192E-08	1.839E-08	1.569E-08	1.358E-08		
ESE	4.429E-09	3.298E-08	5.715E-08	6.361E-08	6.121E-08	5.132E-08	4.194E-08	3.450E-08	2.880E-08	2.442E-08	2.102E-08		
SE	3.686E-09	2.558E-08	5.558E-08	7.222E-08	7.587E-08	6.489E-08	5.341E-08	4.408E-08	3.687E-08	3.130E-08	2.696E-08		
SSE	1.199E-08	1.872E-08	4.862E-08	6.809E-08	7.481E-08	6.488E-08	5.373E-08	4.449E-08	3.730E-08	5.037E-08	5.855E-08		

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)			DISTANCE IN MILES									
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000		
S	2.525E-08	1.586E-08	1.016E-08	5.701E-09	3.853E-09	2.828E-09	2.175E-09	1.741E-09	1.439E-09	1.215E-09	1.042E-09		
SSW	1.581E-08	1.301E-08	8.455E-09	4.835E-09	3.420E-09	2.543E-09	1.962E-09	1.574E-09	1.300E-09	1.096E-09	9.407E-10		
SW	1.212E-08	1.202E-08	8.109E-09	4.867E-09	3.689E-09	2.928E-09	2.419E-09	1.958E-09	1.629E-09	1.384E-09	1.195E-09		
WSW	1.570E-08	9.653E-09	6.641E-09	3.930E-09	2.600E-09	1.887E-09	1.451E-09	1.161E-09	9.566E-10	8.058E-10	6.907E-10		
W	1.741E-08	9.460E-09	6.702E-09	4.252E-09	3.044E-09	2.224E-09	1.717E-09	1.379E-09	1.139E-09	9.619E-10	8.268E-10		
WNW	2.687E-08	1.544E-08	1.063E-08	6.552E-09	4.520E-09	3.379E-09	2.667E-09	2.169E-09	1.802E-09	1.527E-09	1.315E-09		
NW	3.991E-08	2.287E-08	1.579E-08	9.669E-09	6.494E-09	4.763E-09	3.771E-09	3.055E-09	2.526E-09	2.133E-09	1.831E-09		
NNW	6.369E-08	3.693E-08	2.411E-08	1.392E-08	9.450E-09	6.996E-09	5.512E-09	4.502E-09	3.811E-09	3.256E-09	2.816E-09		
N	2.332E-08	1.507E-08	1.290E-08	1.068E-08	8.933E-09	7.272E-09	5.689E-09	4.607E-09	3.833E-09	3.259E-09	2.818E-09		
NNE	2.289E-08	3.174E-08	2.049E-08	1.167E-08	7.844E-09	5.766E-09	4.483E-09	3.623E-09	3.011E-09	2.557E-09	2.208E-09		
NE	1.459E-08	1.799E-08	1.153E-08	6.489E-09	4.322E-09	3.153E-09	2.456E-09	1.982E-09	1.642E-09	1.387E-09	1.192E-09		
ENE	8.135E-09	1.023E-08	6.698E-09	3.864E-09	2.610E-09	1.921E-09	1.565E-09	1.301E-09	1.074E-09	9.063E-10	7.774E-10		
E	1.411E-08	1.717E-08	1.117E-08	6.395E-09	4.311E-09	3.172E-09	2.466E-09	1.992E-09	1.694E-09	1.461E-09	1.258E-09		
ESE	2.093E-08	1.916E-08	1.236E-08	7.006E-09	4.686E-09	3.428E-09	2.654E-09	2.136E-09	1.769E-09	1.497E-09	1.289E-09		
SE	2.352E-08	1.409E-08	1.058E-08	7.258E-09	5.197E-09	4.017E-09	3.261E-09	2.735E-09	2.268E-09	1.922E-09	1.656E-09		
SSE	4.939E-08	2.643E-08	1.672E-08	9.240E-09	6.080E-09	4.396E-09	3.372E-09	2.693E-09	2.216E-09	1.865E-09	1.598E-09		

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	5.007E-08	4.358E-08	3.062E-08	2.427E-08	2.639E-08	1.541E-08	5.870E-09	2.843E-09	1.750E-09	1.217E-09
SSW	1.597E-08	1.812E-08	1.691E-08	1.894E-08	1.683E-08	1.161E-08	5.011E-09	2.545E-09	1.581E-09	1.099E-09
SW	3.326E-08	5.150E-08	3.150E-08	1.886E-08	1.333E-08	1.030E-08	5.064E-09	2.927E-09	1.965E-09	1.387E-09
WSW	6.518E-08	9.083E-08	4.990E-08	2.780E-08	1.833E-08	9.657E-09	3.941E-09	1.903E-09	1.166E-09	8.078E-10
W	1.461E-07	1.144E-07	5.604E-08	3.155E-08	2.075E-08	1.000E-08	4.259E-09	2.239E-09	1.384E-09	9.642E-10
WNW	1.352E-07	1.444E-07	7.863E-08	4.747E-08	3.178E-08	1.584E-08	6.554E-09	3.399E-09	2.172E-09	1.530E-09
NW	9.789E-08	2.024E-07	1.213E-07	7.085E-08	4.715E-08	2.351E-08	9.618E-09	4.828E-09	3.058E-09	2.137E-09
NNW	6.525E-08	1.104E-07	1.219E-07	1.067E-07	7.507E-08	3.717E-08	1.420E-08	7.057E-09	4.527E-09	3.258E-09
N	7.918E-08	6.180E-08	4.672E-08	3.436E-08	2.623E-08	1.594E-08	1.040E-08	7.082E-09	4.622E-09	3.266E-09
NNE	5.162E-08	4.957E-08	3.799E-08	2.761E-08	2.253E-08	2.478E-08	1.193E-08	5.807E-09	3.636E-09	2.563E-09
NE	1.788E-08	2.782E-08	2.337E-08	1.735E-08	1.429E-08	1.436E-08	6.646E-09	3.186E-09	1.988E-09	1.390E-09
ENE	1.767E-08	1.913E-08	1.484E-08	1.064E-08	8.359E-09	8.194E-09	3.937E-09	1.962E-09	1.290E-09	9.083E-10
E	4.629E-08	3.800E-08	2.629E-08	1.837E-08	1.440E-08	1.382E-08	6.529E-09	3.193E-09	2.014E-09	1.455E-09
ESE	5.465E-08	5.735E-08	4.146E-08	2.876E-08	2.200E-08	1.653E-08	7.166E-09	3.454E-09	2.144E-09	1.500E-09
SE	5.631E-08	7.018E-08	5.274E-08	3.681E-08	2.697E-08	1.462E-08	7.079E-09	4.029E-09	2.708E-09	1.926E-09
SSE	5.063E-08	6.890E-08	5.301E-08	4.433E-08	5.274E-08	2.722E-08	9.497E-09	4.435E-09	2.706E-09	1.870E-09

B308

ERP ELEVATED STACK RELEASES - OCT-DEC 1995
 8.000 DAY DECAY, DEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)				DISTANCE IN MILES									
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500			
S	1.742E-08	3.820E-08	5.369E-08	5.145E-08	4.470E-08	3.680E-08	3.008E-08	2.485E-08	2.086E-08	2.476E-08	2.756E-08			
SSW	1.027E-10	8.504E-09	1.696E-08	1.842E-08	1.861E-08	1.692E-08	1.483E-08	1.788E-08	2.000E-08	1.805E-08	1.641E-08			
SW	1.527E-09	1.156E-08	2.910E-08	4.661E-08	6.440E-08	4.272E-08	3.047E-08	2.301E-08	1.816E-08	1.481E-08	1.241E-08			
WSW	2.167E-09	2.339E-08	5.945E-08	8.872E-08	1.151E-07	7.042E-08	4.772E-08	3.470E-08	2.655E-08	2.110E-08	1.727E-08			
W	2.024E-08	9.560E-08	1.597E-07	1.556E-07	1.272E-07	7.824E-08	5.341E-08	3.912E-08	3.013E-08	2.409E-08	1.982E-08			
WNW	2.659E-08	9.292E-08	1.325E-07	1.544E-07	1.778E-07	1.089E-07	7.425E-08	5.765E-08	4.673E-08	3.717E-08	3.044E-08			
NW	2.000E-08	3.832E-08	7.407E-08	1.437E-07	2.782E-07	1.705E-07	1.164E-07	8.801E-08	6.966E-08	5.554E-08	4.556E-08			
NNW	2.237E-09	3.125E-08	6.404E-08	8.115E-08	1.127E-07	1.205E-07	1.229E-07	1.188E-07	1.129E-07	8.946E-08	7.299E-08			
N	4.214E-08	8.134E-08	8.371E-08	7.171E-08	6.179E-08	5.410E-08	4.654E-08	3.922E-08	3.347E-08	2.896E-08	2.537E-08			
NNE	2.636E-08	4.568E-08	5.212E-08	5.265E-08	5.154E-08	4.476E-08	3.759E-08	3.158E-08	2.682E-08	2.307E-08	2.011E-08			
NE	6.999E-11	5.248E-09	1.657E-08	2.490E-08	2.713E-08	2.326E-08	1.976E-08	1.690E-08	1.461E-08	1.278E-08				
ENE	2.030E-09	1.242E-08	1.796E-08	1.952E-08	2.004E-08	1.756E-08	1.469E-08	1.224E-08	1.030E-08	8.773E-09	7.574E-09			
E	6.965E-09	3.897E-08	4.979E-08	4.559E-08	3.887E-08	3.177E-08	2.580E-08	2.120E-08	1.772E-08	1.506E-08	1.299E-08			
ESE	4.429E-09	3.271E-08	5.631E-08	6.282E-08	6.029E-08	5.026E-08	4.083E-08	3.340E-08	2.774E-08	2.342E-08	2.007E-08			
SE	3.687E-09	2.537E-08	5.498E-08	7.169E-08	7.496E-08	6.368E-08	5.206E-08	4.271E-08	3.552E-08	3.001E-08	2.573E-08			
SSE	1.199E-08	1.857E-08	4.816E-08	6.766E-08	7.397E-08	6.371E-08	5.241E-08	4.313E-08	3.595E-08	4.868E-08	5.673E-08			

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)				DISTANCE IN MILES									
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000			
S	2.449E-08	1.515E-08	9.428E-09	4.992E-09	3.160E-09	2.200E-09	1.625E-09	1.255E-09	1.008E-09	8.326E-10	6.999E-10			
SSW	1.560E-08	1.274E-08	8.052E-09	4.339E-09	2.872E-09	2.071E-09	1.560E-09	1.226E-09	9.943E-10	8.253E-10	6.980E-10			
SW	1.170E-08	1.166E-08	7.657E-09	4.338E-09	3.070E-09	2.303E-09	1.850E-09	1.465E-09	1.195E-09	9.980E-10	8.483E-10			
WSW	1.501E-08	9.107E-09	6.116E-09	3.468E-09	2.218E-09	1.565E-09	1.176E-09	9.219E-10	7.460E-10	6.183E-10	5.223E-10			
W	1.668E-08	9.019E-09	6.351E-09	3.843E-09	2.609E-09	1.854E-09	1.397E-09	1.098E-09	8.910E-10	7.402E-10	6.265E-10			
WNW	2.590E-08	1.452E-08	9.720E-09	5.646E-09	3.630E-09	2.587E-09	1.980E-09	1.572E-09	1.279E-09	1.063E-09	8.995E-10			
NW	3.800E-08	2.170E-08	1.457E-08	8.428E-09	5.333E-09	3.727E-09	2.857E-09	2.264E-09	1.836E-09	1.524E-09	1.289E-09			
NNW	6.251E-08	3.527E-08	2.230E-08	1.204E-08	7.543E-09	5.226E-09	3.904E-09	3.072E-09	2.529E-09	2.111E-09	1.788E-09			
N	2.253E-08	1.448E-08	1.243E-08	1.037E-08	8.514E-09	6.640E-09	5.071E-09	4.020E-09	3.282E-09	2.743E-09	2.335E-09			
NNE	2.209E-08	3.083E-08	1.932E-08	1.046E-08	6.726E-09	4.767E-09	3.594E-09	2.827E-09	2.295E-09	1.907E-09	1.615E-09			
NE	1.410E-08	1.744E-08	1.085E-08	5.794E-09	3.667E-09	2.566E-09	1.936E-09	1.526E-09	1.238E-09	1.027E-09	8.673E-10			
ENE	7.777E-09	9.913E-09	6.328E-09	3.465E-09	2.203E-09	1.542E-09	1.204E-09	9.683E-10	7.815E-10	6.459E-10	5.440E-10			
E	1.352E-08	1.663E-08	1.051E-08	5.688E-09	3.588E-09	2.499E-09	1.854E-09	1.436E-09	1.176E-09	9.813E-10	8.249E-10			
ESE	1.996E-08	1.828E-08	1.147E-08	6.146E-09	3.863E-09	2.683E-09	1.986E-09	1.536E-09	1.227E-09	1.005E-09	8.396E-10			
SE	2.235E-08	1.318E-08	9.836E-09	6.727E-09	4.807E-09	3.722E-09	3.034E-09	2.551E-09	2.082E-09	1.739E-09	1.480E-09			
SSE	4.760E-08	2.474E-08	1.516E-08	7.959E-09	5.011E-09	3.494E-09	2.598E-09	2.019E-09	1.622E-09	1.335E-09	1.121E-09			

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	4.925E-08	4.269E-08	2.978E-08	2.348E-08	2.559E-08	1.468E-08	5.163E-09	2.226E-09	1.266E-09	8.354E-10
SSW	1.573E-08	1.782E-08	1.661E-08	1.865E-08	1.660E-08	1.129E-08	4.512E-09	2.080E-09	1.233E-09	8.282E-10
SW	3.298E-08	5.081E-08	3.075E-08	1.827E-08	1.286E-08	9.889E-09	4.512E-09	2.327E-09	1.473E-09	1.001E-09
WSW	6.445E-08	8.938E-08	4.857E-08	2.680E-08	1.757E-08	9.090E-09	3.501E-09	1.583E-09	9.275E-10	6.206E-10
W	1.437E-07	1.118E-07	5.431E-08	3.040E-08	1.992E-08	9.537E-09	3.852E-09	1.873E-09	1.105E-09	7.428E-10
WNW	1.334E-07	1.420E-07	7.684E-08	4.621E-08	3.075E-08	1.492E-08	5.655E-09	2.622E-09	1.577E-09	1.066E-09
NW	9.709E-08	2.004E-07	1.195E-07	6.953E-08	4.601E-08	2.233E-08	8.416E-09	3.807E-09	2.270E-09	1.530E-09
NNW	6.436E-08	1.092E-07	1.206E-07	1.057E-07	7.399E-08	3.556E-08	1.232E-08	5.315E-09	3.103E-09	2.115E-09
N	7.785E-08	6.058E-08	4.563E-08	3.340E-08	2.539E-08	1.536E-08	1.000E-08	6.512E-09	4.039E-09	2.751E-09
NNE	5.092E-08	4.877E-08	3.710E-08	2.675E-08	2.172E-08	2.377E-08	1.077E-08	4.820E-09	2.844E-09	1.913E-09
NE	1.776E-08	2.750E-08	2.289E-08	1.684E-08	1.381E-08	1.377E-08	5.973E-09	2.608E-09	1.533E-09	1.030E-09
ENE	1.742E-08	1.882E-08	1.448E-08	1.027E-08	8.004E-09	7.845E-09	3.540E-09	1.583E-09	9.646E-10	6.483E-10
E	4.552E-08	3.721E-08	2.556E-08	1.770E-08	1.380E-08	1.322E-08	5.827E-09	2.531E-09	1.456E-09	9.809E-10
ESE	5.396E-08	5.639E-08	4.037E-08	2.771E-08	2.102E-08	1.562E-08	6.314E-09	2.719E-09	1.547E-09	1.010E-09
SE	5.583E-08	6.922E-08	5.142E-08	3.547E-08	2.574E-08	1.373E-08	6.564E-09	3.736E-09	2.511E-09	1.745E-09
SSE	5.025E-08	6.801E-08	5.171E-08	4.285E-08	5.096E-08	2.556E-08	8.249E-09	3.540E-09	2.033E-09	1.341E-09

B309

ERP ELEVATED STACK RELEASES - OCT-DEC 1995
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

***** RELATIVE DEPOSITION PER UNIT AREA (MM⁻²) AT FIXED POINTS BY DOWNWIND SECTORS *****

DIRECTION FROM SITE	DISTANCES IN MILES										
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
S	5.327E-09	4.221E-09	3.422E-09	2.267E-09	1.069E-09	6.465E-10	4.339E-10	3.104E-10	2.320E-10	1.909E-10	1.668E-10
SSW	8.105E-10	7.018E-10	6.594E-10	4.914E-10	2.548E-10	1.604E-10	1.098E-10	7.945E-11	7.300E-11	5.522E-11	4.324E-11
SW	1.346E-09	1.143E-09	1.041E-09	7.594E-10	6.601E-10	3.567E-10	2.205E-10	1.495E-10	1.020E-10	8.167E-11	6.395E-11
WSW	2.143E-09	1.763E-09	1.528E-09	1.926E-09	8.937E-10	4.801E-10	2.956E-10	2.000E-10	1.443E-10	1.090E-10	8.534E-11
W	1.616E-09	3.730E-09	2.950E-09	1.771E-09	7.923E-10	4.264E-10	2.628E-10	1.778E-10	1.283E-10	9.697E-11	7.590E-11
WNW	3.188E-09	2.482E-09	3.155E-09	2.039E-09	1.089E-09	5.534E-10	3.342E-10	2.287E-10	1.741E-10	1.394E-10	1.180E-10
NW	3.475E-09	2.816E-09	2.379E-09	2.984E-09	1.749E-09	8.719E-10	5.182E-10	3.472E-10	2.545E-10	2.003E-10	1.667E-10
NNW	3.994E-09	3.160E-09	2.553E-09	1.687E-09	1.272E-09	6.820E-10	4.223E-10	3.613E-10	2.815E-10	2.372E-10	2.118E-10
N	7.699E-09	5.969E-09	4.639E-09	2.954E-09	1.341E-09	7.976E-10	5.303E-10	3.775E-10	2.814E-10	2.170E-10	1.718E-10
NNE	3.229E-09	2.726E-09	2.465E-09	1.787E-09	9.075E-10	5.664E-10	3.864E-10	2.789E-10	2.093E-10	1.619E-10	1.282E-10
NE	5.710E-10	6.519E-10	8.315E-10	7.356E-10	4.234E-10	2.769E-10	1.933E-10	1.412E-10	1.066E-10	8.265E-11	6.545E-11
ENE	1.074E-09	8.978E-10	7.985E-10	5.717E-10	2.876E-10	1.788E-10	1.217E-10	8.777E-11	6.585E-11	5.092E-11	4.031E-11
E	3.467E-09	2.768E-09	2.275E-09	1.527E-09	7.277E-10	4.424E-10	2.976E-10	2.132E-10	1.595E-10	1.232E-10	9.750E-11
ESE	3.809E-09	3.435E-09	3.417E-09	2.646E-09	1.409E-09	8.959E-10	6.168E-10	4.473E-10	3.366E-10	2.606E-10	2.063E-10
SE	4.134E-09	3.996E-09	4.334E-09	3.532E-09	1.945E-09	1.252E-09	8.671E-10	6.307E-10	4.754E-10	3.682E-10	2.916E-10
SSE	3.057E-09	3.082E-09	3.501E-09	2.924E-09	1.635E-09	1.058E-09	7.348E-10	5.352E-10	4.036E-10	3.813E-10	3.504E-10

DIRECTION FROM SITE	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	1.343E-10	9.294E-11	6.350E-11	3.703E-11	2.371E-11	1.726E-11	1.231E-11	9.196E-12	6.945E-12	5.548E-12	4.529E-12
SSW	3.511E-11	3.565E-11	2.629E-11	1.623E-11	9.540E-12	6.365E-12	4.561E-12	3.426E-12	2.689E-12	2.140E-12	1.753E-12
SW	5.177E-11	4.072E-11	2.861E-11	1.702E-11	1.088E-11	7.722E-12	5.204E-12	3.940E-12	3.063E-12	2.447E-12	1.997E-12
WSW	6.944E-11	4.085E-11	2.670E-11	1.762E-11	1.066E-11	7.151E-12	5.205E-12	3.908E-12	3.039E-12	2.427E-12	1.981E-12
W	6.106E-11	2.750E-11	2.865E-11	1.764E-11	1.176E-11	7.894E-12	5.657E-12	4.247E-12	3.302E-12	2.638E-12	2.153E-12
WNW	1.054E-10	6.908E-11	5.123E-11	3.186E-11	1.850E-11	1.244E-11	8.853E-12	6.649E-12	5.194E-12	4.149E-12	3.387E-12
NW	1.454E-10	9.070E-11	6.582E-11	4.120E-11	2.529E-11	1.690E-11	1.171E-11	8.791E-12	6.835E-12	5.460E-12	4.457E-12
NNW	1.972E-10	1.464E-10	1.139E-10	7.313E-11	4.741E-11	3.151E-11	1.912E-11	1.400E-11	1.074E-11	8.584E-12	7.006E-12
N	1.389E-10	6.643E-11	4.095E-11	2.213E-11	7.291E-11	4.044E-11	2.898E-11	2.176E-11	1.692E-11	1.352E-11	1.103E-11
NNE	1.035E-10	1.655E-10	1.020E-10	5.268E-11	3.212E-11	2.152E-11	1.539E-11	1.153E-11	8.954E-12	7.146E-12	5.829E-12
NE	5.275E-11	8.279E-11	5.221E-11	2.767E-11	1.699E-11	1.135E-11	8.130E-12	6.073E-12	4.748E-12	3.793E-12	3.096E-12
ENE	3.254E-11	3.248E-11	2.314E-11	1.393E-11	8.921E-12	5.973E-12	4.244E-12	2.848E-12	2.218E-12	1.775E-12	1.452E-12
E	7.876E-11	7.866E-11	5.625E-11	3.400E-11	2.185E-11	1.468E-11	1.046E-11	7.785E-12	6.003E-12	4.583E-12	3.735E-12
ESE	1.664E-10	1.493E-10	1.035E-10	6.088E-11	3.877E-11	2.592E-11	1.843E-11	1.370E-11	1.056E-11	8.400E-12	6.834E-12
SE	2.351E-10	1.117E-10	6.829E-11	3.620E-11	2.277E-11	1.540E-11	1.151E-11	1.783E-11	1.379E-11	1.100E-11	8.980E-12
SSE	2.911E-10	2.079E-10	1.268E-10	6.473E-11	3.942E-11	2.636E-11	1.889E-11	1.417E-11	1.102E-11	8.800E-12	7.185E-12

***** RELATIVE DEPOSITION PER UNIT AREA (MM⁻²) BY DOWNWIND SECTORS *****

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	3.086E-09	1.147E-09	4.412E-10	2.387E-10	1.619E-10	8.904E-11	3.699E-11	1.700E-11	9.229E-12	5.584E-12
SSW	5.942E-10	2.654E-10	1.112E-10	6.807E-11	4.378E-11	3.137E-11	1.549E-11	6.490E-12	3.469E-12	2.162E-12
SW	9.385E-10	5.473E-10	2.284E-10	1.098E-10	6.469E-11	3.779E-11	1.686E-11	7.557E-12	3.967E-12	2.463E-12
WSW	1.757E-09	9.393E-10	3.065E-10	1.468E-10	8.647E-11	4.092E-11	1.655E-11	7.309E-12	3.948E-12	2.443E-12
W	2.599E-09	8.472E-10	2.724E-10	1.305E-10	7.664E-11	3.547E-11	1.747E-11	8.030E-12	4.290E-12	2.655E-12
WNW	2.509E-09	1.062E-09	3.505E-10	1.765E-10	1.197E-10	6.922E-11	3.023E-11	1.262E-11	6.724E-12	4.176E-12
NW	2.745E-09	1.634E-09	5.441E-10	2.603E-10	1.688E-10	9.181E-11	3.960E-11	1.706E-11	8.879E-12	5.496E-12
NNW	2.303E-09	1.102E-09	4.672E-10	2.874E-10	2.139E-10	1.432E-10	7.076E-11	3.079E-11	1.422E-11	8.640E-12
N	4.186E-09	1.458E-09	5.405E-10	2.843E-10	1.730E-10	7.120E-11	4.888E-11	4.451E-11	2.198E-11	1.361E-11
NNE	2.221E-09	9.513E-10	3.914E-10	2.111E-10	1.290E-10	1.235E-10	5.449E-11	2.189E-11	1.165E-11	7.194E-12
NE	7.481E-10	4.272E-10	1.948E-10	1.074E-10	6.584E-11	6.252E-11	2.838E-11	1.157E-11	6.156E-12	3.817E-12
ENE	7.198E-10	3.024E-10	1.234E-10	5.642E-11	4.058E-11	2.834E-11	1.375E-11	6.068E-12	3.007E-12	1.786E-12
E	2.052E-09	7.784E-10	3.025E-10	1.610E-10	9.816E-11	6.872E-11	3.355E-11	1.490E-11	7.870E-12	4.690E-12
ESE	3.078E-09	1.456E-09	6.234E-10	3.393E-10	2.076E-10	1.328E-10	6.051E-11	2.634E-11	1.386E-11	8.461E-12
SE	3.902E-09	1.990E-09	8.752E-10	4.790E-10	2.934E-10	1.198E-10	3.714E-11	1.568E-11	1.449E-11	1.108E-11
SSE	3.152E-09	1.665E-09	7.411E-10	4.327E-10	3.376E-10	1.904E-10	6.723E-11	2.682E-11	1.431E-11	8.858E-12

ERP ELEVATED STACK RELEASES - OCT-DEC 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q			D/Q (PER SQ.METER)
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	
			NO DECAY			2.260 DAY DECAY	8.000 DAY DECAY	
					UNDEPLETED	UNDEPLETED	DEPLETED	
A	SITE BOUNDARY	S	0.80	1287.	5.451E-08	5.446E-08	5.346E-08	5.154E-09
A	SITE BOUNDARY	SSW	0.82	1327.	1.793E-08	1.790E-08	1.759E-08	6.098E-10
A	SITE BOUNDARY	SW	0.98	1569.	4.538E-08	4.532E-08	4.499E-08	7.909E-10
A	SITE BOUNDARY	WSW	0.93	1489.	8.153E-08	8.140E-08	8.055E-08	1.637E-09
A	SITE BOUNDARY	W	0.91	1468.	1.625E-07	1.622E-07	1.594E-07	2.097E-09
A	SITE BOUNDARY	WNW	0.94	1509.	1.514E-07	1.511E-07	1.490E-07	2.318E-09
A	SITE BOUNDARY	NW	0.81	1307.	9.002E-08	8.993E-08	8.917E-08	2.172E-09
A	SITE BOUNDARY	NNW	0.69	1106.	5.674E-08	5.670E-08	5.579E-08	2.664E-09
A	SITE BOUNDARY	N	0.67	1086.	8.417E-08	8.411E-08	8.265E-08	4.950E-09
A	SITE BOUNDARY	NNE	0.69	965.	4.768E-08	4.764E-08	4.699E-08	2.576E-09
A	SITE BOUNDARY	NE	0.62	1005.	1.007E-08	1.006E-08	9.955E-09	7.321E-10
A	SITE BOUNDARY	ENE	0.59	945.	1.452E-08	1.451E-08	1.432E-08	8.487E-10
A	SITE BOUNDARY	E	0.53	845.	4.098E-08	4.096E-08	4.055E-08	2.700E-09
A	SITE BOUNDARY	ESE	0.54	865.	3.650E-08	3.648E-08	3.610E-08	3.401E-09
A	SITE BOUNDARY	SE	0.65	1046.	4.143E-08	4.141E-08	4.094E-08	4.141E-09
A	SITE BOUNDARY	SSE	0.81	1307.	5.477E-08	5.471E-08	5.424E-08	3.411E-09
A	NEAR. RESIDENCE	SW	1.30	2092.	6.139E-08	6.124E-08	6.067E-08	8.849E-10
A	NEAR. RESIDENCE	WSW	1.30	2092.	1.125E-07	1.122E-07	1.108E-07	1.202E-09
A	NEAR. RESIDENCE	W	1.00	1609.	1.591E-07	1.587E-07	1.558E-07	1.771E-09
A	NEAR. RESIDENCE	WNW	1.60	2575.	1.626E-07	1.621E-07	1.595E-07	9.343E-10
A	NEAR. RESIDENCE	NW	0.90	1448.	1.144E-07	1.143E-07	1.135E-07	3.355E-09
A	NEAR. RESIDENCE	NNW	1.90	3058.	1.213E-07	1.209E-07	1.195E-07	7.634E-10
A	NEAR. RESIDENCE	N	3.00	4828.	4.044E-08	4.026E-08	3.922E-08	3.775E-10
A	NEAR. RESIDENCE	NNE	2.70	4345.	3.610E-08	3.593E-08	3.503E-08	3.373E-10
A	NEAR. RESIDENCE	ENE	1.70	2736.	1.961E-08	1.952E-08	1.921E-08	2.310E-10
A	NEAR. RESIDENCE	E	1.80	2897.	3.542E-08	3.530E-08	3.453E-08	5.166E-10
A	NEAR. RESIDENCE	ESE	2.40	3863.	4.378E-08	4.366E-08	4.256E-08	6.613E-10
A	NEAREST COW	NNW	3.50	5633.	1.145E-07	1.139E-07	1.129E-07	2.814E-10
A	NEAREST GARDEN	SW	1.30	2092.	6.139E-08	6.124E-08	6.067E-08	8.849E-10
A	NEAREST GARDEN	WSW	1.80	2897.	8.652E-08	8.612E-08	8.449E-08	6.015E-10
A	NEAREST GARDEN	WNW	1.60	2575.	1.626E-07	1.621E-07	1.595E-07	9.343E-10
A	NEAREST GARDEN	NW	2.80	4506.	1.001E-07	9.949E-08	9.781E-08	4.028E-10
A	NEAREST GARDEN	NNW	1.90	3058.	1.213E-07	1.209E-07	1.195E-07	7.634E-10
A	NEAREST GARDEN	N	3.00	4828.	4.044E-08	4.026E-08	3.922E-08	3.775E-10
A	NEAREST GARDEN	ENE	1.70	2736.	1.961E-08	1.952E-08	1.921E-08	2.310E-10
A	NEAREST GARDEN	E	1.80	2897.	3.542E-08	3.530E-08	3.453E-08	5.166E-10
A	NEAREST GARDEN	ESE	2.40	3863.	4.378E-08	4.366E-08	4.256E-08	6.613E-10

B311

Atmospheric Diffusion Estimates

Elevated Releases

July-December 1995

ERP ELEVATED STACK RELEASES - JUL-DEC 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										DISTANCE IN MILES									
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	1.500	2.000	2.500	3.000	3.500	4.000	4.500		
S	9.164E-09	2.027E-08	2.878E-08	2.759E-08	2.403E-08	1.987E-08	1.633E-08	1.356E-08	1.143E-08	1.354E-08	1.504E-08									
SSW	5.403E-11	4.513E-09	9.084E-09	9.864E-09	9.976E-09	9.106E-09	8.010E-09	9.653E-09	1.079E-08	9.756E-09	8.882E-09									
SW	8.033E-10	6.134E-09	1.551E-08	2.472E-08	3.438E-08	2.300E-08	1.652E-08	1.254E-08	9.942E-09	8.142E-09	6.843E-09									
WSW	1.140E-09	1.241E-08	3.175E-08	4.723E-08	6.163E-08	3.806E-08	2.599E-08	1.902E-08	1.463E-08	1.168E-08	9.603E-09									
W	1.065E-08	5.109E-08	8.539E-08	8.366E-08	6.870E-08	4.252E-08	2.917E-08	2.146E-08	1.659E-08	1.330E-08	1.098E-08									
WNW	1.399E-08	4.932E-08	7.076E-08	8.254E-08	9.521E-08	5.865E-08	4.619E-08	3.129E-08	2.541E-08	2.029E-08	1.669E-08									
NW	1.052E-08	2.035E-08	3.984E-08	7.798E-08	1.517E-07	9.335E-08	6.395E-08	4.844E-08	3.839E-08	3.072E-08	2.531E-08									
NNW	4.245E-09	2.158E-08	4.117E-08	5.059E-08	6.757E-08	7.073E-08	7.096E-08	6.779E-08	6.388E-08	5.072E-08	4.151E-08									
N	2.438E-08	4.935E-08	4.946E-08	4.145E-08	3.504E-08	3.053E-08	2.629E-08	2.222E-08	1.904E-08	1.653E-08	1.456E-08									
NNE	1.387E-08	2.430E-08	2.874E-08	2.967E-08	2.952E-08	2.587E-08	2.190E-08	1.853E-08	1.83E-08	1.370E-08	1.201E-08									
NE	6.824E-11	4.534E-09	1.133E-08	1.502E-08	1.680E-08	1.513E-08	1.294E-08	1.101E-08	9.430E-09	8.171E-09	7.166E-09									
ENE	1.094E-09	7.910E-09	1.141E-08	1.163E-08	1.128E-08	9.752E-09	8.150E-09	6.809E-09	5.750E-09	4.919E-09	4.266E-09									
E	3.675E-09	2.124E-08	2.753E-08	2.513E-08	2.142E-08	1.762E-08	1.441E-08	1.193E-08	1.003E-08	8.573E-09	7.437E-09									
ESE	2.330E-09	1.738E-08	3.041E-08	3.407E-08	3.289E-08	2.758E-08	2.254E-08	1.854E-08	1.548E-08	1.313E-08	1.130E-08									
SE	1.939E-09	1.346E-08	2.925E-08	3.802E-08	3.997E-08	3.421E-08	2.817E-08	2.327E-08	1.947E-08	1.655E-08	1.426E-08									
SSE	6.308E-09	9.849E-09	2.559E-08	3.586E-08	3.943E-08	3.422E-08	2.836E-08	2.350E-08	1.972E-08	2.666E-08	3.101E-08									

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										DISTANCE IN MILES										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000
S	1.339E-08	8.450E-09	5.436E-09	3.078E-09	2.098E-09	1.554E-09	1.205E-09	9.733E-10	8.116E-10	6.911E-10	5.977E-10										
SSW	8.444E-09	6.998E-09	4.581E-09	2.658E-09	1.906E-09	1.437E-09	1.125E-09	9.149E-10	7.659E-10	6.549E-10	5.696E-10										
SW	6.451E-09	6.444E-09	4.377E-09	2.663E-09	2.047E-09	1.648E-09	1.381E-09	1.133E-09	9.557E-10	8.228E-10	7.200E-10										
WSW	8.371E-09	5.181E-09	3.587E-09	2.150E-09	1.440E-09	1.058E-09	8.241E-10	6.676E-10	5.567E-10	4.746E-10	4.117E-10										
W	9.266E-09	5.066E-09	3.610E-09	2.317E-09	1.676E-09	1.240E-09	9.682E-10	7.863E-10	6.572E-10	5.613E-10	4.877E-10										
WNW	1.428E-08	8.250E-09	5.713E-09	3.567E-09	2.491E-09	1.886E-09	1.507E-09	1.241E-09	1.044E-09	8.951E-10	7.802E-10										
NW	2.166E-08	1.248E-08	8.667E-09	5.381E-09	3.665E-09	2.726E-09	2.190E-09	1.800E-09	1.509E-09	1.293E-09	1.126E-09										
NNW	1.67E-08	2.066E-08	1.353E-08	7.665E-09	5.378E-09	4.011E-09	3.184E-09	2.620E-09	2.235E-09	1.924E-09	1.677E-09										
N	1.299E-08	8.500E-09	7.433E-09	6.347E-09	5.382E-09	4.412E-09	3.475E-09	2.833E-09	2.372E-09	2.030E-09	1.766E-09										
NNE	1.328E-08	1.890E-08	1.226E-08	7.044E-09	4.775E-09	3.539E-09	2.775E-09	2.261E-09	1.895E-09	1.622E-09	1.412E-09										
NE	7.868E-09	9.665E-09	6.221E-09	3.534E-09	2.376E-09	1.750E-09	1.376E-09	1.121E-09	9.373E-10	7.991E-10	6.931E-10										
ENE	4.376E-09	5.517E-09	3.639E-09	2.132E-09	1.463E-09	1.094E-09	9.061E-10	7.664E-10	6.431E-10	5.511E-10	4.803E-10										
E	7.748E-09	9.419E-09	6.154E-09	3.561E-09	2.425E-09	1.803E-09	1.416E-09	1.155E-09	9.919E-10	8.637E-10	7.513E-10										
ESE	1.124E-08	1.029E-08	6.662E-09	3.801E-09	2.560E-09	1.886E-09	1.470E-09	1.192E-09	9.942E-10	8.475E-10	7.350E-10										
SE	1.245E-08	7.483E-09	5.640E-09	3.900E-09	2.815E-09	2.195E-09	1.799E-09	1.524E-09	1.275E-09	1.090E-09	9.472E-10										
SSE	2.618E-08	1.407E-08	8.932E-09	4.975E-09	3.300E-09	2.404E-09	1.858E-09	1.496E-09	1.240E-09	1.052E-09	9.081E-10										

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	2.636E-08	2.297E-08	1.414E-08	1.284E-08	1.398E-08	8.209E-09	3.167E-09	1.560E-09	9.780E-10	6.922E-10
SSW	8.415E-09	9.564E-09	8.959E-09	1.007E-08	8.979E-09	6.245E-09	2.751E-09	1.437E-09	9.181E-10	6.562E-10
SW	1.752E-08	2.717E-08	1.666E-08	1.000E-08	7.883E-09	5.527E-09	2.770E-09	1.647E-09	1.136E-09	8.241E-10
WSW	3.433E-08	4.796E-08	2.642E-08	1.476E-08	9.763E-09	5.182E-09	2.154E-09	1.066E-09	6.701E-10	4.756E-10
W	7.709E-08	6.039E-08	2.965E-08	1.673E-08	1.103E-08	5.352E-09	2.319E-09	1.248E-09	7.891E-10	5.625E-10
WNW	7.123E-08	7.615E-08	4.155E-08	2.814E-08	1.686E-08	8.461E-09	3.566E-09	1.896E-09	1.242E-09	8.967E-10
NW	5.246E-08	1.094E-07	6.559E-08	3.74E-08	2.556E-08	1.282E-08	5.349E-09	2.762E-09	1.800E-09	1.295E-09
NNW	4.100E-08	6.520E-08	6.963E-08	5.89E-08	4.207E-08	2.882E-08	8.017E-09	4.045E-09	2.635E-09	1.925E-09
N	4.588E-08	3.446E-08	2.579E-08	1.900E-08	1.457E-08	9.023E-09	6.159E-09	4.296E-09	2.841E-09	2.034E-09
NNE	2.816E-08	2.793E-08	2.161E-08	1.579E-08	1.298E-08	1.470E-08	7.195E-09	3.563E-09	2.268E-09	1.625E-09
NE	1.146E-08	1.566E-08	1.275E-08	9.417E-09	7.724E-09	7.735E-09	3.617E-09	1.768E-09	1.124E-09	8.008E-10
ENE	1.073E-08	1.068E-08	8.041E-09	5.736E-09	4.500E-09	4.429E-09	2.169E-09	1.117E-09	7.593E-10	5.521E-10
E	2.507E-08	2.056E-08	1.427E-08	1.002E-08	7.888E-09	7.597E-09	3.633E-09	1.814E-09	1.168E-09	8.601E-10
ESE	2.914E-08	3.079E-08	2.228E-08	1.546E-08	1.182E-08	8.889E-09	3.885E-09	1.899E-09	1.196E-09	8.493E-10
SE	2.964E-08	3.698E-08	2.782E-08	1.944E-08	1.427E-08	7.768E-09	3.804E-09	2.202E-09	1.508E-09	1.092E-09
SSE	2.666E-08	3.632E-08	2.798E-08	2.344E-08	2.793E-08	1.448E-08	5.110E-09	2.425E-09	1.502E-09	1.055E-09

ERP ELEVATED STACK RELEASES - JUL-DEC 1995
 2,260 DAY DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	9.162E-09	2.026E-08	2.875E-08	2.755E-08	2.398E-08	1.981E-08	1.624E-08	1.349E-08	1.137E-08	1.345E-08	1.493E-08
SSW	5.401E-11	4.509E-09	9.072E-09	9.846E-09	9.942E-09	9.060E-09	7.56E-09	9.568E-09	1.067E-08	9.636E-09	8.758E-09
SW	8.032E-10	6.131E-09	1.549E-08	2.468E-08	3.428E-08	2.290E-08	1.643E-08	1.246E-08	9.864E-09	8.069E-09	6.773E-09
WSW	1.140E-09	1.241E-08	3.171E-08	4.714E-08	6.140E-08	3.787E-08	2.581E-08	1.886E-08	1.449E-08	1.156E-08	9.484E-09
W	1.064E-08	5.102E-08	8.525E-08	8.348E-08	6.847E-08	4.232E-08	2.900E-08	2.131E-08	1.645E-08	1.318E-08	1.086E-08
WNW	1.398E-08	4.927E-08	7.065E-08	8.239E-08	9.495E-08	5.843E-08	4.000E-08	3.111E-08	2.523E-08	2.013E-08	1.655E-08
NW	1.052E-08	2.033E-08	3.981E-08	7.787E-08	1.512E-07	9.297E-08	6.361E-08	4.812E-08	3.809E-08	3.043E-08	2.504E-08
NNW	4.244E-09	2.157E-08	4.114E-08	5.052E-08	6.743E-08	7.052E-08	7.068E-08	6.746E-08	6.352E-08	5.037E-08	4.120E-08
N	2.438E-08	4.933E-08	4.942E-08	4.140E-08	3.497E-08	3.045E-08	2.620E-08	2.213E-08	1.895E-08	1.646E-08	1.447E-08
NNE	1.386E-08	2.428E-08	2.870E-08	2.962E-08	2.945E-08	2.579E-08	2.181E-08	1.843E-08	1.574E-08	1.361E-08	1.192E-08
NE	6.822E-11	4.531E-09	1.132E-08	1.500E-08	1.676E-08	1.507E-08	1.288E-08	1.094E-08	9.363E-09	8.105E-09	7.100E-09
ENE	1.094E-09	7.906E-09	1.140E-08	1.711E-08	1.123E-08	9.699E-09	8.093E-09	6.751E-09	5.692E-09	4.863E-09	4.210E-09
E	3.674E-09	2.123E-08	2.750E-08	2.711E-08	2.137E-08	1.755E-08	1.434E-08	1.186E-08	9.960E-09	8.503E-09	7.368E-09
ESE	2.329E-09	1.737E-08	3.039E-08	3.711E-08	3.283E-08	2.751E-08	2.247E-08	1.848E-08	1.542E-08	1.307E-08	1.124E-08
SE	1.939E-09	1.345E-08	2.923E-08	3.799E-08	3.990E-08	3.413E-08	2.809E-08	2.318E-08	1.939E-08	1.646E-08	1.418E-08
SSE	6.307E-09	9.844E-09	2.557E-08	3.581E-08	3.935E-08	3.412E-08	2.826E-08	2.340E-08	1.962E-08	2.649E-08	3.079E-08

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.328E-08	8.341E-09	5.343E-09	2.999E-09	2.027E-09	1.488E-09	1.144E-09	9.157E-10	7.569E-10	6.390E-10	5.478E-10
SSW	8.313E-09	6.843E-09	4.447E-09	2.543E-09	1.799E-09	1.378E-09	1.032E-09	8.280E-10	6.837E-10	5.767E-10	4.948E-10
SW	6.376E-09	6.321E-09	4.265E-09	2.560E-09	1.940E-09	1.540E-09	1.272E-09	1.030E-09	8.569E-10	7.279E-10	6.285E-10
WSW	8.256E-09	5.077E-09	3.493E-09	2.067E-09	1.368E-09	9.923E-10	7.632E-10	6.107E-10	5.032E-10	4.238E-10	3.633E-10
W	9.156E-09	4.976E-09	3.525E-09	2.237E-09	1.600E-09	1.170E-09	9.031E-10	7.251E-10	5.991E-10	5.059E-10	4.346E-10
WNW	1.413E-08	8.120E-09	5.589E-09	3.446E-09	2.378E-09	1.777E-09	1.403E-09	1.141E-09	9.480E-10	8.030E-10	6.916E-10
NW	2.140E-08	1.224E-08	8.442E-09	5.164E-09	3.467E-09	2.543E-09	2.013E-09	1.630E-09	1.348E-09	1.138E-09	9.774E-10
NNW	3.538E-08	2.040E-08	1.330E-08	7.669E-09	5.200E-09	3.847E-09	3.029E-09	2.472E-09	2.091E-09	1.786E-09	1.544E-09
N	1.290E-08	8.416E-09	7.338E-09	6.230E-09	5.252E-09	4.279E-09	3.350E-09	2.714E-09	2.260E-09	1.922E-09	1.663E-09
NNE	1.317E-08	1.866E-08	1.205E-08	6.866E-09	4.616E-09	3.393E-09	2.638E-09	2.132E-09	1.772E-09	1.505E-09	1.299E-09
NE	7.788E-09	9.524E-09	6.101E-09	3.433E-09	2.286E-09	1.668E-09	1.299E-09	1.048E-09	8.686E-10	7.357E-10	6.305E-10
ENE	4.314E-09	5.395E-09	3.531E-09	2.037E-09	1.376E-09	1.013E-09	8.251E-10	6.861E-10	5.666E-10	4.781E-10	4.182E-10
E	7.667E-09	9.269E-09	6.024E-09	3.449E-09	2.324E-09	1.710E-09	1.330E-09	1.074E-09	9.127E-10	7.869E-10	6.778E-10
ESE	1.118E-08	1.018E-08	6.570E-09	3.721E-09	2.488E-09	1.819E-09	1.408E-09	1.133E-09	9.382E-10	7.939E-10	6.834E-10
SE	1.237E-08	7.408E-09	5.567E-09	3.817E-09	2.733E-09	2.113E-09	1.715E-09	1.439E-09	1.193E-09	1.011E-09	8.710E-10
SSE	2.598E-08	1.390E-08	8.793E-09	4.860E-09	3.198E-09	2.312E-09	1.773E-09	1.417E-09	1.166E-09	9.812E-10	8.406E-10

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	2.633E-08	2.292E-08	1.610E-08	1.277E-08	1.388E-08	8.106E-09	3.088E-09	1.494E-09	9.204E-10	6.402E-10
SSW	8.402E-09	9.529E-09	8.895E-09	9.962E-09	8.853E-09	6.105E-09	2.635E-09	1.338E-09	8.313E-10	5.781E-10
SW	1.750E-08	2.709E-08	1.657E-08	9.922E-09	7.010E-09	5.420E-09	2.663E-09	1.540E-09	1.033E-09	7.293E-10
WSW	3.428E-08	4.777E-08	2.625E-08	1.462E-08	9.643E-09	5.079E-09	2.073E-09	1.001E-09	6.133E-10	4.249E-10
W	7.685E-08	6.018E-08	2.947E-08	1.659E-08	1.092E-08	5.260E-09	2.240E-09	1.178E-09	7.279E-10	5.071E-10
WNW	7.112E-08	7.593E-08	4.176E-08	2.497E-08	1.671E-08	8.331E-09	3.447E-09	1.788E-09	1.142E-09	8.047E-10
NW	5.240E-08	1.090E-07	6.724E-08	3.804E-08	2.529E-08	1.259E-08	5.138E-09	2.577E-09	1.632E-09	1.141E-09
NNW	4.096E-08	6.505E-08	6.935E-08	5.964E-08	4.176E-08	2.057E-08	7.823E-09	3.880E-09	2.486E-09	1.787E-09
N	4.584E-08	3.439E-08	2.570E-08	1.891E-08	1.448E-08	8.933E-09	6.041E-09	4.167E-09	2.723E-09	1.926E-09
NNE	2.813E-08	2.786E-08	2.152E-08	1.570E-08	1.289E-08	1.450E-08	7.019E-09	3.417E-09	2.139E-09	1.508E-09
NE	1.145E-08	1.562E-08	1.259E-08	9.334E-09	7.652E-09	7.617E-09	3.516E-09	1.685E-09	1.052E-09	7.354E-10
ENE	1.071E-08	1.063E-08	7.985E-09	5.679E-09	4.442E-09	4.327E-09	2.075E-09	1.035E-09	6.803E-10	4.792E-10
E	2.504E-08	2.350E-08	1.420E-08	9.947E-09	7.815E-09	7.470E-09	3.521E-09	1.722E-09	1.085E-09	7.837E-10
ESE	2.911E-08	3.073E-08	2.222E-08	1.540E-08	1.176E-08	8.799E-09	3.806E-09	1.833E-09	1.137E-09	7.958E-10
SE	2.962E-08	3.691E-08	2.774E-08	1.936E-08	1.419E-08	7.691E-09	3.724E-09	2.119E-09	1.424E-09	1.013E-09
SSE	2.663E-08	3.624E-08	2.788E-08	2.332E-08	2.774E-08	1.432E-08	4.995E-09	2.333E-09	1.423E-09	9.838E-10

B314

ERP ELEVATED STACK RELEASES - JUL-DEC 1995
 8.000 DAY DECAY, DEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	9.163E-09	2.809E-08	2.824E-08	2.706E-08	2.351E-08	1.936E-08	1.582E-08	1.307E-08	1.097E-08	1.302E-08	1.450E-08
SSW	5.402E-11	4.473E-09	8.920E-09	9.690E-09	9.786E-09	8.902E-09	7.801E-09	9.407E-09	1.052E-08	9.495E-09	8.632E-09
SW	8.033E-10	6.080E-09	1.531E-08	2.451E-08	3.387E-08	2.247E-08	1.603E-08	1.210E-08	9.549E-09	7.790E-09	6.525E-09
WSW	1.140E-09	1.230E-08	3.127E-08	4.667E-08	6.053E-08	3.704E-08	2.510E-08	1.825E-08	1.397E-08	1.110E-08	9.083E-09
W	1.064E-08	5.028E-08	8.401E-08	8.195E-08	6.693E-08	4.115E-08	2.809E-08	2.058E-08	1.585E-08	1.267E-08	1.042E-08
WNW	1.399E-08	4.887E-08	6.967E-08	8.123E-08	9.354E-08	5.726E-08	3.905E-08	3.032E-08	2.458E-08	1.955E-08	1.601E-08
NW	1.052E-08	2.016E-08	3.940E-08	7.732E-08	1.500E-07	9.177E-08	6.260E-08	4.728E-08	3.739E-08	2.980E-08	2.444E-08
NNW	4.244E-09	2.139E-08	4.045E-08	4.985E-08	6.665E-08	6.965E-08	6.986E-08	6.675E-08	6.291E-08	4.976E-08	4.055E-08
N	2.438E-08	4.890E-08	4.847E-08	4.058E-08	3.429E-08	2.981E-08	2.558E-08	2.155E-08	1.841E-08	1.595E-08	1.400E-08
NNE	1.387E-08	2.408E-08	2.825E-08	2.924E-08	2.904E-08	2.531E-08	2.130E-08	1.793E-08	1.526E-08	1.315E-08	1.148E-08
NE	6.823E-11	4.495E-09	1.118E-08	1.486E-08	1.656E-08	1.482E-08	1.260E-08	1.065E-08	9.080E-09	7.852E-09	6.804E-09
ENE	1.094E-09	7.839E-09	1.120E-08	1.142E-08	1.105E-08	9.499E-09	7.883E-09	6.541E-09	5.487E-09	4.666E-09	4.023E-09
E	3.675E-09	2.105E-08	2.699E-08	2.462E-08	2.094E-08	1.714E-08	1.394E-08	1.147E-08	9.600E-09	8.165E-09	7.052E-09
ESE	2.330E-09	1.723E-08	2.994E-08	3.361E-08	3.234E-08	2.695E-08	2.188E-08	1.789E-08	1.485E-08	1.253E-08	1.073E-08
SE	1.939E-09	1.334E-08	2.892E-08	3.771E-08	3.943E-08	3.349E-08	2.738E-08	2.246E-08	1.868E-08	1.578E-08	1.353E-08
SSE	6.308E-09	9.767E-09	2.533E-08	3.559E-08	3.891E-08	3.351E-08	2.756E-08	2.268E-08	1.891E-08	2.560E-08	2.984E-08

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.288E-08	7.968E-09	4.959E-09	2.626E-09	1.662E-09	1.157E-09	8.545E-10	6.601E-10	5.301E-10	4.379E-10	3.681E-10
SSW	8.203E-09	6.782E-09	4.235E-09	2.282E-09	1.511E-09	1.089E-09	8.206E-10	6.450E-10	5.230E-10	4.341E-10	3.671E-10
SW	6.152E-09	6.132E-09	4.028E-09	2.282E-09	1.615E-09	1.212E-09	9.733E-10	7.707E-10	6.288E-10	5.249E-10	4.462E-10
WSW	7.897E-09	4.790E-09	3.217E-09	1.824E-09	1.166E-09	8.233E-10	6.185E-10	4.849E-10	3.924E-10	3.252E-10	2.747E-10
W	8.775E-09	4.744E-09	3.341E-09	2.021E-09	1.372E-09	9.751E-10	7.347E-10	5.777E-10	4.687E-10	3.893E-10	3.295E-10
WNW	1.362E-08	7.636E-09	5.112E-09	2.970E-09	1.909E-09	1.361E-09	1.041E-09	8.268E-10	6.726E-10	5.589E-10	4.731E-10
NW	2.080E-08	1.161E-08	7.787E-09	4.500E-09	2.848E-09	1.990E-09	1.525E-09	1.208E-09	9.801E-10	8.136E-10	6.880E-10
NNW	3.467E-08	1.946E-08	1.229E-08	6.626E-09	4.148E-09	2.873E-09	2.145E-09	1.687E-09	1.388E-09	1.158E-09	9.803E-10
N	1.246E-08	8.091E-09	7.081E-09	6.065E-09	5.013E-09	3.911E-09	2.988E-09	2.370E-09	1.936E-09	1.619E-09	1.378E-09
NNE	1.272E-08	1.815E-08	1.137E-08	6.156E-09	3.953E-09	2.799E-09	2.108E-09	1.657E-09	1.344E-09	1.116E-09	9.442E-10
NE	7.521E-09	9.230E-09	5.739E-09	3.063E-09	1.939E-09	1.357E-09	1.024E-09	8.068E-10	6.547E-10	5.428E-10	4.586E-10
ENE	4.122E-09	5.227E-09	3.335E-09	1.826E-09	1.161E-09	8.131E-10	6.349E-10	5.105E-10	4.120E-10	3.406E-10	2.869E-10
E	7.350E-09	8.974E-09	5.673E-09	3.067E-09	1.934E-09	1.346E-09	9.984E-10	7.733E-10	6.325E-10	5.278E-10	4.437E-10
ESE	1.066E-08	9.709E-09	6.890E-09	3.262E-09	2.050E-09	1.424E-09	1.054E-09	8.153E-10	6.513E-10	5.334E-10	4.455E-10
SE	1.176E-08	4.934E-09	5.173E-09	3.538E-09	2.528E-09	1.958E-09	1.596E-09	1.342E-09	1.095E-09	9.149E-10	7.782E-10
SSE	2.503E-08	1.361E-08	7.973E-09	4.186E-09	2.636E-09	1.838E-09	1.366E-09	1.062E-09	8.529E-10	7.022E-10	5.895E-10

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	2.591E-08	2.245E-08	1.566E-08	1.235E-08	1.346E-08	7.723E-09	2.716E-09	1.171E-09	6.661E-10	4.394E-10
SSW	8.274E-09	9.372E-09	8.737E-09	9.811E-09	8.729E-09	5.939E-09	2.373E-09	1.094E-09	6.487E-10	4.356E-10
SW	1.735E-08	2.673E-08	1.618E-08	9.609E-09	6.762E-09	5.201E-09	2.373E-09	1.224E-09	7.745E-10	5.265E-10
WSW	3.390E-08	4.701E-08	2.555E-08	1.410E-08	9.241E-09	4.781E-09	1.841E-09	8.329E-10	4.878E-10	3.264E-10
W	7.560E-08	5.881E-08	2.857E-08	1.599E-08	1.048E-08	5.016E-09	2.026E-09	9.849E-10	5.818E-10	3.907E-10
WNW	7.019E-08	7.468E-08	4.042E-08	2.431E-08	1.618E-08	7.845E-09	2.975E-09	1.379E-09	8.293E-10	5.608E-10
NW	5.198E-08	1.080E-07	6.425E-08	3.733E-08	2.468E-08	1.195E-08	4.496E-09	2.033E-09	1.212E-09	8.164E-10
NNW	4.039E-08	6.425E-08	6.856E-08	5.980E-08	4.110E-08	1.965E-08	6.783E-09	2.922E-09	1.704E-09	1.160E-09
N	4.506E-08	3.370E-08	2.510E-08	1.837E-08	1.401E-08	8.613E-09	5.823E-09	3.836E-09	2.382E-09	1.624E-09
NNE	2.776E-08	2.743E-08	2.102E-08	1.522E-08	1.243E-08	1.393E-08	6.336E-09	2.830E-09	1.667E-09	1.120E-09
NE	1.133E-08	1.541E-08	1.241E-08	9.053E-09	7.386E-09	7.299E-09	3.158E-09	1.379E-09	8.108E-10	5.447E-10
ENE	1.055E-08	1.044E-08	7.777E-09	5.475E-09	4.250E-09	4.141E-09	1.866E-09	8.345E-10	5.085E-10	3.419E-10
E	2.462E-08	2.007E-08	1.381E-08	9.589E-09	7.492E-09	7.146E-09	3.142E-09	1.364E-09	7.840E-10	5.277E-10
ESE	2.875E-08	3.022E-08	2.163E-08	1.483E-08	1.124E-08	8.312E-09	3.352E-09	1.443E-09	8.210E-10	5.358E-10
SE	2.936E-08	3.641E-08	2.705E-08	1.866E-08	1.354E-08	7.223E-09	3.453E-09	1.965E-09	1.320E-09	9.176E-10
SSE	2.643E-08	3.577E-08	2.720E-08	2.254E-08	2.680E-08	1.344E-08	4.339E-09	1.862E-09	1.069E-09	7.051E-10

ERP ELEVATED STACK RELEASES - JUL-DEC 1995
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

***** RELATIVE DEPOSITION PER UNIT AREA (M³M⁻²) AT FIXED POINTS BY DOWNWIND SECTORS *****

DIRECTION FROM SITE	DISTANCES IN MILES										
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
S	2.802E-09	2.220E-09	1.800E-09	1.193E-09	5.621E-10	3.401E-10	2.282E-10	1.633E-10	1.220E-10	1.004E-10	8.774E-11
SSW	4.263E-10	3.691E-10	3.468E-10	2.585E-10	1.340E-10	8.434E-11	5.778E-11	4.179E-11	3.839E-11	2.905E-11	2.274E-11
SW	7.081E-10	6.010E-10	5.477E-10	3.994E-10	3.472E-10	1.876E-10	1.159E-10	7.863E-11	5.680E-11	4.296E-11	3.363E-11
WSW	1.127E-09	9.274E-10	8.035E-10	1.013E-09	4.701E-10	2.525E-10	1.555E-10	1.052E-10	7.588E-11	5.734E-11	4.488E-11
W	8.498E-10	1.962E-09	1.551E-09	9.315E-10	4.167E-10	2.243E-10	1.382E-10	9.354E-11	6.749E-11	5.100E-11	3.992E-11
WNW	1.677E-09	1.306E-09	1.659E-09	1.072E-09	5.726E-10	2.911E-10	1.758E-10	1.203E-10	9.158E-11	7.330E-11	6.208E-11
NW	1.828E-09	1.486E-09	1.260E-09	1.594E-09	9.365E-10	4.669E-10	2.776E-10	1.862E-10	1.367E-10	1.078E-10	8.990E-11
NNW	2.798E-09	2.199E-09	1.754E-09	1.145E-09	8.471E-10	4.535E-10	2.803E-10	2.347E-10	1.799E-10	1.490E-10	1.307E-10
N	4.469E-09	3.466E-09	2.696E-09	1.718E-09	7.806E-10	4.644E-10	3.088E-10	2.199E-10	1.639E-10	1.264E-10	1.001E-10
NNE	1.704E-09	1.468E-09	1.369E-09	1.015E-09	5.244E-10	3.295E-10	2.255E-10	1.630E-10	1.225E-10	9.478E-11	7.505E-11
NE	5.772E-10	5.448E-10	5.746E-10	4.308E-10	2.513E-10	1.611E-10	1.114E-10	8.096E-11	6.899E-11	4.724E-11	3.740E-11
ENE	8.412E-10	6.699E-10	5.481E-10	3.663E-10	1.739E-10	1.056E-10	7.097E-11	5.032E-11	3.800E-11	2.934E-11	2.323E-11
E	1.962E-09	1.559E-09	1.270E-09	8.452E-10	4.000E-10	2.424E-10	1.628E-10	1.165E-10	8.712E-11	6.726E-11	5.325E-11
ESE	2.006E-09	1.824E-09	1.834E-09	1.429E-09	7.648E-10	4.870E-10	3.356E-10	2.434E-10	1.832E-10	1.419E-10	1.123E-10
SE	2.174E-09	2.102E-09	2.280E-09	1.858E-09	1.023E-09	6.584E-10	4.561E-10	3.317E-10	2.500E-10	1.937E-10	1.534E-10
SSE	1.608E-09	1.621E-09	1.841E-09	1.538E-09	8.602E-10	5.565E-10	3.865E-10	2.815E-10	2.123E-10	2.006E-10	1.843E-10

DIRECTION FROM SITE	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	7.062E-11	4.889E-11	3.340E-11	1.948E-11	1.247E-11	9.077E-12	6.476E-12	4.837E-12	3.653E-12	2.918E-12	2.382E-12
SSW	1.847E-11	1.875E-11	1.383E-11	8.535E-12	5.018E-12	3.348E-12	2.399E-12	1.802E-12	1.414E-12	1.130E-12	9.220E-13
SW	2.723E-11	2.142E-11	1.505E-11	8.951E-12	5.721E-12	4.062E-12	2.737E-12	2.072E-12	1.611E-12	1.287E-12	1.050E-12
WSW	3.652E-11	2.149E-11	1.404E-11	9.269E-12	5.609E-12	3.761E-12	2.738E-12	2.056E-12	1.598E-12	1.277E-12	1.042E-12
W	3.211E-11	1.446E-11	1.507E-11	9.276E-12	6.185E-12	4.152E-12	2.975E-12	2.234E-12	1.737E-12	1.388E-12	1.133E-12
WNW	5.544E-11	3.634E-11	2.694E-11	1.676E-11	9.732E-12	6.541E-12	4.657E-12	3.497E-12	2.732E-12	2.182E-12	1.781E-12
NW	7.863E-11	4.938E-11	3.594E-11	2.243E-11	1.376E-11	9.195E-12	6.379E-12	4.790E-12	3.724E-12	2.975E-12	2.428E-12
NNW	1.198E-10	8.562E-11	6.570E-11	4.181E-11	2.708E-11	1.804E-11	1.119E-11	8.196E-12	6.299E-12	5.032E-12	4.108E-12
N	8.089E-11	3.869E-11	2.385E-11	1.289E-11	4.234E-11	2.350E-11	1.684E-11	1.265E-11	9.834E-12	7.856E-12	6.413E-12
NNE	6.055E-11	9.681E-11	5.989E-11	3.107E-11	1.896E-11	1.270E-11	9.078E-12	6.798E-12	5.274E-12	4.206E-12	3.429E-12
NE	3.016E-11	4.522E-11	2.848E-11	1.507E-11	7.248E-12	6.180E-12	4.425E-12	3.306E-12	2.584E-12	2.064E-12	1.685E-12
ENE	1.877E-11	1.790E-11	1.268E-11	7.611E-12	4.889E-12	3.289E-12	2.348E-12	1.574E-12	1.225E-12	9.804E-13	8.018E-13
E	4.302E-11	4.395E-11	3.158E-11	1.917E-11	1.233E-11	8.281E-12	5.898E-12	4.388E-12	3.382E-12	2.557E-12	2.084E-12
ESE	9.060E-11	8.020E-11	5.544E-11	3.250E-11	2.065E-11	1.382E-11	9.832E-12	7.312E-12	5.640E-12	4.486E-12	3.651E-12
SE	1.237E-10	5.873E-11	3.592E-11	1.904E-11	1.171E-11	8.099E-12	6.056E-12	4.378E-12	3.254E-12	2.578E-12	2.035E-12
SSE	1.531E-10	1.093E-10	6.670E-11	3.404E-11	2.068E-11	1.386E-11	9.931E-12	7.454E-12	5.794E-12	4.629E-12	3.779E-12

***** RELATIVE DEPOSITION PER UNIT AREA (M³M⁻²) BY DOWNWIND SECTORS *****

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	1.623E-09	6.035E-10	2.321E-10	1.256E-10	8.515E-11	4.683E-11	1.946E-11	8.942E-12	4.854E-12	2.937E-12
SSW	3.125E-10	1.396E-10	5.846E-11	3.580E-11	2.303E-11	1.650E-11	8.148E-12	3.413E-12	1.825E-12	1.137E-12
SW	4.936E-10	2.879E-10	1.201E-10	5.776E-11	3.402E-11	1.988E-11	8.870E-12	3.974E-12	2.087E-12	1.295E-12
WSW	9.242E-10	4.940E-10	1.612E-10	7.719E-11	4.548E-11	2.152E-11	8.703E-12	3.844E-12	2.076E-12	1.285E-12
W	1.367E-09	4.456E-10	1.433E-10	6.865E-11	4.031E-11	1.866E-11	9.190E-12	4.223E-12	2.256E-12	1.397E-12
WNW	1.320E-09	5.585E-10	1.843E-10	9.282E-11	6.295E-11	3.641E-11	1.590E-11	6.638E-12	3.537E-12	2.197E-12
NW	1.459E-09	8.740E-10	2.915E-10	1.398E-10	9.102E-11	4.991E-11	2.158E-11	9.286E-12	4.838E-12	2.994E-12
NNW	1.582E-09	7.385E-10	3.083E-10	1.838E-10	1.321E-10	8.437E-11	4.057E-11	1.771E-11	8.329E-12	5.065E-12
N	2.432E-09	8.483E-10	3.147E-10	1.656E-10	1.008E-10	4.147E-11	2.841E-11	2.586E-11	1.277E-11	7.908E-12
NNE	1.234E-09	5.468E-10	2.283E-10	1.235E-10	7.553E-11	7.234E-11	3.209E-11	1.292E-11	6.869E-12	4.234E-12
NE	5.174E-10	2.578E-10	1.125E-10	6.146E-11	3.764E-11	3.443E-11	1.546E-11	6.296E-12	3.351E-12	2.078E-12
ENE	4.943E-10	1.863E-10	7.214E-11	3.836E-11	2.339E-11	1.577E-11	7.527E-12	3.339E-12	1.662E-12	9.868E-13
E	1.145E-09	4.289E-10	1.655E-10	8.796E-11	5.361E-11	3.825E-11	1.889E-11	8.408E-12	4.436E-12	2.627E-12
ESE	1.652E-09	7.889E-10	3.391E-10	1.847E-10	1.130E-10	7.151E-11	3.233E-11	1.405E-11	7.395E-12	4.519E-12
SE	2.053E-09	1.046E-09	4.603E-10	2.519E-10	1.543E-10	6.302E-11	1.953E-11	8.246E-12	7.620E-12	5.827E-12
SSE	1.658E-09	8.758E-10	3.898E-10	2.276E-10	1.776E-10	1.001E-10	3.536E-11	1.411E-11	7.529E-12	4.659E-12

ERP ELEVATED STACK RELEASES - JUL-DEC 1995
CORRECTED FOR OPEN TERRAIN RECIRCULATION
SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q		X/Q		D/Q
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	(PER SQ.METER)	
					NO DECAY	2.260 DAY DECAY	8.000 DAY DECAY		
					UNDEPLETED	UNDEPLETED	DEPLETED		
A	SITE BOUNDARY	S	0.88	1287.	2.867E-08	2.864E-08	2.812E-08	1.659E-09	
A	SITE BOUNDARY	SSW	0.82	1327.	9.428E-09	9.414E-09	9.254E-09	3.207E-10	
A	SITE BOUNDARY	SW	0.98	1569.	2.387E-08	2.384E-08	2.366E-08	4.160E-10	
A	SITE BOUNDARY	WSW	0.93	1489.	4.288E-08	4.282E-08	4.236E-08	8.610E-10	
A	SITE BOUNDARY	W	0.91	1468.	8.545E-08	8.529E-08	8.384E-08	1.103E-09	
A	SITE BOUNDARY	WNW	0.94	1509.	7.961E-08	7.947E-08	7.836E-08	1.219E-09	
A	SITE BOUNDARY	NW	0.81	1307.	4.803E-08	4.798E-08	4.759E-08	1.152E-09	
A	SITE BOUNDARY	NNW	0.69	1106.	3.621E-08	3.618E-08	3.559E-08	1.837E-09	
A	SITE BOUNDARY	N	0.67	1086.	4.922E-08	4.919E-08	4.833E-08	2.876E-09	
A	SITE BOUNDARY	NNE	0.60	965.	2.534E-08	2.532E-08	2.498E-08	1.404E-09	
A	SITE BOUNDARY	NE	0.62	1005.	7.638E-09	7.633E-09	7.540E-09	5.509E-10	
A	SITE BOUNDARY	ENE	0.59	945.	9.281E-09	9.275E-09	9.151E-09	6.164E-10	
A	SITE BOUNDARY	E	0.53	845.	2.216E-08	2.215E-08	2.193E-08	1.519E-09	
A	SITE BOUNDARY	ESE	0.54	865.	1.925E-08	1.923E-08	1.904E-08	1.809E-09	
A	SITE BOUNDARY	SE	0.65	1046.	2.179E-08	2.178E-08	2.153E-08	2.178E-09	
A	SITE BOUNDARY	SSE	0.81	1307.	2.881E-08	2.878E-08	2.853E-08	1.794E-09	
A	NEAR. RESIDENCE	SW	1.30	2092.	3.229E-08	3.221E-08	3.191E-08	4.654E-10	
A	NEAR. RESIDENCE	WSW	1.30	2092.	5.920E-08	5.903E-08	5.829E-08	6.324E-10	
A	NEAR. RESIDENCE	W	1.00	1609.	8.366E-08	8.348E-08	8.195E-08	9.315E-10	
A	NEAR. RESIDENCE	WNW	1.60	2575.	8.550E-08	8.525E-08	8.388E-08	4.914E-10	
A	NEAR. RESIDENCE	NW	0.90	1448.	6.131E-08	6.124E-08	6.083E-08	1.794E-09	
A	NEAR. RESIDENCE	NNW	1.90	3058.	7.044E-08	7.025E-08	6.938E-08	5.077E-10	
A	NEAR. RESIDENCE	N	3.00	4828.	2.222E-08	2.213E-08	2.155E-08	2.199E-10	
A	NEAR. RESIDENCE	NNE	2.70	4345.	2.046E-08	2.037E-08	1.987E-08	1.970E-10	
A	NEAR. RESIDENCE	ENE	1.70	2736.	1.073E-08	1.068E-08	1.049E-08	1.374E-10	
A	NEAR. RESIDENCE	E	1.80	2897.	1.910E-08	1.903E-08	1.862E-08	2.831E-10	
A	NEAR. RESIDENCE	ESE	2.40	3863.	2.346E-08	2.340E-08	2.281E-08	3.597E-10	
A	NEAREST COW	NNW	3.50	5633.	6.387E-08	6.351E-08	6.290E-08	1.799E-10	
A	NEAREST GARDEN	SW	1.30	2092.	3.229E-08	3.221E-08	3.191E-08	4.654E-10	
A	NEAREST GARDEN	WSW	1.80	2897.	4.551E-08	4.530E-08	4.444E-08	3.164E-10	
A	NEAREST GARDEN	WNW	1.60	2575.	8.550E-08	8.525E-08	8.388E-08	4.914E-10	
A	NEAREST GARDEN	NW	2.80	4506.	5.380E-08	5.347E-08	5.257E-08	2.159E-10	
A	NEAREST GARDEN	NNW	1.90	3058.	7.044E-08	7.025E-08	6.938E-08	5.077E-10	
A	NEAREST GARDEN	N	3.00	4828.	2.222E-08	2.213E-08	2.155E-08	2.199E-10	
A	NEAREST GARDEN	ENE	1.70	2736.	1.073E-08	1.068E-08	1.049E-08	1.374E-10	
A	NEAREST GARDEN	E	1.80	2897.	1.910E-08	1.903E-08	1.862E-08	2.831E-10	
A	NEAREST GARDEN	ESE	2.40	3863.	2.346E-08	2.340E-08	2.281E-08	3.597E-10	

Atmospheric Diffusion Estimates

Elevated Releases

January-December 1995

ERP ELEVATED STACK RELEASES - JAN-DEC 1995
 NO DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	2.118E-08	4.118E-08	4.981E-08	4.382E-08	3.517E-08	2.796E-08	2.224E-08	1.808E-08	1.500E-08	1.682E-08	1.804E-08
SSW	8.382E-09	1.471E-08	1.921E-08	1.980E-08	1.925E-08	1.662E-08	1.391E-08	1.511E-08	1.566E-08	1.382E-08	1.236E-08
SW	3.843E-09	1.858E-08	3.037E-08	4.087E-08	4.930E-08	3.193E-08	2.242E-08	1.672E-08	1.305E-08	1.054E-08	8.744E-09
WSW	1.617E-09	1.304E-08	2.899E-08	4.184E-08	5.876E-08	3.693E-08	2.558E-08	1.896E-08	1.476E-08	1.192E-08	9.901E-09
W	1.619E-08	4.579E-08	7.478E-08	7.360E-08	6.123E-08	3.857E-08	2.691E-08	2.011E-08	1.577E-08	1.281E-08	1.069E-08
WNW	1.308E-08	5.739E-08	9.349E-08	1.050E-07	1.069E-07	6.432E-08	4.338E-08	3.312E-08	2.654E-08	2.109E-08	1.727E-08
NW	1.270E-08	2.931E-08	6.826E-08	1.271E-07	1.998E-07	1.185E-07	7.925E-08	5.862E-08	4.561E-08	3.612E-08	2.951E-08
NHW	6.159E-09	2.215E-08	4.040E-08	5.124E-08	6.749E-08	6.739E-08	6.432E-08	5.947E-08	5.518E-08	4.373E-08	3.576E-08
N	1.505E-08	3.984E-08	4.369E-08	3.729E-08	3.087E-08	2.622E-08	2.213E-08	1.843E-08	1.561E-08	1.342E-08	1.170E-08
NNE	1.032E-08	2.931E-08	3.658E-08	3.323E-08	2.875E-08	2.415E-08	2.013E-08	1.694E-08	1.445E-08	1.251E-08	1.097E-08
NE	7.615E-10	1.011E-08	1.810E-08	1.919E-08	1.862E-08	1.632E-08	1.390E-08	1.184E-08	1.018E-08	8.851E-09	7.791E-09
ENE	5.504E-10	4.406E-09	7.234E-09	8.290E-09	8.842E-09	7.910E-09	6.734E-09	5.700E-09	4.863E-09	4.197E-09	3.667E-09
E	1.823E-09	1.066E-08	1.574E-08	1.662E-08	1.598E-08	1.358E-08	1.123E-08	9.331E-09	7.859E-09	6.720E-09	5.829E-09
ESE	1.872E-09	1.404E-08	2.404E-08	2.634E-08	2.516E-08	2.113E-08	1.732E-08	1.429E-08	1.197E-08	1.019E-08	8.796E-09
SE	4.003E-09	1.929E-08	3.107E-08	3.655E-08	3.730E-08	3.200E-08	2.648E-08	2.196E-08	1.843E-08	1.570E-08	1.355E-08
SSE	1.051E-08	3.348E-08	4.962E-08	5.298E-08	5.013E-08	4.192E-08	3.428E-08	2.824E-08	2.361E-08	3.182E-08	3.717E-08

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.602E-08	1.076E-08	6.997E-09	4.024E-09	2.843E-09	2.165E-09	1.691E-09	1.373E-09	1.159E-09	7.973E-10	8.660E-10
SSW	1.160E-08	9.581E-09	6.261E-09	3.624E-09	2.608E-09	1.969E-09	1.539E-09	1.251E-09	1.047E-09	8.946E-10	7.777E-10
SW	7.934E-09	7.189E-09	4.084E-09	2.394E-09	1.743E-09	1.355E-09	1.105E-09	8.996E-10	7.536E-10	6.450E-10	5.615E-10
WSW	8.840E-09	6.300E-09	4.757E-09	3.149E-09	2.148E-09	1.601E-09	1.262E-09	1.032E-09	8.671E-10	7.443E-10	6.496E-10
W	9.116E-09	5.189E-09	3.956E-09	2.837E-09	2.247E-09	1.692E-09	1.332E-09	1.089E-09	9.158E-10	7.864E-10	6.865E-10
WNW	1.470E-08	8.383E-09	5.774E-09	3.598E-09	2.513E-09	1.903E-09	1.523E-09	1.255E-09	1.056E-09	9.045E-10	7.880E-10
NW	2.500E-08	1.391E-08	9.461E-09	5.731E-09	3.871E-09	2.861E-09	2.279E-09	1.862E-09	1.557E-09	1.330E-09	1.155E-09
NHW	3.069E-08	1.776E-08	1.161E-08	6.737E-09	4.599E-09	3.427E-09	2.720E-09	2.239E-09	1.913E-09	1.650E-09	1.437E-09
N	1.035E-08	6.564E-09	5.500E-09	4.440E-09	3.679E-09	2.995E-09	2.354E-09	1.916E-09	1.603E-09	1.370E-09	1.190E-09
NNE	1.227E-08	1.907E-08	1.242E-08	7.176E-09	4.888E-09	3.636E-09	2.860E-09	2.336E-09	1.962E-09	1.683E-09	1.468E-09
NE	8.708E-09	1.155E-08	7.454E-09	4.252E-09	2.870E-09	2.120E-09	1.671E-09	1.364E-09	1.142E-09	9.750E-10	8.467E-10
ENE	3.865E-09	4.963E-09	3.259E-09	1.896E-09	1.295E-09	9.641E-10	7.868E-10	6.580E-10	5.510E-10	4.714E-10	4.102E-10
E	6.063E-09	7.309E-09	4.769E-09	2.753E-09	1.871E-09	1.388E-09	1.088E-09	8.870E-10	7.596E-10	6.602E-10	5.739E-10
ESE	8.842E-09	8.951E-09	5.848E-09	3.377E-09	2.293E-09	1.700E-09	1.332E-09	1.084E-09	9.074E-10	7.759E-10	6.747E-10
SE	1.185E-08	7.162E-09	5.411E-09	3.739E-09	2.697E-09	2.101E-09	1.721E-09	1.457E-09	1.220E-09	1.042E-09	9.060E-10
SSE	3.146E-08	1.713E-08	1.090E-08	6.100E-09	4.062E-09	2.969E-09	2.301E-09	1.857E-09	1.543E-09	1.311E-09	1.134E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	0-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	4.523E-08	3.384E-08	2.207E-08	1.657E-08	1.693E-08	1.026E-08	4.160E-09	2.156E-09	1.383E-09	9.967E-10
SSW	1.847E-08	1.820E-08	1.511E-08	1.480E-08	1.251E-08	8.553E-09	3.758E-09	1.967E-09	1.255E-09	8.964E-10
SW	3.242E-08	3.971E-08	2.268E-08	1.314E-08	8.975E-09	5.641E-09	2.480E-09	1.358E-09	9.026E-10	6.462E-10
WSW	3.116E-08	4.530E-08	2.596E-08	1.488E-08	1.011E-08	6.179E-09	3.062E-09	1.612E-09	1.035E-09	7.456E-10
W	6.781E-08	5.591E-08	2.730E-08	1.588E-08	1.073E-08	5.513E-09	2.823E-09	1.696E-09	1.093E-09	7.878E-10
WNW	9.092E-08	8.772E-08	4.486E-08	2.634E-08	1.745E-08	8.627E-09	3.599E-09	1.913E-09	1.256E-09	9.062E-10
NW	8.593E-08	1.476E-07	8.148E-08	4.571E-08	2.980E-08	1.440E-08	5.733E-09	2.897E-09	1.865E-09	1.372E-09
NHW	4.116E-08	6.384E-08	6.320E-08	5.205E-08	3.624E-08	1.790E-08	6.870E-09	3.457E-09	2.252E-09	1.649E-09
N	3.999E-08	3.023E-08	2.174E-08	1.558E-08	1.171E-08	6.932E-09	4.337E-09	2.921E-09	1.922E-09	1.372E-09
NNE	3.347E-08	2.770E-08	1.993E-08	1.442E-08	1.191E-08	1.460E-08	7.324E-09	3.659E-09	2.343E-09	1.686E-09
NE	1.684E-08	1.772E-08	1.372E-08	1.015E-08	8.445E-09	9.098E-09	4.349E-09	2.140E-09	1.367E-09	9.770E-10
ENE	7.075E-09	8.305E-09	6.634E-09	4.848E-09	3.897E-09	3.961E-09	1.932E-09	9.813E-10	6.541E-10	4.723E-10
E	1.500E-08	1.506E-08	1.110E-08	7.846E-09	6.180E-09	5.903E-09	2.809E-09	1.397E-09	8.960E-10	6.577E-10
ESE	2.284E-08	2.363E-08	1.712E-08	1.195E-08	9.225E-09	7.548E-09	3.444E-09	1.711E-09	1.087E-09	7.774E-10
SE	3.088E-08	3.478E-08	2.614E-08	1.840E-08	1.356E-08	7.426E-09	3.647E-09	2.108E-09	1.442E-09	1.044E-09
SSE	4.753E-08	4.712E-08	3.390E-08	2.806E-08	3.347E-08	1.754E-08	6.261E-09	2.993E-09	1.864E-09	1.314E-09

ERP ELEVATED STACK RELEASES - JAN-DEC 1995
 2.260 DAY DECAY, UNDEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

SECTOR	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
S	2.117E-08	4.115E-08	4.976E-08	4.376E-08	3.509E-08	2.777E-08	2.215E-08	1.799E-08	1.491E-08	1.670E-08	1.790E-08
SSW	8.378E-09	1.470E-08	1.918E-08	1.976E-08	1.919E-08	1.654E-08	1.382E-08	1.499E-08	1.551E-08	1.366E-08	1.220E-08
SW	3.842E-09	1.856E-08	3.033E-08	4.079E-08	4.914E-08	3.178E-08	2.229E-08	1.660E-08	1.293E-08	1.043E-08	8.644E-09
WSW	1.617E-09	1.303E-08	2.895E-08	4.176E-08	5.853E-08	3.673E-08	2.540E-08	1.880E-08	1.461E-08	1.178E-08	9.764E-09
W	1.618E-08	4.574E-08	7.467E-08	7.345E-08	6.101E-08	3.837E-08	2.674E-08	1.995E-08	1.561E-08	1.266E-08	1.055E-08
WNW	1.307E-08	5.733E-08	9.334E-08	1.055E-07	1.065E-07	6.399E-08	4.310E-08	3.286E-08	2.629E-08	2.086E-08	1.706E-08
NW	1.270E-08	2.929E-08	6.819E-08	1.273E-07	1.992E-07	1.181E-07	7.886E-08	5.826E-08	4.528E-08	3.582E-08	2.923E-08
NNW	6.157E-09	2.213E-08	4.036E-08	5.117E-08	6.731E-08	6.715E-08	6.402E-08	5.913E-08	5.480E-08	4.339E-08	3.544E-08
N	1.505E-08	3.982E-08	4.366E-08	3.725E-08	3.080E-08	2.615E-08	2.205E-08	1.835E-08	1.552E-08	1.334E-08	1.162E-08
NNE	1.032E-08	2.929E-08	3.654E-08	3.318E-08	2.868E-08	2.407E-08	2.005E-08	1.685E-08	1.437E-08	1.242E-08	1.089E-08
NE	7.614E-10	1.010E-08	1.816E-08	1.915E-08	1.855E-08	1.625E-08	1.382E-08	1.176E-08	1.009E-08	6.768E-09	7.709E-09
ENE	5.502E-10	4.403E-09	7.227E-09	8.275E-09	8.810E-09	7.870E-09	6.691E-09	5.656E-09	4.818E-09	4.153E-09	3.624E-09
E	1.822E-09	1.065E-08	1.572E-08	1.659E-08	1.594E-08	1.353E-08	1.118E-08	9.277E-09	7.885E-09	6.666E-09	5.777E-09
ESE	1.872E-09	1.403E-08	2.401E-08	2.630E-08	2.510E-08	2.106E-08	1.725E-08	1.422E-08	1.190E-08	1.012E-08	8.730E-09
SE	4.002E-09	1.928E-08	3.105E-08	3.651E-08	3.723E-08	3.192E-08	2.639E-08	2.187E-08	1.834E-08	1.561E-08	1.347E-08
SSE	1.051E-08	3.346E-08	4.958E-08	5.293E-08	5.003E-08	4.182E-08	3.417E-08	2.812E-08	2.350E-08	3.164E-08	3.691E-08

BEARING	ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)										
	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.588E-08	1.060E-08	6.852E-09	3.896E-09	2.718E-09	2.044E-09	1.577E-09	1.266E-09	1.056E-09	8.966E-10	7.694E-10
SSW	1.143E-08	9.367E-09	6.076E-09	3.464E-09	2.457E-09	1.828E-09	1.408E-09	1.128E-09	9.302E-10	7.837E-10	6.716E-10
SW	7.832E-09	6.063E-09	3.973E-09	2.296E-09	1.648E-09	1.263E-09	1.015E-09	8.149E-10	6.732E-10	5.682E-10	4.879E-10
WSW	8.700E-09	6.132E-09	4.579E-09	2.966E-09	1.982E-09	1.447E-09	1.118E-09	8.953E-10	7.373E-10	6.201E-10	5.303E-10
W	8.984E-09	5.071E-09	3.829E-09	2.692E-09	2.087E-09	1.542E-09	1.191E-09	9.561E-10	7.889E-10	6.648E-10	5.696E-10
WNW	1.450E-08	8.201E-09	5.604E-09	3.433E-09	2.358E-09	1.756E-09	1.362E-09	1.120E-09	9.270E-10	7.813E-10	6.698E-10
NW	2.473E-08	1.368E-08	9.245E-09	5.530E-09	3.690E-09	2.695E-09	2.120E-09	1.711E-09	1.413E-09	1.193E-09	1.024E-09
NNW	3.038E-08	1.749E-08	1.138E-08	6.533E-09	4.414E-09	3.256E-09	2.558E-09	2.084E-09	1.763E-09	1.504E-09	1.298E-09
N	1.027E-08	6.493E-09	5.422E-09	4.350E-09	3.580E-09	2.895E-09	2.261E-09	1.828E-09	1.519E-09	1.289E-09	1.114E-09
NNE	1.217E-08	1.882E-08	1.220E-08	6.985E-09	4.715E-09	3.477E-09	2.710E-09	2.194E-09	1.826E-09	1.553E-09	1.342E-09
NE	8.607E-09	1.37E-08	7.296E-09	4.118E-09	2.751E-09	2.011E-09	1.569E-09	1.268E-09	1.051E-09	8.887E-10	7.642E-10
ENE	3.816E-09	4.74E-09	3.172E-09	1.821E-09	1.226E-09	9.007E-10	7.243E-10	5.969E-10	4.930E-10	4.161E-10	3.572E-10
E	6.082E-09	7.398E-09	4.673E-09	2.671E-09	1.797E-09	1.320E-09	1.025E-09	8.272E-10	7.017E-10	6.040E-10	5.200E-10
ESE	8.769E-09	8.838E-09	5.750E-09	3.292E-09	2.216E-09	1.629E-09	1.266E-09	1.022E-09	8.483E-10	7.195E-10	6.205E-10
SE	1.177E-08	7.086E-09	5.334E-09	3.658E-09	2.617E-09	2.021E-09	1.640E-09	1.375E-09	1.140E-09	9.664E-10	8.327E-10
SSE	3.121E-08	1.692E-08	1.073E-08	5.951E-09	3.930E-09	2.849E-09	2.190E-09	1.752E-09	1.444E-09	1.217E-09	1.044E-09

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	4.518E-08	3.376E-08	2.198E-08	1.647E-08	1.680E-08	1.011E-08	4.029E-09	2.037E-09	1.275E-09	8.966E-10
SSW	1.844E-08	1.814E-08	1.502E-08	1.466E-08	1.235E-08	8.361E-09	3.597E-09	1.828E-09	1.133E-09	7.856E-10
SW	3.237E-08	3.957E-08	2.254E-08	1.303E-08	8.873E-09	5.527E-09	2.381E-09	1.266E-09	8.180E-10	5.696E-10
WSW	3.111E-08	4.512E-08	2.578E-08	1.473E-08	9.966E-09	6.013E-09	2.887E-09	1.458E-09	8.987E-10	6.215E-10
W	6.770E-08	5.371E-08	2.712E-08	1.573E-08	1.060E-08	5.388E-09	2.676E-09	1.547E-09	9.597E-10	6.663E-10
WNW	9.076E-08	8.740E-08	4.458E-08	2.610E-08	1.724E-08	8.446E-09	3.438E-09	1.767E-09	1.121E-09	7.832E-10
NW	8.581E-08	1.472E-07	8.108E-08	4.538E-08	2.951E-08	1.416E-08	5.538E-09	2.730E-09	1.714E-09	1.195E-09
NNW	4.111E-08	6.365E-08	6.290E-08	5.169E-08	3.592E-08	1.764E-08	6.668E-09	3.286E-09	2.097E-09	1.504E-09
N	3.996E-08	3.017E-08	2.166E-08	1.550E-08	1.163E-08	6.857E-09	4.246E-09	2.824E-09	1.834E-09	1.292E-09
NNE	3.343E-08	2.763E-08	1.984E-08	1.434E-08	1.182E-08	1.440E-08	7.135E-09	3.500E-09	2.201E-09	1.556E-09
NE	1.681E-08	1.766E-08	1.364E-08	1.006E-08	8.355E-09	8.944E-09	4.217E-09	2.032E-09	1.271E-09	8.908E-10
ENE	7.065E-09	8.273E-09	6.591E-09	4.804E-09	3.852E-09	3.879E-09	1.857E-09	9.169E-10	5.937E-10	4.171E-10
E	1.498E-08	1.501E-08	1.104E-08	7.792E-09	6.124E-09	5.810E-09	2.727E-09	1.329E-09	8.359E-10	6.018E-10
ESE	2.281E-08	2.357E-08	1.705E-08	1.189E-08	9.156E-09	7.450E-09	3.360E-09	1.640E-09	1.025E-09	7.210E-10
SE	3.086E-08	3.471E-08	2.606E-08	1.831E-08	1.348E-08	7.348E-09	3.568E-09	2.028E-09	1.361E-09	9.685E-10
SSE	4.749E-08	4.702E-08	3.379E-08	2.792E-08	3.324E-08	1.734E-08	6.114E-09	2.874E-09	1.760E-09	1.220E-09

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ERP ELEVATED STACK RELEASES - JAN-DEC 1995
 6.000 DAY DECAY, DEPLETED
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)		DISTANCE IN MILES										
SECTOR	0.250	0.500	0.750	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	
S	2.118E-08	4.080E-08	4.881E-08	4.289E-08	3.432E-08	2.704E-08	2.146E-08	1.734E-08	1.431E-08	1.605E-08	1.724E-08	
SSW	8.381E-09	1.458E-08	1.887E-08	1.948E-08	1.889E-08	1.621E-08	1.348E-08	1.460E-08	1.509E-08	1.326E-08	1.183E-08	
SW	3.843E-09	1.841E-08	2.989E-08	4.042E-08	4.845E-08	3.105E-08	2.161E-08	1.399E-08	1.239E-08	9.951E-09	8.213E-09	
WSW	1.617E-09	1.292E-08	2.852E-08	4.131E-08	5.782E-08	3.606E-08	2.482E-08	1.831E-08	1.419E-08	1.142E-08	9.453E-09	
W	1.619E-08	4.501E-08	7.357E-08	7.211E-08	5.962E-08	3.730E-08	2.590E-08	1.927E-08	1.506E-08	1.220E-08	1.015E-08	
WNW	1.307E-08	5.687E-08	9.202E-08	1.040E-07	1.046E-07	6.235E-08	4.176E-08	3.175E-08	2.536E-08	2.006E-08	1.633E-08	
NW	1.270E-08	2.905E-08	6.745E-08	1.263E-07	1.968E-07	1.158E-07	7.693E-08	5.664E-08	4.398E-08	3.460E-08	2.810E-08	
NNW	6.158E-09	2.195E-08	3.971E-08	5.055E-08	6.656E-08	6.623E-08	6.312E-08	5.831E-08	5.416E-08	4.270E-08	3.474E-08	
N	1.505E-08	3.948E-08	4.282E-08	3.650E-08	3.018E-08	2.556E-08	2.148E-08	1.782E-08	1.503E-08	1.288E-08	1.119E-08	
NNE	1.032E-08	2.904E-08	3.586E-08	3.254E-08	2.812E-08	2.353E-08	1.953E-08	1.636E-08	1.390E-08	1.199E-08	1.049E-08	
NE	7.615E-10	1.002E-08	1.784E-08	1.884E-08	1.824E-08	1.592E-08	1.349E-08	1.144E-08	9.792E-09	8.484E-09	7.442E-09	
ENE	5.504E-10	4.366E-09	7.114E-09	8.171E-09	8.692E-09	7.727E-09	6.534E-09	5.496E-09	4.661E-09	4.001E-09	3.479E-09	
E	1.823E-09	1.056E-08	1.547E-08	1.636E-08	1.569E-08	1.325E-08	1.089E-08	8.987E-09	7.524E-09	6.399E-09	5.523E-09	
ESE	1.872E-09	1.392E-08	2.365E-08	2.595E-08	2.470E-08	2.061E-08	1.679E-08	1.377E-08	1.146E-08	9.702E-09	8.338E-09	
SE	4.002E-09	1.912E-08	3.064E-08	3.616E-08	3.676E-08	3.132E-08	2.574E-08	2.120E-08	1.769E-08	1.499E-08	1.288E-08	
SSE	1.051E-08	3.318E-08	4.882E-08	5.224E-08	4.926E-08	4.094E-08	3.326E-08	2.722E-08	2.264E-08	3.059E-08	3.580E-08	

ANNUAL AVERAGE CHI/Q (SEC/METER CUBED)		DISTANCE IN MILES									
BEARING	5.000	7.500	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000
S	1.527E-08	1.008E-08	6.344E-09	3.417E-09	2.244E-09	1.605E-09	1.191E-09	9.233E-10	7.484E-10	6.234E-10	5.255E-10
SSW	1.108E-08	9.047E-09	5.714E-09	3.085E-09	2.040E-09	1.489E-09	1.120E-09	8.799E-10	7.130E-10	5.914E-10	4.998E-10
SW	7.437E-09	5.756E-09	3.678E-09	2.019E-09	1.367E-09	9.972E-10	7.801E-10	6.128E-10	4.966E-10	4.121E-10	3.484E-10
WSW	8.430E-09	5.915E-09	4.329E-09	2.715E-09	1.765E-09	1.261E-09	9.577E-10	7.562E-10	6.155E-10	5.127E-10	4.350E-10
W	6.641E-09	4.871E-09	3.692E-09	2.500E-09	1.851E-09	1.338E-09	1.015E-09	8.020E-10	6.534E-10	5.447E-10	4.625E-10
WNW	1.383E-08	7.649E-09	5.101E-09	2.966E-09	1.912E-09	1.359E-09	1.037E-09	8.233E-10	6.688E-10	5.545E-10	4.684E-10
NW	2.367E-08	1.277E-08	8.400E-09	4.761E-09	3.012E-09	2.106E-09	1.607E-09	1.267E-09	1.026E-09	8.497E-10	7.174E-10
NNW	2.966E-08	1.664E-08	1.049E-08	5.652E-09	3.541E-09	2.453E-09	1.831E-09	1.436E-09	1.181E-09	9.860E-10	8.335E-10
N	9.872E-09	6.197E-09	5.185E-09	4.191E-09	3.390E-09	2.631E-09	2.006E-09	1.588E-09	1.295E-09	1.081E-09	9.195E-10
NNE	1.176E-08	1.637E-08	1.155E-08	6.280E-09	4.039E-09	2.863E-09	2.157E-09	1.696E-09	1.375E-09	1.142E-09	9.660E-10
NE	8.339E-09	1.107E-08	6.930E-09	3.699E-09	2.351E-09	1.650E-09	1.248E-09	9.856E-10	8.011E-10	6.650E-10	5.626E-10
ENE	3.667E-09	4.728E-09	3.002E-09	1.631E-09	1.030E-09	7.178E-10	5.520E-10	4.399E-10	3.548E-10	2.931E-10	2.467E-10
E	5.744E-09	6.952E-09	4.389E-09	2.369E-09	1.492E-09	1.038E-09	7.696E-10	5.960E-10	4.867E-10	4.056E-10	3.406E-10
ESE	8.372E-09	8.478E-09	5.365E-09	2.904E-09	1.836E-09	1.280E-09	9.502E-10	7.366E-10	5.895E-10	4.835E-10	4.043E-10
SE	1.121E-08	6.650E-09	4.975E-09	3.400E-09	2.428E-09	1.878E-09	1.530E-09	1.285E-09	1.048E-09	8.751E-10	7.439E-10
SSE	3.812E-08	1.587E-08	9.746E-09	5.126E-09	3.224E-09	2.245E-09	1.667E-09	1.294E-09	1.038E-09	8.536E-10	7.157E-10

CHI/Q (SEC/METER CUBED) FOR EACH SEGMENT

DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES									
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
S	4.440E-08	3.299E-08	2.130E-08	1.584E-08	1.616E-08	9.573E-09	3.546E-09	1.610E-09	9.331E-10	6.242E-10
SSW	1.819E-08	1.783E-08	1.465E-08	1.425E-08	1.198E-08	8.018E-09	3.214E-09	1.494E-09	8.851E-10	5.935E-10
SW	3.202E-08	3.893E-08	2.138E-08	1.249E-08	8.440E-09	5.206E-09	2.098E-09	1.009E-09	6.163E-10	4.135E-10
WSW	3.074E-08	4.448E-08	2.521E-08	1.431E-08	9.657E-09	5.769E-09	2.651E-09	1.274E-09	7.602E-10	5.144E-10
W	6.657E-08	5.248E-08	2.629E-08	1.517E-08	1.020E-08	5.185E-09	2.477E-09	1.345E-09	8.061E-10	5.464E-10
WNW	8.951E-08	8.567E-08	4.325E-08	2.516E-08	1.650E-08	7.889E-09	2.972E-09	1.378E-09	8.256E-10	5.565E-10
NW	8.507E-08	1.451E-07	7.918E-08	4.400E-08	2.839E-08	1.325E-08	4.792E-09	2.148E-09	1.272E-09	8.528E-10
NNW	4.058E-08	6.286E-08	6.203E-08	5.096E-08	3.522E-08	1.680E-08	5.790E-09	2.494E-09	1.452E-09	9.873E-10
N	3.927E-08	2.953E-08	2.110E-08	1.501E-08	1.120E-08	6.564E-09	4.056E-09	2.583E-09	1.596E-09	1.085E-09
NNE	3.287E-08	2.706E-08	1.933E-08	1.388E-08	1.141E-08	1.387E-08	6.456E-09	2.894E-09	1.705E-09	1.146E-09
NE	1.655E-08	1.734E-08	1.332E-08	9.764E-09	8.083E-09	8.610E-09	3.811E-09	1.676E-09	9.903E-10	6.674E-10
ENE	6.973E-09	8.148E-09	6.437E-09	4.648E-09	3.703E-09	3.725E-09	1.668E-09	7.347E-10	4.395E-10	2.942E-10
E	1.478E-08	1.476E-08	1.076E-08	7.513E-09	5.864E-09	5.544E-09	2.428E-09	1.052E-09	6.040E-10	4.056E-10
ESE	2.251E-08	2.316E-08	1.660E-08	1.145E-08	8.754E-09	7.071E-09	2.976E-09	1.296E-09	7.416E-10	4.856E-10
SE	3.053E-08	3.421E-08	2.541E-08	1.767E-08	1.288E-08	6.919E-09	3.318E-09	1.886E-09	1.265E-09	8.778E-10
SSE	4.687E-08	4.623E-08	3.289E-08	2.698E-08	3.215E-08	1.631E-08	5.307E-09	2.275E-09	1.303E-09	8.572E-10

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ERP ELEVATED STACK RELEASES - JAN-DEC 1995
 CORRECTED FOR OPEN TERRAIN RECIRCULATION

***** RELATIVE DEPOSITION PER UNIT AREA (M**2) AT FIXED POINTS BY DOWNWIND SECTORS *****											
DIRECTION FROM SITE	DISTANCES IN MILES										
	0.25	0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
S	4.367E-09	3.404E-09	2.674E-09	1.721E-09	7.892E-10	4.716E-10	3.143E-10	2.241E-10	1.672E-10	1.341E-10	1.195E-10
SSW	9.871E-10	8.559E-10	8.058E-10	6.015E-10	3.122E-10	1.965E-10	1.347E-10	9.740E-11	8.904E-11	6.740E-11	5.279E-11
SW	1.188E-09	9.754E-10	8.425E-10	5.895E-10	4.767E-10	2.578E-10	1.596E-10	1.083E-10	7.832E-11	5.927E-11	4.642E-11
WSW	1.044E-09	8.350E-10	6.887E-10	7.409E-10	3.622E-10	1.940E-10	1.194E-10	8.071E-11	5.821E-11	4.399E-11	3.444E-11
W	1.045E-09	1.975E-09	1.461E-09	8.636E-10	3.800E-10	2.038E-10	1.254E-10	8.480E-11	6.116E-11	4.622E-11	3.619E-11
WNW	2.356E-09	1.830E-09	2.259E-09	1.454E-09	7.789E-10	3.950E-10	2.361E-10	1.578E-10	1.167E-10	8.955E-11	7.227E-11
NW	2.518E-09	2.081E-09	1.816E-09	2.391E-09	1.430E-09	7.131E-10	4.225E-10	2.810E-10	2.036E-10	1.578E-10	1.291E-10
NNW	2.503E-09	1.987E-09	1.618E-09	1.076E-09	8.195E-10	4.397E-10	2.727E-10	2.224E-10	1.666E-10	1.342E-10	1.145E-10
N	4.021E-09	3.138E-09	2.470E-09	1.593E-09	7.319E-10	4.377E-10	2.919E-10	2.681E-10	1.553E-10	1.198E-10	9.483E-11
NNE	2.640E-09	2.090E-09	1.690E-09	1.118E-09	5.260E-10	3.180E-10	2.133E-10	1.525E-10	1.140E-10	8.800E-11	6.966E-11
NE	1.117E-09	9.894E-10	7.746E-10	5.359E-10	2.622E-10	1.612E-10	1.091E-10	7.839E-11	5.872E-11	4.538E-11	3.592E-11
ENE	4.904E-10	4.089E-10	3.623E-10	2.587E-10	1.298E-10	8.066E-11	5.489E-11	3.956E-11	2.968E-11	2.295E-11	1.817E-11
E	9.849E-10	8.431E-10	7.787E-10	5.734E-10	2.947E-10	1.848E-10	1.264E-10	9.131E-11	6.859E-11	5.306E-11	4.201E-11
ESE	1.350E-09	1.224E-09	1.226E-09	9.538E-10	5.096E-10	3.243E-10	2.234E-10	1.621E-10	1.220E-10	9.444E-11	7.478E-11
SE	2.209E-09	2.037E-09	2.086E-09	1.644E-09	8.865E-10	5.669E-10	3.906E-10	2.836E-10	2.135E-10	1.653E-10	1.309E-10
SSE	4.079E-09	3.483E-09	3.206E-09	2.354E-09	1.208E-09	7.567E-10	5.172E-10	3.736E-10	2.806E-10	2.617E-10	2.389E-10

DIRECTION FROM SITE	DISTANCES IN MILES										
	5.00	7.50	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
S	9.617E-11	5.954E-11	3.949E-11	2.249E-11	1.440E-11	1.082E-11	7.735E-12	5.792E-12	4.472E-12	3.564E-12	2.909E-12
SSW	4.306E-11	2.998E-11	2.044E-11	1.186E-11	7.718E-12	5.297E-12	3.797E-12	2.852E-12	2.263E-12	1.808E-12	1.476E-12
SW	3.778E-11	2.333E-11	1.541E-11	8.711E-12	5.537E-12	4.163E-12	2.972E-12	2.273E-12	1.767E-12	1.412E-12	1.152E-12
WSW	2.792E-11	1.876E-11	1.274E-11	8.165E-12	4.941E-12	3.313E-12	2.406E-12	1.807E-12	1.405E-12	1.122E-12	9.159E-13
W	2.912E-11	1.315E-11	1.236E-11	8.139E-12	5.437E-12	3.662E-12	2.624E-12	1.970E-12	1.532E-12	1.224E-12	9.989E-13
WNW	6.159E-11	3.464E-11	2.388E-11	1.407E-11	9.019E-12	6.156E-12	4.400E-12	3.307E-12	2.606E-12	2.082E-12	1.699E-12
NW	1.108E-10	6.546E-11	4.629E-11	2.886E-11	1.763E-11	1.182E-11	8.431E-12	6.331E-12	4.948E-12	3.953E-12	3.226E-12
NNW	1.022E-10	6.817E-11	5.091E-11	3.178E-11	2.053E-11	1.371E-11	8.922E-12	6.551E-12	5.037E-12	4.024E-12	3.285E-12
N	7.665E-11	3.665E-11	2.257E-11	1.218E-11	2.984E-11	1.758E-11	1.258E-11	9.449E-12	7.348E-12	5.870E-12	4.792E-12
NNE	5.629E-11	9.622E-11	5.968E-11	3.105E-11	1.899E-11	1.272E-11	9.099E-12	6.816E-12	5.280E-12	4.219E-12	3.440E-12
NE	2.901E-11	5.074E-11	3.197E-11	1.693E-11	1.040E-11	6.953E-12	4.935E-12	3.683E-12	2.893E-12	2.311E-12	1.886E-12
ENE	1.467E-11	1.744E-11	1.293E-11	7.917E-12	5.092E-12	3.397E-12	2.401E-12	1.546E-12	1.203E-12	9.622E-13	7.866E-13
E	3.390E-11	3.346E-11	2.376E-11	1.425E-11	9.113E-12	6.097E-12	4.329E-12	3.211E-12	2.471E-12	1.956E-12	1.594E-12
ESE	6.031E-11	5.616E-11	3.928E-11	2.326E-11	1.481E-11	9.900E-12	7.030E-12	5.217E-12	4.017E-12	3.190E-12	2.592E-12
SE	1.056E-10	5.018E-11	3.071E-11	1.631E-11	1.007E-11	6.990E-12	5.259E-12	9.271E-12	7.147E-12	5.683E-12	4.625E-12
SSE	1.986E-10	1.425E-10	8.729E-11	4.474E-11	2.720E-11	1.822E-11	1.304E-11	9.775E-12	7.590E-12	6.057E-12	4.940E-12

***** RELATIVE DEPOSITION PER UNIT AREA (M**2) BY DOWNWIND SECTORS *****											
DIRECTION FROM SITE	SEGMENT BOUNDARIES IN MILES										
	.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50	
S	2.413E-09	8.550E-10	3.202E-10	1.708E-10	1.152E-10	5.877E-11	2.267E-11	1.054E-11	5.844E-12	3.591E-12	
SSW	7.261E-10	3.251E-10	1.363E-10	8.318E-11	5.351E-11	2.865E-11	1.193E-11	5.343E-12	2.898E-12	1.820E-12	
SW	7.596E-10	4.045E-10	1.653E-10	7.964E-11	4.703E-11	2.302E-11	8.789E-12	4.053E-12	2.280E-12	1.421E-12	
WSW	7.444E-10	3.716E-10	1.238E-10	5.922E-11	3.486E-11	1.812E-11	7.749E-12	3.385E-12	1.825E-12	1.129E-12	
W	1.310E-09	4.091E-10	1.301E-10	6.223E-11	3.654E-11	1.635E-11	7.877E-12	3.720E-12	1.990E-12	1.232E-12	
WNW	1.806E-09	7.583E-10	2.471E-10	1.181E-10	7.344E-11	3.585E-11	1.400E-11	6.217E-12	3.352E-12	2.095E-12	
NW	2.130E-09	1.325E-09	4.434E-10	2.083E-10	1.308E-10	6.701E-11	2.774E-11	1.201E-11	6.404E-12	3.979E-12	
NNW	1.459E-09	7.077E-10	2.971E-10	1.702E-10	1.158E-10	6.807E-11	3.103E-11	1.361E-11	6.651E-12	4.050E-12	
N	2.229E-09	7.924E-10	2.973E-10	1.569E-10	9.550E-11	3.928E-11	2.234E-11	1.885E-11	9.544E-12	5.908E-12	
NNE	1.525E-09	5.651E-10	2.169E-10	1.151E-10	7.014E-11	7.111E-11	3.205E-11	1.294E-11	6.886E-12	4.267E-12	
NE	6.985E-10	2.781E-10	1.107E-10	5.926E-11	3.616E-11	3.757E-11	1.737E-11	7.065E-12	3.740E-12	2.326E-12	
ENE	3.266E-10	1.366E-10	5.563E-11	2.994E-11	1.829E-11	1.478E-11	7.754E-12	3.451E-12	1.660E-12	9.685E-13	
E	7.018E-10	3.078E-10	1.279E-10	6.917E-11	4.228E-11	2.925E-11	1.408E-11	6.194E-12	3.248E-12	1.975E-12	
ESE	1.105E-09	5.260E-10	2.258E-10	1.229E-10	7.524E-11	4.956E-11	2.306E-11	1.006E-11	5.278E-12	3.214E-12	
SE	1.879E-09	9.124E-10	3.946E-10	2.152E-10	1.317E-10	5.383E-11	1.673E-11	7.118E-12	7.316E-12	5.725E-12	
SSE	2.889E-09	1.262E-09	5.236E-10	3.000E-10	2.307E-10	1.304E-10	4.640E-11	1.854E-11	9.875E-12	6.098E-12	

ERP ELEVATED STACK RELEASES - JAN-DEC 1995
 CORRECTED FOR OPEN TERRAIN RECIRCULATION
 SPECIFIC POINTS OF INTEREST

RELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE		X/Q			D/Q (PER SQ.METER)
			(MILES)	(METERS)	(SEC/CUB.METER)	(SEC/CUB.METER)	(SEC/CUB.METER)	
			NO DECAY			8.000 DAY DECAY		
					UNDEPLETED	UNDEPLETED	DEPLETED	
A	SITE BOUNDARY	S	0.80	1287.	4.856E-08	4.851E-08	4.755E-08	2.448E-09
A	SITE BOUNDARY	SSW	0.82	1327.	1.936E-08	1.933E-08	1.901E-08	7.457E-10
A	SITE BOUNDARY	SW	0.98	1569.	3.987E-08	3.980E-08	3.941E-08	6.153E-10
A	SITE BOUNDARY	WSW	0.93	1489.	3.791E-08	3.784E-08	3.740E-08	6.408E-10
A	SITE BOUNDARY	W	0.91	1468.	7.510E-08	7.496E-08	7.369E-08	1.020E-09
A	SITE BOUNDARY	WNW	0.94	1509.	1.034E-07	1.032E-07	1.017E-07	1.654E-09
A	SITE BOUNDARY	NW	0.81	1307.	8.202E-08	8.192E-08	8.118E-08	1.672E-09
A	SITE BOUNDARY	NNW	0.69	1106.	3.532E-08	3.529E-08	3.473E-08	1.685E-09
A	SITE BOUNDARY	N	0.67	1086.	4.273E-08	4.271E-08	4.197E-08	2.624E-09
A	SITE BOUNDARY	NNE	0.60	965.	3.278E-08	3.275E-08	3.229E-08	1.894E-09
A	SITE BOUNDARY	NE	0.62	1005.	1.449E-08	1.447E-08	1.427E-08	8.263E-10
A	SITE BOUNDARY	ENE	0.59	945.	5.366E-09	5.363E-09	5.294E-09	3.860E-10
A	SITE BOUNDARY	E	0.53	845.	1.119E-08	1.118E-08	1.107E-08	8.312E-10
A	SITE BOUNDARY	ESE	0.54	865.	1.553E-08	1.552E-08	1.536E-08	1.213E-09
A	SITE BOUNDARY	SE	0.65	1046.	2.540E-08	2.538E-08	2.505E-08	2.035E-09
A	SITE BOUNDARY	SSE	0.81	1307.	5.082E-08	5.078E-08	5.001E-08	2.989E-09
A	NEAR. RESIDENCE	SW	1.30	2092.	4.861E-08	4.848E-08	4.794E-08	6.397E-10
A	NEAR. RESIDENCE	WSW	1.30	2092.	5.480E-08	5.463E-08	5.401E-08	4.886E-10
A	NEAR. RESIDENCE	W	1.00	1609.	7.360E-08	7.345E-08	7.211E-08	8.636E-10
A	NEAR. RESIDENCE	WNW	1.60	2575.	9.547E-08	9.509E-08	9.319E-08	6.684E-10
A	NEAR. RESIDENCE	Nw	0.90	1448.	1.030E-07	1.029E-07	1.021E-07	2.681E-09
A	NEAR. RESIDENCE	NNW	1.90	3058.	6.782E-08	6.758E-08	6.668E-08	4.921E-10
A	NEAR. RESIDENCE	N	3.00	4828.	1.843E-08	1.835E-08	1.782E-08	2.081E-10
A	NEAR. RESIDENCE	NNE	2.70	4345.	1.876E-08	1.868E-08	1.817E-08	1.854E-10
A	NEAR. RESIDENCE	ENE	1.70	2736.	8.554E-09	8.518E-09	8.389E-09	1.042E-10
A	NEAR. RESIDENCE	E	1.80	2897.	1.459E-08	1.455E-08	1.428E-08	2.156E-10
A	NEAR. RESIDENCE	ESE	2.40	3863.	1.802E-08	1.795E-08	1.749E-08	2.395E-10
A	NEAREST COW	NNW	3.50	5633.	5.517E-08	5.479E-08	5.409E-08	1.666E-10
A	NEAREST GARDEN	SW	1.30	2092.	4.861E-08	4.848E-08	4.794E-08	6.397E-10
A	NEAREST GARDEN	WSW	1.80	2897.	4.387E-08	4.366E-08	4.296E-08	2.434E-10
A	NEAREST GARDEN	WNW	2.60	2575.	9.547E-08	9.509E-08	9.319E-08	6.684E-10
A	NEAREST GARDEN	NW	2.80	4506.	6.568E-08	6.531E-08	6.357E-08	3.270E-10
A	NEAREST GARDEN	NNW	1.90	3058.	6.782E-08	6.758E-08	6.668E-08	4.921E-10
A	NEAREST GARDEN	N	3.00	4828.	1.843E-08	1.835E-08	1.782E-08	2.031E-10
A	NEAREST GARDEN	ENE	1.70	2736.	8.554E-09	8.518E-09	8.389E-09	1.042E-10
A	NEAREST GARDEN	E	1.80	2897.	1.459E-08	1.455E-08	1.428E-08	2.156E-10
A	NEAREST GARDEN	ESE	2.40	3863.	1.802E-08	1.795E-08	1.749E-08	2.395E-10

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ATMOSPHERIC DIFFUSION MODEL

Onsite meteorological data from January 1 through December 31, 1995, were used to determine long-term (routine) diffusion estimates for evaluating normal atmospheric releases from Cooper Nuclear Station. Atmospheric dispersion parameters (X/Q values) were determined for the site boundary distances from each release point, the standard population distances, and special locations for nearest residence, cow, and garden using the methodology presented in U.S. NRC Regulatory Guide 1.111 (Rev.1) and the computer code XOQDOQ (NUREG/CR2919). Two release modes were analyzed. Releases from the 99-meter free-standing stack were considered 100 percent elevated, while releases from the reactor building, turbine-generator building, radwaste building and augmented radwaste building vents were considered as a 100 percent ground level release (one combined source term was assumed to apply for these vents).

Winds were obtained from measurements at the 10-meter level (for ground-level releases) and the 100-meter level (for elevated releases), and the stability class was based on the vertical temperature gradient between 60 meters and 10 meters (for ground releases) and 100 meters and 10 meters (for elevated releases). In accordance with Regulatory Guide 1.111, calm periods were distributed directionally in proportion to the directional distribution within a stability class of the lowest wind speed group. For the calculations, calm periods were assigned a speed of one-half the threshold wind speed of the wind vane or anemometer, whichever is higher.

The Gaussian straight-line trajectory model, which assumes that the air flow transports and diffuses effluents along a straight line through the entire region of interest in the airflow direction at the release point, was modified to account for various modes of effluent releases. In the case of an elevated release, plume rise due to momentum effects was incorporated into the calculation. For ground-level releases, building wake effects were considered.

The mathematical equation used in the Gaussian straight-line trajectory model is:

$$(X/Q)_i = 2.032 \sum_{jk} \frac{f_{ijk}}{x_{u_{jk}} \Sigma_{zk}} \exp \left[\frac{-y_{jk}^2}{\Sigma_{zk}^2} \right] \quad (\text{Eq. 1})$$

and

$$\Sigma_{zk} = (\sigma_{zk}^2 + 0.5 D_z^2/\pi)^{1/2} \leq \sqrt{3} \sigma_{zk} \quad (\text{Eq. 2})$$

where

- i = index identifying direction sector;
- j = index identifying wind speed class;
- k = index identifying atmospheric stability class;
- $\frac{X}{Q}$ = average effluent concentration normalized by source strength at the specific downwind distance;
- f = joint frequency distribution of wind direction, wind speed class, and atmospheric stability class;
- x = distance from the release point to a receptor;
- u = wind speed;
- E_{zk} = vertical plume spread with volumetric building wake correction for a release within the building wake cavity;
- σ_{zk} = vertical plume spread without volumetric building wake correction;
- D_z = maximum adjacent building height either upwind or downwind of the release point (44.5 meters for ground-level releases);
and
- h_e = effective plume height;

The term E_{zk} given in Equations 1 and 2 is used for ground-level release ($h = 0$) within the building wake cavity. For an elevated release, no volumetric building wake correction needs to be considered, i.e., $E_{zk} = \sigma_{zk}$. For all building wake determinations, the reactor building was considered to be the dominating structure in the modification of air flows within the building complex.

Since the model does not directly consider the effects of spatial and temporal variation in airflow due to terrain, appropriate adjustments were made to the calculated X/Q values, using the default values of Regulatory Guide 1.111, Rev. 0.

APPENDIX C

DOSE CALCULATIONS

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LIQUID EFFLUENT DOSE CALCULATIONS

Doses to the maximum individual and 0 to 50 - mile population resulting from the release of radioactive material in liquid effluents from Cooper Nuclear Station were calculated using the LADTAP II computer program. The LADTAP II program implements the radiological dose models of Regulatory Guide 1.109 for determining the radiation exposure to man from three principal exposure pathways in the aquatic environment -- potable water, aquatic foods, and recreational water use. Doses to both the maximum individual and 0 to 50 mile population are calculated as a function of age group and pathway for significant body organs, and are presented in Tables 1 - 6.

Assumptions and data sources used for input to the LADTAP II code are described in a separate section of this appendix (see page C37).

Table 1. Doses to Individual at the Site Boundary, Resulting From Exposure to Radioactivity Discharged in Liquid Effluents, January-June 1995, Cooper Nuclear Station

Dose to Individual, mrem								
Period and Pathway	Skin	Bone	Liver	Total Body	Thyroid	Kidney	Lung	GI-LLI
<u>1st Quarter</u>								
Drinking Water		3.55 E-04	4.31 E-04	5.62 E-04	5.89 E-10	7.54 E-05	1.77 E-05	4.03 E-03
Shoreline	2.61 E-05	2.22 E-05	2.22 E-05	2.22 E-05	2.22 E-05	2.22 E-05	2.22 E-05	2.22 E-05
Totals	2.61 E-05	3.77 E-04	4.53 E-04	5.84 E-04	2.22 E-05	9.76 E-05	3.99 E-05	4.05 E-03
<u>2nd Quarter</u>								
Eating Fish		2.65 E-04	3.70 E-04	2.47 E-04	2.92 E-09	1.24 E-04	4.08 E-05	7.89 E-05
Drinking Water		7.18 E-04	5.00 E-04	5.03 E-04	5.74 E-08	1.28 E-04	4.34 E-05	2.37 E-03
Shoreline	1.03 E-05	8.78 E-06	8.78 E-06	8.78 E-06	8.78 E-06	8.78 E-06	8.78 E-06	8.78 E-06
Totals	1.03 E-05	9.92 E-04	8.79 E-04	7.59 E-04	8.84 E-06	2.61 E-04	9.30 E-05	2.46 E-03
Totals for 1st & 2nd Quarters	3.64 E-05	1.37 E-03	1.33 E-03	1.34 E-03	3.10 E-05	3.59 E-04	1.33 E-04	6.51 E-03

Calculated doses are based on the following periods of exposures:
 Fishing : from April through November
 Drinking water and shoreline : from January through December

TABLE 2. Doses to Maximum Individual at the Site Boundary, Resulting From Exposure to Radioactivity Discharged in Liquid Effluents, July-December 1995, Cooper Nuclear Station

Period and Pathway	Dose to Individual, mrem							
	Skin	Bone	Liver	Total Body	Thyroid	Kidney	Lung	GI-LLI
<u>3rd Quarter</u>								
Eating Fish		2.05 E-04	2.61E-04	1.73E-04	5.40E-08	8.78E-05	2.89E-05	5.06E-05
Drinking Water		1.00 E-03	2.53 E-04	2.69 E-04	7.96 E-07	6.79 E-05	2.21 E-05	1.19 E-03
Shoreline	6.54 E-06	5.56 E-06	5.56 E-06	5.56 E-06	5.56 E-06	5.56 E-06	5.56 E-06	5.56 E-06
Totals	6.54 E-06	1.21 E-03	5.20 E-04	4.48 E-04	6.41 E-06	1.61 E-04	5.66 E-05	1.25 E-03
<u>4th Quarter</u>								
Eating Fish		6.70 E-04	1.06 E-03	6.90 E-04	3.28 E-09	3.47 E-04	1.07 E-04	7.23 E-04
Drinking Water		2.95 E-03	8.98 E-03	9.92 E-03	2.53 E-07	1.80 E-03	5.21 E-04	6.82 E-02
Shoreline	1.10 E-04	9.37 E-05	9.37 E-05	9.37 E-05	9.37 E-05	9.37 E-05	9.37 E-05	9.37 E-05
Totals	1.10 E-04	3.71 E-03	1.01 E-02	1.07 E-02	9.40 E-05	2.24 E-03	7.22 E-04	6.90 E-02
Totals for 3rd & 4th Quarters	1.17 E-04	4.92 E-03	1.06 E-02	1.11 E-02	1.00 E-04	2.40 E-03	7.79 E-04	7.03 E-02

Calculated doses are based on the following periods of exposures:

Fishing : from April through November
 Drinking water and shoreline : from January through December

TABLE 3. Summary of Doses to Maximum Individual at the Site Boundary, Resulting from Exposure to Radioactivity Discharged in Liquid Effluents, January-December 1995, Cooper Nuclear Station

Period and Pathway	Dose to Individual, mrem							
	Skin	Bone	Liver	Total Body	Thyroid	Kidney	Lung	GI-LLI
1st Quarter	2.61 E-05	3.77 E-04	4.53E-04	5.84E-04	2.22E-05	9.76E-05	3.99E-05	4.05E-03
2nd Quarter	1.03 E-05	9.92 E-04	8.79 E-04	7.59 E-04	8.84 E-06	2.61 E-04	9.30 E-05	2.46 E-03
3rd Quarter	6.54 E-06	1.21 E-03	5.20 E-04	4.48 E-04	6.41 E-06	1.61 E-04	5.66 E-05	1.25 E-03
4th Quarter	1.10 E-04	3.71 E-03	1.01 E -02	1.07 E-02	9.40 E-05	2.24 E-03	7.22 E-04	6.90 E-02
Totals for 1995	1.53 E-04	6.29 E-03	1.20 E-02	1.25 E-02	1.31 E-04	2.76 E-03	9.12 E-04	7.68 E-02

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Table 4. Doses to Population Withing a 50-Mile Radius, Resulting From Exposure to Radioactivity Discharged in Liquid Effluents, Jan-June 1995, Cooper Nuclear Station

Period and Pathway	Dose to Population, manrem							
	Skin	Bone	Liver	Total Body	Thyroid	Kidney	Lung	GI-LLI
1st Quarter								
Drinking Water		4.77 E-04	4.91 E-04	6.54 E-04	7.48 E-10	8.60 E-05	2.15 E-05	3.51 E-03
Shoreline	1.38 E-03	1.17 E-03	1.17 E-03	1.17 E-03	1.17 E-03	1.17 E-03	1.17 E-03	1.17 E-03
Totals	1.38 E-03	1.65 E-03	1.66 E-03	1.82 E-03	1.17 E-03	1.26 E-03	1.19 E-03	4.68 E-03
2nd Quarter								
Eating Fish		1.86 E-05	2.42 E-05	1.33 E-05	4.08 E-18	8.05 E-06	2.74 E-06	4.28 E-06
Drinking Water		6.63 E-04	4.00 E-04	3.65 E-04	1.75 E-08	1.02 E-04	3.61 E-05	1.42 E-03
Shoreline	5.47 E-04	4.65 E-04	4.65 E-04	4.65 E-04	4.65 E-04	4.65 E-04	4.65 E-04	4.65 E-04
Swimming		9.63 E-07	9.63 E-07	9.63 E-07	9.63 E-07	9.63 E-07	9.63 E-07	9.63 E-07
Boating		1.07 E-05	1.07 E-05	1.07 E-05	1.07 E-05	1.07 E-05	1.07 E-05	1.07 E-05
Totals	5.47 E-04	1.16 E-03	9.01 E-04	8.55 E-04	4.77 E-04	5.87 E-04	5.16 E-04	1.90 E-03
Totals for 1st & 2nd Quarters	1.93 E-03	2.81 E-03	2.56 E-03	2.68 E-03	1.65 E-03	1.85 E-03	1.71 E-03	6.58 E-03

Calculated doses are based on the following periods of exposures:

Fishing and Boating : from April through November
 Drinking Water and Shoreline : from January through December
 Swimming : from June through September

Exposure from drinking water is calculated for the city of St. Joseph, Missouri, nearest public water intake from the Missouri River, 84 miles downstream.

TABLE 5. Doses to Population Withing a 50-Mile Radius, Resulting From Exposure to Radioactivity Discharged in Liquid Effluents, July-December 1995, Cooper Nuclear Station

Period and Pathway	Dose to Population, manrem							
	Skin	Bone	Liver	Total Body	Thyroid	Kidney	Lung	GI-LLI
<u>3rd Quarter</u>								
Eating Fish		1.42 E-05	1.71 E-05	9.32 E-06	7.56 E-17	5.72 E-06	1.94 E-06	2.73 E-06
Drinking Water		1.23 E-03	2.70 E-04	2.62 E-04	3.24 E-07	7.18 E-05	2.40 E-05	9.55 E-04
Shoreline	3.46 E-04	2.95 E-04	2.95 E-04	2.95 E-04	2.95 E-04	2.95 E-04	2.95 E-04	2.95 E-04
Swimming		1.86 E-06	1.86 E-06	1.86 E-06	1.86 E-06	1.86 E-06	1.86 E-06	1.86 E-06
Boating		6.80 E-06	6.80 E-06	6.80 E-06	6.80 E-06	6.80 E-06	6.80 E-06	6.80 E-06
Totals	3.46 E-04	1.55 E-03	5.91 E-04	5.75 E-04	3.04 E-04	3.81 E-04	3.30 E-04	1.26 E-03
<u>4th Quarter</u>								
Eating Fish		4.73 E-05	6.90 E-05	3.77 E-05	4.59 E-18	2.24 E-05	7.16 E-06	3.87 E-05
Drinking Water		1.04 E-03	2.72 E-03	2.99 E-03	2.97 E-08	5.42 E-04	1.67 E-04	1.57 E-02
Shoreline	5.84 E-03	4.97 E-03	4.97 E-03	4.97 E-03	4.97 E-03	4.97 E-03	4.97 E-03	4.97 E-03
Boating		8.09 E-05	8.09 E-05	8.09 E-05	8.09 E-05	8.09 E-05	8.09 E-05	8.09 E-05
Totals	5.84 E-03	6.14 E-03	7.84 E-03	8.08 E-03	5.05 E-03	5.62 E-03	5.23 E-03	2.08 E-02
Totals for 3rd & 4th Quarters	6.19 E-03	7.69 E-03	8.43 E-03	8.66 E-03	5.35 E-03	6.00 E-03	5.56 E-03	2.21 E-02

Calculated doses are based on the following periods of exposures:

Fishing and Boating : from April through November
 Drinking Water and Shoreline : from January through December
 Swimming : from June through September

Exposure from drinking water is calculated for the city of St. Joseph, Missouri, nearest public water intake from the Missouri River, 84 miles downstream.

TABLE 6. Summary of Doses to Population Within a 50-Mile Radius, Resulting from Exposure to Radioactivity Discharged in Liquid Effluents, January-December 1995, Cooper Nuclear Station

Period and Pathway	Dose to Population, manrem							
	Skin	Bone	Liver	Total Body	Thyroid	Kidney	Lung	GI-LLI
1st Quarter	1.38 E-03	1.65 E-03	1.66E-03	1.82E-03	1.17E-03	1.26E-03	1.19E-03	4.68E-03
2nd Quarter	5.47 E-04	1.16 E-03	9.01 E-04	8.55 E-04	4.77 E-04	5.87 E-04	5.16 E-04	1.90 E-03
3rd Quarter	3.46 E-04	1.55 E-03	5.91 E-04	5.75 E-04	3.04 E-04	3.81 E-04	3.30 E-04	1.26 E-03
4th Quarter	5.84 E-03	6.14 E-03	7.84 E-03	8.08 E-03	5.05 E-03	5.62 E-03	5.23 E-03	2.08 E-02
Totals for 1995	8.11 E-03	1.05 E-02	1.10 E-02	1.13 E-02	7.00 E-03	7.85 E-03	7.27 E-03	2.86 E-02

GASEOUS EFFLUENT DOSE CALCULATIONS

Doses to the maximum individual and 0 to 50 mile population resulting from the release of radioactive material in gaseous effluents from the Cooper Nuclear Station were calculated using the GASPARG computer code. Four sites were selected for individual dose calculations: the site boundary, the nearest residence, the nearest garden and the nearest cow. GASPARG implements the radiological dose models of Regulatory Guide 1.109 for determining the radiation exposure to man from four principal atmospheric exposure pathways: plume, ground, inhalation, and ingestion. Doses to the maximum individual and the population are calculated as a function of age group and pathway for significant body organs.

Tables 1 through 7 present maximum individual doses. Population doses are given in Tables 8 through 14. In addition, 0 to 50 mile distributions of gamma and beta air doses are presented in Tables 15 through 21.

Because of differences in the amount of valid meteorological data recovered, dose contributions from the quarterly periods of 1995 cannot be summed to provide semiannual doses.

Assumptions and data used for input to the GASPARG code are described in a separate section of this appendix (see page C37).

TABLE 1. DOSES TO MAXIMUM INDIVIDUAL (MREM), JANUARY-MARCH 1995

COOPER NUCLEAR STATION JANUARY-MARCH 1995
 SPECIAL LOCATION # 1 SITE BOUNDARY
 AT 0.67 MILES N

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	5.21E-05	5.21E-05	5.22E-05	5.22E-05	5.22E-05	7.42E-05	5.29E-05	1.32E-04
TEEN	5.22E-05	5.21E-05	5.22E-05	5.22E-05	5.23E-05	8.28E-05	5.29E-05	1.32E-04
CHILD	5.22E-05	5.21E-05	5.23E-05	5.23E-05	5.24E-05	1.11E-04	5.29E-05	1.32E-04
INFANT	5.23E-05	5.21E-05	5.24E-05	5.25E-05	5.25E-05	1.76E-04	5.29E-05	1.32E-04

COOPER NUCLEAR STATION JANUARY-MARCH 1995
 SPECIAL LOCATION # 2 NEAR RESIDENCE
 AT 0.90 MILES NW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	1.68E-04	1.68E-04	1.68E-04	1.68E-04	1.68E-04	2.00E-04	1.70E-04	4.01E-04
TEEN	1.68E-04	1.68E-04	1.68E-04	1.68E-04	1.68E-04	2.12E-04	1.70E-04	4.01E-04
CHILD	1.68E-04	1.68E-04	1.68E-04	1.68E-04	1.68E-04	2.53E-04	1.70E-04	4.01E-04
INFANT	1.68E-04	1.68E-04	1.68E-04	1.69E-04	1.69E-04	3.47E-04	1.70E-04	4.01E-04

TABLE 1. DOSES TO MAXIMUM INDIVIDUAL (MREM), JANUARY-MARCH 1995

(CONTINUED)

COOPER NUCLEAR STATION JANUARY-MARCH 1995
 SPECIAL LOCATION # 3 NEAREST COW
 AT 3.50 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	2.16E-05	2.16E-05	2.16E-05	2.16E-05	2.16E-05	2.30E-05	2.18E-05	4.43E-05
TEEN	2.16E-05	2.16E-05	2.16E-05	2.16E-05	2.16E-05	2.35E-05	2.18E-05	4.43E-05
CHILD	2.16E-05	2.16E-05	2.16E-05	2.16E-05	2.16E-05	2.51E-05	2.18E-05	4.43E-05
INFANT	2.16E-05	2.16E-05	2.16E-05	2.16E-05	2.16E-05	2.88E-05	2.18E-05	4.43E-05

COOPER NUCLEAR STATION JANUARY-MARCH 1995
 SPECIAL LOCATION # 4 NEAREST GARDEN
 AT 1.90 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	4.00E-05	4.00E-05	4.00E-05	4.00E-05	4.00E-05	4.38E-05	4.04E-05	8.27E-05
TEEN	4.00E-05	4.00E-05	4.00E-05	4.00E-05	4.00E-05	4.52E-05	4.04E-05	8.27E-05
CHILD	4.00E-05	4.00E-05	4.00E-05	4.00E-05	4.00E-05	4.98E-05	4.04E-05	8.27E-05
INFANT	4.00E-05	4.00E-05	4.01E-05	4.01E-05	4.01E-05	6.05E-05	4.04E-05	8.27E-05

TABLE 2. DOSES TO MAXIMUM INDIVIDUAL (MREM), APRIL-JUNE 1995

COOPER NUCLEAR STATION APRIL-JUNE 1995
 SPECIAL LOCATION # 1 SITE BOUNDARY
 AT 0.67 MILES N

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	7.81E-08	4.01E-08	9.35E-08	1.30E-07	2.18E-07	4.02E-05	7.94E-09	9.64E-09
TEEN	1.11E-07	4.55E-08	1.45E-07	1.99E-07	3.36E-07	5.58E-05	7.94E-09	9.64E-09
CHILD	1.90E-07	3.63E-08	3.26E-07	3.28E-07	5.33E-07	1.06E-04	7.94E-09	9.64E-09
INFANT	3.07E-07	3.22E-08	5.86E-07	6.89E-07	8.04E-07	2.24E-04	7.94E-09	9.64E-09

COOPER NUCLEAR STATION APRIL-JUNE 1995
 SPECIAL LOCATION # 2 NEAR RESIDENCE
 AT 0.90 MILES NW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	1.07E-07	5.53E-08	1.29E-07	1.79E-07	2.99E-07	5.51E-05	1.10E-08	1.33E-08
TEEN	1.52E-07	6.27E-08	1.98E-07	2.74E-07	4.63E-07	7.67E-05	1.10E-08	1.33E-08
CHILD	2.61E-07	5.01E-08	4.49E-07	4.52E-07	7.34E-07	1.46E-04	1.10E-08	1.33E-08
INFANT	4.24E-07	4.45E-08	8.09E-07	9.51E-07	1.11E-06	3.09E-04	1.10E-08	1.33E-08

TABLE 2. DOSES TO MAXIMUM INDIVIDUAL (HREM), APRIL-JUNE 1995

(CONTINUED)

COOPER NUCLEAR STATION APRIL-JUNE 1995
SPECIAL LOCATION # 3 NEAREST COW
AT 3.50 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	5.62E-09	2.87E-09	6.73E-09	9.39E-09	1.57E-08	2.89E-06	5.63E-10	6.83E-10
TEEN	7.94E-09	3.25E-09	1.04E-08	1.43E-08	2.42E-08	4.01E-06	5.63E-10	6.83E-10
CHILD	1.36E-08	2.58E-09	2.33E-08	2.34E-08	3.81E-08	7.56E-06	5.63E-10	6.83E-10
INFANT	2.18E-08	2.29E-09	4.17E-08	4.90E-08	5.72E-08	1.59E-05	5.63E-10	6.83E-10

COOPER NUCLEAR STATION APRIL-JUNE 1995
SPECIAL LOCATION # 4 NEAREST GARDEN
AT 1.90 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	1.91E-08	9.79E-09	2.30E-08	3.19E-08	5.34E-08	9.84E-06	1.93E-09	2.35E-09
TEEN	2.70E-08	1.11E-08	3.54E-08	4.88E-08	8.24E-08	1.36E-05	1.93E-09	2.35E-09
CHILD	4.63E-08	8.85E-09	7.96E-08	8.00E-08	1.30E-07	2.58E-05	1.93E-09	2.35E-09
INFANT	7.49E-08	7.85E-09	1.43E-07	1.68E-07	1.96E-07	5.46E-05	1.93E-09	2.35E-09

TABLE 3. DOSES TO MAXIMUM INDIVIDUAL (MREM), JANUARY-JUNE 1995

COOPER NUCLEAR STATION JANUARY-JUNE 1995
 SPECIAL LOCATION # 1 SITE BOUNDARY
 AT 0.67 MILES N

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	4.58E-05	4.58E-05	4.59E-05	4.60E-05	4.61E-05	1.22E-04	4.64E-05	1.16E-04
TEEN	4.59E-05	4.58E-05	4.60E-05	4.61E-05	4.63E-05	1.52E-04	4.64E-05	1.16E-04
CHILD	4.63E-05	4.58E-05	4.63E-05	4.63E-05	4.67E-05	2.49E-04	4.64E-05	1.16E-04
INFANT	4.63E-05	4.58E-05	4.68E-05	4.70E-05	4.72E-05	4.76E-04	4.64E-05	1.16E-04

COOPER NUCLEAR STATION JANUARY-JUNE 1995
 SPECIAL LOCATION # 2 NEAR RESIDENCE
 AT 0.90 MILES NW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.23E-04	2.29E-04	1.24E-04	2.94E-04
TEEN	1.22E-04	1.22E-04	1.22E-04	1.23E-04	1.23E-04	2.70E-04	1.24E-04	2.94E-04
CHILD	1.23E-04	1.22E-04	1.23E-04	1.23E-04	1.23E-04	4.04E-04	1.24E-04	2.94E-04
INFANT	1.23E-04	1.22E-04	1.24E-04	1.24E-04	1.24E-04	7.19E-04	1.24E-04	2.94E-04

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TABLE 3. DOSES TO MAXIMUM INDIVIDUAL (MREM), JANUARY-JUNE 1995

(CONTINUED)

COOPER NUCLEAR STATION JANUARY-JUNE 1995
SPECIAL LOCATION # 3 NEAREST COM
AT 3.50 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.87E-05	1.40E-05	2.84E-05
TEEN	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05	2.06E-05	1.40E-05	2.84E-05
CHILD	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.39E-05	2.63E-05	1.40E-05	2.84E-05
INFANT	1.38E-05	1.38E-05	1.39E-05	1.39E-05	1.39E-05	3.98E-05	1.40E-05	2.84E-05

COOPER NUCLEAR STATION JANUARY-JUNE 1995
SPECIAL LOCATION # 4 NEAREST GARDP:
AT 1.90 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.90E-05	4.36E-05	2.93E-05	6.03E-05
TEEN	2.89E-05	2.89E-05	2.90E-05	2.90E-05	2.90E-05	4.93E-05	2.93E-05	6.03E-05
CHILD	2.90E-05	2.89E-05	2.90E-05	2.90E-05	2.91E-05	6.72E-05	2.93E-05	6.03E-05
INFANT	2.90E-05	2.89E-05	2.91E-05	2.91E-05	2.92E-05	1.09E-04	2.93E-05	6.03E-05

TABLE 4. DOSES TO MAXIMUM INDIVIDUAL (MREM), JULY-SEPTEMBER 1995

COOPER NUCLEAR STATION JULY-SEPTEMBER 1995
 SPECIAL LOCATION # 1 SITE BOUNDARY
 AT 0.69 MILESMNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	3.61E-08	1.86E-08	4.32E-08	6.03E-08	1.01E-07	1.85E-05	3.71E-09	4.50E-09
TEEN	5.12E-08	2.11E-08	6.67E-08	9.20E-08	1.56E-07	2.58E-05	3.71E-09	4.50E-09
CHILD	8.80E-08	1.69E-08	1.51E-07	1.52E-07	2.48E-07	4.91E-05	3.71E-09	4.50E-09
INFANT	1.43E-07	1.50E-08	2.73E-07	3.21E-07	3.74E-07	1.04E-04	3.71E-09	4.50E-09

COOPER NUCLEAR STATION JULY-SEPTEMBER 1995
 SPECIAL LOCATION # 2 NEAR RESIDENCE
 AT 0.90 MILES NW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	2.45E-09	1.26E-09	2.94E-09	4.09E-09	6.82E-09	1.26E-06	2.50E-10	3.04E-10
TEEN	3.47E-09	1.43E-09	4.52E-09	6.24E-09	1.06E-08	1.74E-06	2.50E-10	3.04E-10
CHILD	5.96E-09	1.14E-09	1.02E-08	1.03E-08	1.68E-08	3.32E-06	2.50E-10	3.04E-10
INFANT	9.67E-09	1.01E-09	1.84E-08	2.17E-08	2.53E-08	7.05E-06	2.50E-10	3.04E-10

TABLE 4, DOSES TO MAXIMUM INDIVIDUAL (MREM), JULY-SEPTEMBER 1995

(CONTINUED)

COOPER NUCLEAR STATION JULY-SEPTEMBER 1995
SPECIAL LOCATION # 3 NEAREST COW
AT 3.50 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	2.71E-09	1.38E-09	3.24E-09	4.51E-09	7.55E-09	1.39E-06	2.71E-10	3.29E-10
TEEN	3.82E-09	1.57E-09	5.00E-09	6.88E-09	1.17E-08	1.93E-06	2.71E-10	3.29E-10
CHILD	6.52E-09	1.25E-09	1.12E-08	1.13E-08	1.84E-08	3.64E-06	2.71E-10	3.29E-10
INFANT	1.05E-08	1.10E-09	2.01E-08	2.36E-08	2.76E-08	7.67E-06	2.71E-10	3.29E-10

COOPER NUCLEAR STATION JULY-SEPTEMBER 1995
SPECIAL LOCATION # 2 NEAREST GARDEN
AT 1.90 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	8.90E-09	4.56E-09	1.07E-08	1.48E-08	2.48E-08	4.58E-06	9.04E-10	1.10E-09
TEEN	1.26E-08	5.19E-09	1.64E-08	2.26E-08	3.83E-08	6.35E-06	9.04E-10	1.10E-09
CHILD	2.16E-08	4.13E-09	3.71E-08	3.73E-08	6.07E-08	1.20E-05	9.04E-10	1.10E-09
INFANT	3.50E-08	3.67E-09	6.68E-08	7.84E-08	9.14E-08	2.55E-05	9.04E-10	1.10E-09

TABLE 5. DOSES TO MAXIMUM INDIVIDUAL (MREM), OCTOBER-DECEMBER 1995

COOPER NUCLEAR STATION OCTOBER-DECEMBER 1995
 SPECIAL LOCATION # 1 SITE BOUNDARY
 AT 0.69 MILES NNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	4.21E-05	4.21E-05	4.22E-05	4.22E-05	4.22E-05	6.69E-05	4.27E-05	1.06E-04
TEEN	4.22E-05	4.21E-05	4.22E-05	4.22E-05	4.23E-05	7.66E-05	4.27E-05	1.06E-04
CHILD	4.22E-05	4.21E-05	4.23E-05	4.23E-05	4.24E-05	1.08E-04	4.27E-05	1.06E-04
INFANT	4.23E-05	4.21E-05	4.25E-05	4.25E-05	4.26E-05	1.81E-04	4.27E-05	1.06E-04

COOPER NUCLEAR STATION OCTOBER-DECEMBER 1995
 SPECIAL LOCATION # 2 NEAR RESIDENCE
 AT 0.90 MILES NW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	7.82E-05	7.81E-05	7.82E-05	7.82E-05	7.83E-05	1.09E-04	7.92E-05	1.95E-04
TEEN	7.82E-05	7.81E-05	7.82E-05	7.83E-05	7.84E-05	1.22E-04	7.92E-05	1.95E-04
CHILD	7.82E-05	7.81E-05	7.84E-05	7.84E-05	7.85E-05	1.61E-04	7.92E-05	1.95E-04
INFANT	7.83E-05	7.81E-05	7.86E-05	7.86E-05	7.87E-05	2.53E-04	7.92E-05	1.95E-04

TABLE 5. DOSES TO MAXIMUM INDIVIDUAL (MREM), OCTOBER-DECEMBER 1995

(CONTINUED)

COOPER NUCLEAR STATION OCTOBER-DECEMBER 1995
SPECIAL LOCATION # 3 NEAREST COW
AT 3.50 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	2.86E-05	2.86E-05	2.86E-05	2.86E-05	2.86E-05	3.15E-05	2.89E-05	5.87E-05
TEEN	2.86E-05	2.86E-05	2.86E-05	2.86E-05	2.86E-05	3.26E-05	2.89E-05	5.87E-05
CHILD	2.86E-05	2.86E-05	2.86E-05	2.86E-05	2.86E-05	3.59E-05	2.89E-05	5.87E-05
INFANT	2.86E-05	2.86E-05	2.86E-05	2.86E-05	2.87E-05	4.37E-05	2.89E-05	5.87E-05

COOPER NUCLEAR STATION OCTOBER-DECEMBER 1995
SPECIAL LOCATION # 4 NEAREST GARDEN
AT 1.90 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	3.95E-05	3.95E-05	3.95E-05	3.95E-05	3.95E-05	4.69E-05	4.00E-05	8.44E-05
TEEN	3.95E-05	3.95E-05	3.95E-05	3.95E-05	3.96E-05	4.97E-05	4.00E-05	8.44E-05
CHILD	3.95E-05	3.95E-05	3.96E-05	3.96E-05	3.96E-05	5.87E-05	4.00E-05	8.44E-05
INFANT	3.96E-05	3.95E-05	3.96E-05	3.96E-05	3.96E-05	7.98E-05	4.00E-05	8.44E-05

TABLE 6. DOSES TO MAXIMUM INDIVIDUAL (MREM), JULY-DECEMBER 1995

COOPER NUCLEAR STATION JULY-DECEMBER 1995
 SPECIAL LOCATION # 1 SITE BOUNDARY
 AT 0.69 MILES NNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	2.54E-05	2.54E-05	2.54E-05	2.55E-05	2.56E-05	7.95E-05	2.56E-05	6.32E-05
TEEN	2.54E-05	2.54E-05	2.55E-05	2.56E-05	2.58E-05	1.01E-04	2.56E-05	6.32E-05
CHILD	2.56E-05	2.53E-05	2.57E-05	2.57E-05	2.60E-05	1.69E-04	2.56E-05	6.32E-05
INFANT	2.57E-05	2.53E-05	2.61E-05	2.62E-05	2.64E-05	3.30E-04	2.56E-05	6.32E-05

COOPER NUCLEAR STATION JULY-DECEMBER 1995
 SPECIAL LOCATION # 2 NEAR RESIDENCE
 AT 0.90 MILES NW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	3.71E-05	3.71E-05	3.71E-05	3.72E-05	3.73E-05	9.01E-05	3.75E-05	9.05E-05
TEEN	3.71E-05	3.71E-05	3.72E-05	3.73E-05	3.74E-05	1.11E-04	3.75E-05	9.05E-05
CHILD	3.73E-05	3.70E-05	3.74E-05	3.74E-05	3.77E-05	1.77E-04	3.75E-05	9.05E-05
INFANT	3.74E-05	3.70E-05	3.70E-05	3.79E-05	3.81E-05	3.35E-04	3.75E-05	9.05E-05

TABLE 6. DOSES TO MAXIMUM INDIVIDUAL (MREM), JULY-DECEMBER 1995

(CONTINUED)

COOPER NUCLEAR STATION JULY-DECEMBER 1995
 SPECIAL LOCATION # 3 NEAREST COW
 AT 3.50 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.53E-05	2.11E-05	1.55E-05	3.14E-05
TEEN	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.53E-05	2.33E-05	1.55E-05	3.14E-05
CHILD	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.54E-05	3.01E-05	1.55E-05	3.14E-05
INFANT	1.53E-05	1.53E-05	1.54E-05	1.54E-05	1.54E-05	4.57E-05	1.55E-05	3.14E-05

COOPER NUCLEAR STATION JULY-DECEMBER 1995
 SPECIAL LOCATION # 4 NEAREST GARDEN
 AT 1.90 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	2.59E-05	2.59E-05	2.59E-05	2.60E-05	2.60E-05	4.14E-05	2.62E-05	5.69E-05
TEEN	2.59E-05	2.59E-05	2.60E-05	2.60E-05	2.60E-05	4.73E-05	2.62E-05	5.69E-05
CHILD	2.60E-05	2.59E-05	2.60E-05	2.60E-05	2.61E-05	6.62E-05	2.62E-05	5.69E-05
INFANT	2.60E-05	2.59E-05	2.61E-05	2.62E-05	2.62E-05	1.11E-04	2.62E-05	5.69E-05

TABLE 7. DOSES TO MAXIMUM INDIVIDUAL (MREM), JANUARY-DECEMBER 1995

COOPER NUCLEAR STATION JANUARY-DECEMBER 1995
 SPECIAL LOCATION # 1 SITE BOUNDARY
 AT 0.67 MILES N

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	9.25E-05	9.24E-05	9.26E-05	9.27E-05	9.31E-05	2.53E-04	9.36E-05	2.36E-04
TEEN	9.26E-05	9.24E-05	9.28E-05	9.30E-05	9.36E-05	3.16E-04	9.36E-05	2.36E-04
CHILD	9.30E-05	9.23E-05	9.35E-05	9.35E-05	9.44E-05	5.19E-04	9.36E-05	2.36E-04
INFANT	9.34E-05	9.23E-05	9.46E-05	9.50E-05	9.54E-05	9.98E-04	9.36E-05	2.36E-04

COOPER NUCLEAR STATION JANUARY-DECEMBER 1995
 SPECIAL LOCATION # 2 NEAR RESIDENCE
 AT 0.90 MILES NW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	1.72E-04	1.72E-04	1.72E-04	1.73E-04	1.73E-04	3.33E-04	1.74E-04	4.25E-04
TEEN	1.72E-04	1.72E-04	1.73E-04	1.73E-04	1.73E-04	3.95E-04	1.74E-04	4.25E-04
CHILD	1.73E-04	1.72E-04	1.73E-04	1.73E-04	1.74E-04	5.96E-04	1.74E-04	4.25E-04
INFANT	1.73E-04	1.72E-04	1.74E-04	1.75E-04	1.75E-04	1.07E-03	1.74E-04	4.25E-04

TABLE 7. DOSES TO MAXIMUM INDIVIDUAL (MREM), JANUARY-DECEMBER 1995 (CONTINUED)

COOPER NUCLEAR STATION JANUARY-DECEMBER 1995
 SPECIAL LOCATION # 3 NEAREST COW
 AT 3.50 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	3.01E-05	3.01E-05	3.01E-05	3.01E-05	3.02E-05	4.08E-05	3.05E-05	6.16E-05
TEEN	3.01E-05	3.01E-05	3.01E-05	3.02E-05	3.02E-05	4.48E-05	3.05E-05	6.16E-05
CHILD	3.01E-05	3.01E-05	3.02E-05	3.02E-05	3.02E-05	5.74E-05	3.05E-05	6.16E-05
INFANT	3.02E-05	3.01E-05	3.02E-05	3.03E-05	3.03E-05	8.66E-05	3.05E-05	6.16E-05

COOPER NUCLEAR STATION JANUARY-DECEMBER 1995
 SPECIAL LOCATION # 4 NEAREST GARDEN
 AT 1.90 MILESNNW

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
ADULT	5.43E-05	5.42E-05	5.43E-05	5.43E-05	5.44E-05	8.45E-05	5.48E-05	1.15E-04
TEEN	5.43E-05	5.42E-05	5.43E-05	5.43E-05	5.45E-05	9.62E-05	5.48E-05	1.15E-04
CHILD	5.43E-05	5.42E-05	5.44E-05	5.44E-05	5.46E-05	1.33E-04	5.48E-05	1.15E-04
INFANT	5.44E-05	5.42E-05	5.46E-05	5.47E-05	5.48E-05	2.20E-04	5.48E-05	1.15E-04

TABLE 8. DOSES TO POPULATION WITHIN 50 MILES, JANUARY-MARCH 1995

COOPER NUCLEAR STATION JANUARY-MARCH 1995
 ALARA ANNUAL INTEGRATED POPULATION DOSE SUMMARY (MANREM)

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	5.48E-05	5.48E-05	5.48E-05	5.48E-05	5.48E-05	5.48E-05	5.58E-05	1.39E-04
GROUND	2.54E-09	2.54E-09	2.54E-09	2.54E-09	2.54E-09	2.54E-09	2.54E-09	3.08E-09
INHAL	2.28E-09	5.80E-10	3.11E-09	4.03E-09	6.83E-09	1.33E-06	0.00E+00	0.00E+00
VEGET	2.69E-08	8.98E-09	3.86E-08	4.75E-08	8.02E-08	1.54E-05	0.00E+00	0.00E+00
COW MILK	3.51E-08	1.09E-08	5.18E-08	6.20E-08	1.04E-07	2.01E-05	0.00E+00	0.00E+00
MEAT	7.60E-10	2.97E-10	1.02E-09	1.34E-09	2.27E-09	4.34E-07	0.00E+00	0.00E+00
TOTAL	5.48E-05	5.48E-05	5.49E-05	5.49E-05	5.50E-05	9.20E-05	5.58E-05	1.39E-04

TABLE 9. DOSES TO POPULATION WITHIN 50 MILES, APRIL-JUNE 1995

COOPER NUCLEAR STATION APRIL-JUNE 1995
 ALARA ANNUAL INTEGRATED POPULATION DOSE SUMMARY (MANREM)

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
GROUND	1.75E-09	1.75E-09	1.75E-09	1.75E-09	1.75E-09	1.75E-09	1.75E-09	2.12E-09
INHAL	1.15E-09	2.94E-10	1.57E-09	2.04E-09	3.46E-09	6.72E-07	0.00E+00	0.00E+00
VEGET	1.77E-08	5.90E-09	2.54E-08	3.12E-08	5.27E-08	1.01E-05	0.00E+00	0.00E+00
COW MILK	2.40E-08	7.42E-09	3.54E-08	4.24E-08	7.14E-08	1.37E-05	0.00E+00	0.00E+00
MEAT	5.20E-10	2.03E-10	6.95E-10	9.14E-10	1.55E-09	2.97E-07	0.00E+00	0.00E+00
TOTAL	4.51E-08	1.56E-08	6.48E-08	7.84E-08	1.31E-07	2.48E-05	1.75E-09	2.12E-09

TABLE 10. DOSES TO POPULATION WITHIN 50 MILES, JULY-SEPTEMBER 1995

COOPER NUCLEAR STATION JULY-SEPTEMBER 1995
 ALARA ANNUAL INTEGRATED POPULATION DOSE SUMMARY (MANREM)

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
GROUND	6.18E-10	6.18E-10	6.18E-10	6.18E-10	6.18E-10	6.18E-10	6.18E-10	7.50E-10
INHAL	3.47E-10	8.83E-11	4.73E-10	6.13E-10	1.04E-09	2.02E-07	0.00E+00	0.00E+00
VEGET	4.21E-09	1.40E-09	6.05E-09	7.44E-09	1.26E-08	2.41E-06	0.00E+00	0.00E+00
COW MILK	5.40E-09	1.67E-09	7.97E-09	9.55E-09	1.61E-08	3.09E-06	0.00E+00	0.00E+00
MEAT	1.26E-10	4.91E-11	1.68E-10	2.21E-10	3.76E-10	7.18E-08	0.00E+00	0.00E+00
TOTAL	1.07E-08	3.83E-09	1.53E-08	1.84E-08	3.07E-08	5.78E-06	6.18E-10	7.50E-10

TABLE 11. DOSES TO POPULATION WITHIN 50 MILES, OCTOBER-DECEMBER 1995

COOPER NUCLEAR STATION OCTOBER-DECEMBER 1995
 ALARA ANNUAL INTEGRATED POPULATION DOSE SUMMARY (MANREM)

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	4.99E-05	4.99E-05	4.99E-05	4.99E-05	4.99E-05	4.99E-05	5.08E-05	1.24E-04
GROUND	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	5.02E-09
INHAL	3.48E-09	8.84E-10	4.74E-09	6.14E-09	1.04E-08	2.02E-06	0.00E+00	0.00E+00
VEGET	3.99E-08	1.33E-08	5.73E-08	7.05E-08	1.19E-07	2.28E-05	0.00E+00	0.00E+00
COW MILK	5.14E-08	1.59E-08	7.58E-08	9.08E-08	1.53E-07	2.94E-05	0.00E+00	0.00E+00
MEAT	1.14E-09	4.44E-10	1.52E-09	2.00E-09	3.40E-09	6.50E-07	0.00E+00	0.00E+00
TOTAL	5.00E-05	4.99E-05	5.00E-05	5.01E-05	5.02E-05	1.05E-04	5.08E-05	1.24E-04

TABLE 12. DOSES TO POPULATION WITHIN 50 MILES, JANUARY-JUNE 1995

COOPER NUCLEAR STATION JANUARY-JUNE 1995
 ALARA ANNUAL INTEGRATED POPULATION DOSE SUMMARY (MANREN)

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.34E-05	3.34E-05	3.34E-05	3.34E-05	3.34E-05	3.34E-05	3.40E-05	8.45E-05
GROUND	6.61E-09	6.61E-09	6.61E-09	6.61E-09	6.61E-09	6.61E-09	6.61E-09	8.02E-09
INHAL	5.69E-09	1.45E-09	7.76E-09	1.01E-08	1.71E-08	3.31E-06	0.00E+00	0.00E+00
VEGET	6.99E-08	2.33E-08	1.00E-07	1.23E-07	2.08E-07	4.00E-05	0.00E+00	0.00E+00
COW MILK	9.18E-08	2.84E-08	1.35E-07	1.62E-07	2.73E-07	5.25E-05	0.00E+00	0.00E+00
MEAT	1.99E-09	7.78E-10	2.66E-09	3.50E-09	5.95E-09	1.14E-06	0.00E+00	0.00E+00
TOTAL	3.36E-05	3.34E-05	3.36E-05	3.37E-05	3.39E-05	1.30E-04	3.40E-05	8.45E-05

TABLE 13. DOSES TO POPULATION WITHIN 50 MILES, JULY-DECEMBER 1995

COOPER NUCLEAR STATION JULY-DECEMBER 1995
 ALARA ANNUAL INTEGRATED POPULATION DOSE SUMMA: (MANREM)

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.76E-05	2.76E-05	2.76E-05	2.76E-05	2.76E-05	2.76E-05	2.81E-05	6.87E-05
GROUND	7.32E-09	7.32E-09	7.32E-09	7.32E-09	7.32E-09	7.32E-09	7.32E-09	8.89E-09
INHAL	6.04E-09	1.54E-09	8.23E-09	1.07E-08	1.81E-08	3.51E-06	0.00E+00	0.00E+00
VEGET	6.95E-08	2.32E-08	9.97E-08	1.23E-07	2.07E-07	3.97E-05	0.00E+00	0.00E+00
COW MILK	8.94E-08	2.76E-08	1.32E-07	1.58E-07	2.66E-07	5.11E-05	0.00E+00	0.00E+00
MEAT	1.98E-09	7.75E-09	2.65E-09	3.49E-09	5.93E-09	1.13E-06	0.00E+00	0.00E+00
TOTAL	2.78E-05	2.77E-05	2.79E-05	2.79E-05	2.81E-05	1.23E-04	2.81E-05	6.87E-05

TABLE 14. DOSES TO POPULATION WITHIN 50 MILES, JANUARY-DECEMBER 1995

COOPER NUCLEAR STATION JANUARY-DECEMBER 1995
 ALARA ANNUAL INTEGRATED POPULATION DOSE SUMMARY (MANREM)

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.18E-05	6.18E-05	6.18E-05	6.18E-05	6.18E-05	6.18E-05	6.29E-05	1.55E-04
GROUND	1.39E-08	1.39E-08	1.39E-08	1.39E-08	1.39E-08	1.39E-08	1.39E-08	1.69E-08
INHAL	1.17E-08	2.99E-09	1.60E-08	2.07E-08	3.52E-08	6.83E-06	0.00E+00	0.00E+00
VEGET	1.39E-07	4.64E-08	2.00E-07	2.46E-07	4.15E-07	7.97E-05	0.00E+00	0.00E+00
COW MILK	1.81E-07	5.60E-08	2.67E-07	3.20E-07	5.39E-07	1.04E-04	0.00E+00	0.00E+00
MEAT	3.97E-09	1.55E-09	5.30E-09	6.98E-09	1.19E-08	2.27E-06	0.00E+00	0.00E+00
TOTAL	6.22E-05	6.20E-05	6.23E-05	6.24E-05	6.29E-05	2.54E-04	6.30E-05	1.55E-04

TABLE 15. GAMMA AND BETA AIR DOSES, JANUARY-MARCH 1995

COOPER NUCLEAR STATION JANUARY-MARCH 1995
INDIVIDUAL ANNUAL GAMMA AIR DOSE (MILLIRADS)
DISTANCE IN MILES

DIR	0.0-1.	1.-2.	2.-3.	3.-4.	4.-5.	5.-10.	10.-20.	20.-30.	30.-40.	40.-50.
N	7.889E-05	3.985E-05	2.065E-05	1.189E-05	7.221E-06	2.915E-06	1.138E-06	5.106E-07	2.469E-07	1.364E-07
NNE	1.042E-04	4.042E-05	1.919E-05	1.129E-05	7.640E-06	1.113E-05	2.926E-06	1.027E-06	4.752E-07	2.551E-07
NE	4.624E-05	2.541E-05	1.350E-05	8.328E-06	5.547E-06	7.524E-06	1.903E-06	6.411E-07	2.929E-07	1.543E-07
E	3.398E-06	8.248E-06	5.300E-06	3.359E-06	2.239E-06	2.454E-06	6.340E-07	2.149E-07	1.010E-07	5.249E-08
ESE	1.925E-05	1.667E-05	9.375E-06	5.554E-06	3.725E-06	4.157E-06	1.147E-06	4.084E-07	1.917E-07	1.034E-07
SE	8.699E-05	6.540E-05	3.110E-05	1.776E-05	1.179E-05	4.533E-06	1.607E-06	6.684E-07	3.250E-07	1.743E-07
SSE	1.704E-04	1.787E-04	5.894E-05	3.264E-05	3.865E-05	1.301E-05	3.201E-06	1.100E-06	5.121E-07	2.756E-07
S	1.923E-04	7.965E-05	3.334E-05	1.773E-05	1.721E-05	6.995E-06	1.729E-06	5.690E-07	2.374E-07	1.182E-07
SSW	6.804E-05	3.503E-05	1.715E-05	1.302E-05	8.241E-06	3.970E-06	9.064E-07	2.798E-07	1.121E-07	5.416E-08
SW	7.594E-05	6.980E-05	2.219E-05	1.017E-05	5.785E-06	2.380E-06	5.455E-07	1.630E-07	6.641E-08	3.213E-08
WSW	3.922E-05	5.563E-05	1.813E-05	8.869E-06	5.282E-06	2.533E-06	7.032E-07	1.823E-07	6.858E-08	3.251E-08
W	5.079E-05	3.850E-05	1.275E-05	6.373E-06	3.755E-06	1.473E-06	5.370E-07	1.772E-07	6.747E-08	3.232E-08
WNW	1.573E-04	9.957E-05	2.932E-05	1.446E-05	8.239E-06	2.957E-06	7.205E-07	2.001E-07	7.810E-08	3.693E-08
NW	6.913E-05	2.948E-04	7.921E-05	3.778E-05	2.083E-05	7.218E-06	1.980E-06	6.503E-07	2.924E-07	1.513E-07
NNW	1.887E-05	6.811E-05	4.652E-05	3.212E-05	1.808E-05	6.936E-06	1.725E-06	5.483E-07	2.380E-07	1.227E-07

INDIVIDUAL ANNUAL BETA AIR DOSE (MILLIRADS)
DISTANCE IN MILES

DIR	0.0-1.	1.-2.	2.-3.	3.-4.	4.-5.	5.-10.	10.-20.	20.-30.	30.-40.	40.-50.
N	8.190E-05	3.281E-05	1.517E-05	8.497E-06	5.190E-06	2.175E-06	8.822E-07	4.143E-07	2.157E-07	1.317E-07
NNE	1.041E-04	3.206E-05	1.380E-05	8.079E-06	5.538E-06	8.444E-06	2.304E-06	8.742E-07	4.598E-07	2.878E-07
NE	4.587E-05	1.865E-05	9.676E-06	6.108E-06	4.160E-06	5.769E-06	1.520E-06	5.683E-07	3.022E-07	1.891E-07
E	3.437E-06	6.425E-06	3.829E-06	2.397E-06	1.621E-06	1.872E-06	5.032E-07	1.880E-07	1.021E-07	6.324E-08
ESE	6.953E-07	1.084E-05	6.177E-06	3.614E-06	2.379E-06	2.455E-06	6.641E-07	2.496E-07	1.310E-07	8.323E-08
SE	1.779E-05	1.204E-05	6.733E-06	4.097E-06	2.797E-06	3.183E-06	9.098E-07	3.533E-07	1.886E-07	1.187E-07
SSE	8.735E-05	5.571E-05	2.286E-05	1.267E-05	8.439E-06	3.394E-06	1.311E-06	5.463E-07	2.970E-07	1.819E-07
S	1.657E-04	1.744E-04	4.574E-05	2.376E-05	2.766E-05	9.739E-06	2.495E-06	9.065E-07	4.636E-07	2.821E-07
SSW	1.885E-04	6.557E-05	2.423E-05	1.265E-05	1.247E-05	5.363E-06	1.392E-06	5.402E-07	2.812E-07	1.790E-07
SW	6.698E-05	2.646E-05	1.224E-05	9.573E-06	6.210E-06	3.090E-06	7.676E-07	2.947E-07	1.537E-07	9.618E-08
WSW	7.572E-05	5.268E-05	1.583E-05	7.418E-06	4.317E-06	1.843E-06	4.521E-07	1.645E-07	8.561E-08	5.298E-08
W	3.990E-05	4.024E-05	1.316E-05	6.636E-06	4.027E-06	2.012E-06	6.892E-07	2.659E-07	1.466E-07	9.502E-08
WNW	4.822E-05	2.811E-05	9.192E-06	4.745E-06	2.866E-06	1.157E-06	5.094E-07	2.513E-07	1.391E-07	9.076E-08
NW	1.521E-04	7.118E-05	2.145E-05	1.093E-05	6.326E-06	2.345E-06	6.785E-07	2.709E-07	1.525E-07	9.841E-08
NNW	6.857E-05	2.288E-04	5.652E-05	2.722E-05	1.534E-05	5.528E-06	1.580E-06	5.782E-07	3.056E-07	1.894E-07

TABLE 17. GAMMA AND BETA AIR DOSES, JANUARY-JUNE 1995

COOPER NUCLEAR STATION JANUARY-JUNE 1995
 INDIVIDUAL ANNUAL GAMMA AIR DOSE (MILLIRADS)
 DISTANCE IN MILES

DIR	0.0-1.	1.-2.	2.-3.	3.-4.	4.-5.	5.-10.	10.-20.	20.-30.	30.-40.	40.-50.
N	5.397E-05	2.856E-05	1.237E-05	6.708E-06	4.167E-06	1.628E-06	6.233E-07	2.723E-07	1.287E-07	7.030E-08
NNE	6.294E-05	2.499E-05	1.181E-05	6.927E-06	4.532E-06	6.356E-06	1.666E-06	5.933E-07	2.754E-07	1.490E-07
NE	2.783E-05	1.390E-05	7.436E-06	4.576E-06	3.058E-06	3.983E-06	1.012E-06	3.412E-07	1.560E-07	8.157E-08
ENE	1.928E-06	4.902E-06	2.965E-06	1.807E-06	1.246E-06	1.310E-06	3.369E-07	1.118E-07	5.117E-08	2.657E-08
E	3.978E-07	8.815E-06	4.980E-06	2.887E-06	1.863E-06	1.760E-06	4.546E-07	1.610E-07	7.496E-08	4.165E-08
ESE	1.660E-05	1.185E-05	6.186E-06	3.603E-06	2.330E-06	2.364E-06	6.401E-07	2.290E-07	1.070E-07	5.804E-08
SE	5.099E-05	3.530E-05	1.770E-05	9.543E-06	6.299E-06	2.555E-06	9.253E-07	3.704E-07	1.795E-07	9.752E-08
SSE	1.075E-04	6.969E-05	3.209E-05	1.757E-05	2.127E-05	7.114E-06	1.752E-06	6.089E-07	2.810E-07	1.499E-07
S	1.199E-04	4.243E-05	1.819E-05	9.471E-06	9.154E-06	3.907E-06	9.702E-07	3.219E-07	1.356E-07	6.709E-08
SSW	4.054E-05	2.059E-05	1.046E-05	8.517E-06	5.675E-06	3.138E-06	7.451E-07	2.453E-07	1.005E-07	4.932E-08
SW	4.665E-05	4.589E-05	1.458E-05	6.696E-06	3.775E-06	1.558E-06	3.542E-07	1.070E-07	4.333E-08	2.096E-08
WSW	2.323E-05	3.709E-05	1.181E-05	5.516E-06	3.175E-06	1.575E-06	4.396E-07	1.139E-07	4.278E-08	2.031E-08
W	6.102E-05	3.792E-05	1.181E-05	5.551E-06	3.271E-06	1.222E-06	3.957E-07	1.232E-07	4.685E-08	2.224E-08
WNW	9.449E-05	7.731E-05	2.150E-05	9.988E-06	5.660E-06	1.974E-06	4.691E-07	1.308E-07	5.098E-08	2.409E-08
NW	6.314E-05	2.044E-04	5.743E-05	2.661E-05	1.433E-05	4.881E-06	1.313E-06	4.416E-07	2.023E-07	1.056E-07
NNW	3.588E-05	5.265E-05	3.178E-05	2.061E-05	1.159E-05	4.224E-06	1.048E-06	3.388E-07	1.473E-07	7.594E-08

INDIVIDUAL ANNUAL BETA AIR DOSE (MILLIRADS)
 DISTANCE IN MILES

DIR	0.0-1.	1.-2.	2.-3.	3.-4.	4.-5.	5.-10.	10.-20.	20.-30.	30.-40.	40.-50.
N	5.400E-05	2.476E-05	9.114E-06	4.786E-06	3.002E-06	1.224E-06	4.867E-07	2.257E-07	1.174E-07	7.219E-08
NNE	6.345E-05	2.024E-05	8.568E-06	4.943E-06	3.277E-06	4.817E-06	1.309E-06	5.009E-07	2.625E-07	1.641E-07
NE	2.789E-05	1.023E-05	5.322E-06	3.348E-06	2.287E-06	3.055E-06	8.077E-07	3.019E-07	1.604E-07	1.000E-07
ENE	1.975E-06	3.733E-06	2.115E-06	1.308E-06	9.164E-07	1.005E-06	2.693E-07	9.998E-08	5.394E-08	3.358E-08
E	3.910E-07	6.933E-06	3.584E-06	2.065E-06	1.354E-06	1.331E-06	3.567E-07	1.346E-07	6.986E-08	4.448E-08
ESE	1.611E-05	8.697E-06	4.423E-06	2.633E-06	1.739E-06	1.805E-06	5.066E-07	1.963E-07	1.040E-07	6.532E-08
SE	5.235E-05	3.008E-05	1.319E-05	6.808E-06	4.517E-06	1.903E-06	7.186E-07	3.013E-07	1.627E-07	9.999E-08
SSE	1.090E-04	6.203E-05	2.490E-05	1.273E-05	1.525E-05	5.343E-06	1.368E-06	5.028E-07	2.562E-07	1.555E-07
S	1.220E-04	3.476E-05	1.322E-05	6.769E-06	6.660E-06	2.994E-06	7.801E-07	3.044E-07	1.588E-07	1.009E-07
SSW	3.989E-05	1.543E-05	7.464E-06	6.239E-06	4.251E-06	2.436E-06	6.248E-07	2.509E-07	1.321E-07	8.324E-08
SW	4.505E-05	3.426E-05	1.042E-05	4.906E-06	2.832E-06	1.208E-06	2.953E-07	1.084E-07	5.628E-08	3.483E-08
WSW	2.305E-05	2.789E-05	8.510E-06	4.115E-06	2.423E-06	1.249E-06	4.329E-07	1.676E-07	9.251E-08	6.010E-08
W	5.884E-05	2.814E-05	8.492E-06	4.139E-06	2.494E-06	9.595E-07	3.717E-07	1.723E-07	9.477E-08	6.142E-08
WNW	9.019E-05	5.627E-05	1.552E-05	7.477E-06	4.310E-06	1.549E-06	4.247E-07	1.645E-07	9.111E-08	5.834E-08
NW	6.228E-05	1.607E-04	4.127E-05	1.903E-05	1.046E-05	3.716E-06	1.039E-06	3.815E-07	2.004E-07	1.232E-07
NNW	3.501E-05	4.048E-05	2.267E-05	1.496E-05	8.594E-06	3.254E-06	8.508E-07	3.174E-07	1.696E-07	1.094E-07

TABLE 19. GAMMA AND BETA AIR DOSES, OCTOBER-DECEMBER 1995

COOPER NUCLEAR STATION OCTOBER-DECEMBER 1995
 INDIVIDUAL ANNUAL GAMMA AIR DOSE (MILLIRADS)
 DISTANCE IN MILES

DIR	0.0-1.	1.-2.	2.-3.	3.-4.	4.-5.	5.-10.	10.-20.	20.-30.	30.-40.	40.-50.
N	1.020E-04	4.075E-05	2.219E-05	1.335E-05	9.032E-06	3.53E-06	2.016E-06	1.042E-06	5.267E-07	3.045E-07
NNE	5.244E-05	3.023E-05	1.642E-05	9.831E-06	6.346E-06	7.23E-06	1.880E-06	6.763E-07	3.217E-07	1.768E-07
NE	6.295E-06	1.549E-05	9.083E-06	5.605E-06	3.663E-06	3.792E-06	9.684E-07	3.335E-07	1.556E-07	8.275E-08
ENE	1.323E-05	8.948E-06	4.694E-06	2.745E-06	1.780E-06	1.764E-06	4.266E-07	1.294E-07	5.558E-08	2.722E-08
E	4.831E-05	2.143E-05	1.033E-05	5.601E-06	3.640E-06	3.411E-06	8.908E-07	3.066E-07	1.394E-07	7.712E-08
ESE	3.845E-05	4.303E-05	2.226E-05	1.227E-05	7.804E-06	5.037E-06	1.234E-06	4.490E-07	2.171E-07	1.192E-07
SE	3.358E-05	5.744E-05	2.758E-05	1.535E-05	9.774E-06	3.700E-06	1.276E-06	5.052E-07	2.470E-07	1.332E-07
SSE	3.118E-05	4.926E-05	2.442E-05	1.420E-05	1.868E-05	6.232E-06	1.548E-06	5.460E-07	2.567E-07	1.398E-07
S	5.462E-05	3.030E-05	1.372E-05	7.843E-06	8.782E-06	3.567E-06	9.038E-07	3.223E-07	1.490E-07	8.039E-08
SSW	8.977E-06	8.613E-06	4.986E-06	5.070E-06	3.583E-06	2.254E-06	5.494E-07	1.845E-07	7.773E-08	3.868E-08
SW	1.942E-05	3.420E-05	1.146E-05	5.555E-06	3.353E-06	2.245E-06	6.018E-07	2.269E-07	1.017E-07	5.183E-08
WSW	3.040E-05	4.894E-05	1.602E-05	7.289E-06	4.135E-06	1.742E-06	4.870E-07	1.544E-07	6.616E-08	3.363E-08
W	8.049E-05	6.622E-05	1.920E-05	9.071E-06	5.218E-06	1.817E-06	5.645E-07	2.002E-07	8.811E-08	4.512E-08
WNW	8.720E-05	9.769E-05	3.016E-05	1.547E-05	8.782E-06	3.133E-06	8.836E-07	2.990E-07	1.317E-07	6.743E-08
NW	4.727E-05	1.390E-04	4.515E-05	2.077E-05	1.177E-05	4.214E-06	1.147E-06	3.546E-07	1.504E-07	7.458E-08
NNW	3.619E-05	8.127E-05	5.396E-05	3.908E-05	2.242E-05	8.480E-06	2.203E-06	8.169E-07	3.989E-07	2.230E-07

INDIVIDUAL ANNUAL BETA AIR DOSE (MILLIRADS)
 DISTANCE IN MILES

DIR	0.0-1.	1.-2.	2.-3.	3.-4.	4.-5.	5.-10.	10.-20.	20.-30.	30.-40.	40.-50.
N	1.041E-04	3.462E-05	1.662E-05	9.578E-06	6.446E-06	2.910E-06	1.550E-06	8.239E-07	4.363E-07	2.694E-07
NNE	5.263E-05	2.456E-05	1.199E-05	7.015E-06	4.573E-06	5.437E-06	1.465E-06	5.564E-07	2.904E-07	1.797E-07
NE	6.374E-06	1.204E-05	6.508E-06	4.015E-06	2.674E-06	2.881E-06	7.615E-07	2.826E-07	1.483E-07	9.141E-08
ENE	1.306E-05	6.587E-06	3.373E-06	2.027E-06	1.341E-06	1.367E-06	3.568E-07	1.334E-07	7.627E-08	4.844E-08
E	4.921E-05	1.696E-05	7.418E-06	4.035E-06	2.670E-06	2.608E-06	7.074E-07	2.678E-07	1.408E-07	9.186E-08
ESE	3.878E-05	3.771E-05	1.748E-05	8.957E-06	5.639E-06	3.706E-06	9.543E-07	3.604E-07	1.864E-07	1.129E-07
SE	3.460E-05	5.166E-05	2.143E-05	1.115E-05	6.977E-06	2.723E-06	9.870E-07	4.089E-07	2.215E-07	1.352E-07
SSE	3.319E-05	4.213E-05	1.814E-05	1.017E-05	1.339E-05	4.663E-06	1.203E-06	4.431E-07	2.254E-07	1.363E-07
S	5.696E-05	2.601E-05	1.012E-05	5.599E-06	6.315E-06	2.687E-06	7.058E-07	2.672E-07	1.366E-07	8.369E-08
SSW	8.048E-06	6.406E-06	3.565E-06	3.765E-06	2.715E-06	1.745E-06	4.558E-07	1.829E-07	9.667E-08	6.092E-08
SW	2.067E-05	2.675E-05	8.185E-06	4.016E-06	2.471E-06	1.727E-06	4.889E-07	2.177E-07	1.224E-07	7.814E-08
WSW	3.122E-05	3.560E-05	1.146E-05	5.358E-06	3.106E-06	1.345E-06	3.954E-07	1.444E-07	7.513E-08	4.691E-08
W	7.456E-05	5.117E-05	1.370E-05	6.577E-06	3.863E-06	1.394E-06	4.520E-07	1.798E-07	9.353E-08	5.807E-08
WNW	8.349E-05	7.733E-05	2.171E-05	1.108E-05	6.402E-06	2.390E-06	7.055E-07	2.703E-07	1.440E-07	9.043E-08
NW	4.811E-05	1.064E-04	3.234E-05	1.504E-05	8.714E-06	3.246E-06	9.410E-07	3.469E-07	1.874E-07	1.183E-07
NNW	3.639E-05	7.158E-05	3.958E-05	2.789E-05	1.616E-05	6.369E-06	1.720E-06	6.728E-07	3.605E-07	2.278E-07

TABLE 20. GAMMA AND BETA AIR DOSES, JULY-DECEMBER 1995

COOPER NUCLEAR STATION JULY-DECEMBER 1995
 INDIVIDUAL ANNUAL GAMMA AIR DOSE (MILLIRADS)
 DISTANCE IN MILES

DIR	0.0-1.	1.-2.	2.-3.	3.-4.	4.-5.	5.-10.	10.-20.	20.-30.	30.-40.	40.-50.
N	6.423E-05	2.305E-05	1.247E-05	7.501E-06	4.932E-06	2.204E-06	1.175E-06	6.209E-07	3.148E-07	1.829E-07
NNE	2.533E-05	1.749E-05	9.343E-06	5.621E-06	3.648E-06	4.261E-06	1.101E-06	3.990E-07	1.899E-07	1.047E-07
NE	5.129E-06	9.930E-06	5.154E-06	2.952E-06	1.934E-06	2.022E-06	5.140E-07	1.773E-07	8.164E-08	4.392E-08
ENE	9.731E-06	4.609E-06	2.574E-06	1.474E-06	9.445E-07	9.278E-07	2.256E-07	6.841E-08	2.949E-08	1.441E-08
E	2.664E-05	1.281E-05	5.590E-06	3.172E-06	1.999E-06	1.881E-06	4.878E-07	1.673E-07	7.716E-08	4.238E-08
ESE	2.058E-05	2.285E-05	1.133E-05	6.831E-06	4.170E-06	2.553E-06	6.562E-07	2.379E-07	1.150E-07	6.378E-08
SE	1.460E-05	2.845E-05	1.495E-05	8.307E-06	5.101E-06	1.925E-06	6.694E-07	2.670E-07	1.310E-07	6.998E-08
SSE	1.210E-05	2.570E-05	1.322E-05	7.467E-06	9.716E-06	3.260E-06	8.169E-07	2.872E-07	1.357E-07	7.378E-08
S	2.511E-05	1.542E-05	6.801E-06	4.245E-06	4.631E-06	1.889E-06	4.768E-07	1.711E-07	7.871E-08	4.225E-08
SSW	4.562E-06	4.746E-06	2.583E-06	2.618E-06	1.902E-06	1.176E-06	2.883E-07	9.805E-08	4.083E-08	2.042E-08
SW	7.615E-06	1.798E-05	6.008E-06	2.941E-06	1.740E-06	1.171E-06	3.156E-07	1.192E-07	5.387E-08	2.717E-08
WSW	2.067E-05	2.780E-05	8.255E-06	3.864E-06	2.194E-06	9.171E-07	2.552E-07	8.124E-08	3.474E-08	1.767E-08
W	4.180E-05	3.303E-05	1.021E-05	4.708E-06	2.690E-06	9.556E-07	2.982E-07	1.053E-07	4.616E-08	2.366E-08
WNW	4.697E-05	5.175E-05	1.583E-05	7.968E-06	4.753E-06	1.657E-06	4.647E-07	1.563E-07	6.963E-08	3.543E-08
NW	1.966E-05	7.362E-05	2.358E-05	1.138E-05	6.286E-06	2.259E-06	6.177E-07	1.917E-07	8.100E-08	4.006E-08
NNW	2.718E-05	4.348E-05	3.099E-05	2.279E-05	1.263E-05	4.681E-06	1.239E-06	4.554E-07	2.223E-07	1.251E-07

INDIVIDUAL ANNUAL BETA AIR DOSE (MILLIRADS)
 DISTANCE IN MILES

DIR	0.0-1.	1.-2.	2.-3.	3.-4.	4.-5.	5.-10.	10.-20.	20.-30.	30.-40.	40.-50.
N	6.609E-05	1.972E-05	9.411E-06	5.398E-06	3.521E-06	1.623E-06	9.027E-07	4.901E-07	2.598E-07	1.607E-07
NNE	2.495E-05	1.437E-05	6.829E-06	4.011E-06	2.626E-06	3.203E-06	8.587E-07	3.281E-07	1.712E-07	1.061E-07
NE	5.142E-06	8.149E-06	3.715E-06	2.119E-06	1.415E-06	1.534E-06	4.040E-07	1.500E-07	7.813E-08	4.842E-08
ENE	9.915E-06	3.337E-06	1.846E-06	1.087E-06	7.117E-07	7.190E-07	1.885E-07	7.042E-08	4.030E-08	2.557E-08
E	2.724E-05	1.057E-05	4.014E-06	2.274E-06	1.464E-06	1.435E-06	3.865E-07	1.455E-07	7.687E-08	4.984E-08
ESE	2.082E-05	1.995E-05	8.730E-06	5.037E-06	2.980E-06	1.892E-06	5.074E-07	1.910E-07	9.874E-08	6.016E-08
SE	1.451E-05	2.506E-05	1.176E-05	6.072E-06	3.641E-06	1.419E-06	5.178E-07	2.159E-07	1.171E-07	7.109E-08
SSE	1.233E-05	2.191E-05	9.918E-06	5.348E-06	6.972E-06	2.441E-06	6.343E-07	2.331E-07	1.190E-07	7.183E-08
S	2.561E-05	1.307E-05	4.944E-06	3.035E-06	3.329E-06	1.421E-06	3.723E-07	1.415E-07	7.203E-08	4.400E-08
SSW	4.461E-06	3.584E-06	1.849E-06	1.947E-06	1.439E-06	9.112E-07	2.393E-07	9.670E-08	5.083E-08	3.208E-08
SW	7.771E-06	1.406E-05	4.291E-06	2.125E-06	1.285E-06	9.015E-07	2.566E-07	1.144E-07	6.455E-08	4.106E-08
WSW	2.200E-05	2.063E-05	5.917E-06	2.837E-06	1.646E-06	7.076E-07	2.074E-07	7.596E-08	3.949E-08	2.466E-08
W	3.857E-05	2.503E-05	7.288E-06	3.420E-06	1.998E-06	7.332E-07	2.386E-07	9.455E-08	4.910E-08	3.051E-08
WNW	4.525E-05	4.107E-05	1.139E-05	5.718E-06	3.450E-06	1.263E-06	3.710E-07	1.417E-07	7.590E-08	4.754E-08
NW	1.901E-05	5.597E-05	1.685E-05	8.220E-06	4.658E-06	1.740E-06	5.057E-07	1.864E-07	1.003E-07	6.321E-08
NNW	2.781E-05	3.689E-05	2.279E-05	1.627E-05	9.092E-06	3.516E-06	9.656E-07	3.738E-07	1.997E-07	1.263E-07

TABLE 21. GAMMA AND BETA AIR DOSES, JANUARY-DECEMBER 1995

COOPER NUCLEAR STATION JANUARY-DECEMBER 1995
 INDIVIDUAL ANNUAL GAMMA AIR DOSE (MILLIRADS)
 DISTANCE IN MILES

DIR	0.0-1.	1.-2.	2.-3.	3.-4.	4.-5.	5.-10.	10.-20.	20.-30.	30.-40.	40.-50.
N	1.257E-04	4.808E-05	2.599E-05	1.404E-05	9.551E-06	4.122E-06	1.990E-06	1.004E-06	5.031E-07	2.825E-07
NNE	8.398E-05	4.286E-05	2.237E-05	1.330E-05	8.632E-06	1.076E-05	2.771E-06	9.954E-07	4.676E-07	2.542E-07
NE	2.492E-05	2.137E-05	1.251E-05	7.173E-06	4.969E-06	5.941E-06	1.481E-06	5.026E-07	2.312E-07	1.227E-07
ENE	1.263E-05	1.038E-05	5.715E-06	3.338E-06	2.201E-06	2.244E-06	5.625E-07	1.769E-07	7.736E-08	3.861E-08
E	2.691E-05	2.342E-05	1.169E-05	6.398E-06	4.086E-06	3.811E-06	9.937E-07	3.441E-07	1.581E-07	8.769E-08
ESE	3.961E-05	3.799E-05	1.906E-05	1.068E-05	6.809E-06	5.157E-06	1.347E-06	4.832E-07	2.313E-07	1.264E-07
SE	6.033E-05	6.510E-05	3.225E-05	1.820E-05	1.202E-05	4.547E-06	1.618E-06	6.415E-07	3.161E-07	1.702E-07
SSE	1.003E-04	8.443E-05	4.320E-05	2.395E-05	2.995E-05	1.003E-05	2.474E-06	8.662E-07	4.010E-07	2.172E-07
S	1.152E-04	5.467E-05	2.446E-05	1.319E-05	1.370E-05	5.674E-06	1.393E-06	4.730E-07	2.050E-07	1.036E-07
SSW	4.220E-05	2.469E-05	1.172E-05	1.054E-05	7.024E-06	4.080E-06	9.842E-07	3.268E-07	1.352E-07	6.683E-08
SW	4.402E-05	6.171E-05	2.010E-05	8.989E-06	5.322E-06	2.768E-06	6.915E-07	2.396E-07	1.037E-07	5.154E-08
WSW	3.578E-05	6.587E-05	2.054E-05	9.602E-06	5.426E-06	2.430E-06	6.610E-07	1.788E-07	6.882E-08	3.277E-08
W	1.077E-04	7.215E-05	2.298E-05	1.027E-05	6.036E-06	2.188E-06	6.763E-07	2.125E-07	8.352E-08	3.981E-08
WNW	1.379E-04	1.230E-04	3.659E-05	1.803E-05	1.016E-05	3.624E-06	9.460E-07	2.874E-07	1.182E-07	5.745E-08
NW	8.398E-05	2.620E-04	7.794E-05	3.605E-05	1.997E-05	6.936E-06	1.857E-06	6.016E-07	2.640E-07	1.340E-07
NNW	5.686E-05	9.514E-05	6.521E-05	4.486E-05	2.502E-05	9.256E-06	2.407E-06	8.355E-07	3.870E-07	2.077E-07

INDIVIDUAL ANNUAL BETA AIR DOSE (MILLIRADS)
 DISTANCE IN MILES

DIR	0.0-1.	1.-2.	2.-3.	3.-4.	4.-5.	5.-10.	10.-20.	20.-30.	30.-40.	40.-50.
N	1.279E-04	3.989E-05	1.939E-05	1.001E-05	6.841E-06	3.060E-06	1.530E-06	8.012E-07	4.240E-07	2.587E-07
NNE	8.387E-05	3.495E-05	1.642E-05	9.489E-06	6.204E-06	8.113E-06	2.171E-06	8.293E-07	4.336E-07	2.694E-07
NE	2.404E-05	1.503E-05	8.926E-06	5.231E-06	3.679E-06	4.530E-06	1.175E-06	4.372E-07	2.311E-07	1.439E-07
ENE	1.262E-05	7.740E-06	4.983E-06	2.444E-06	1.645E-06	1.732E-06	4.595E-07	1.703E-07	9.449E-08	5.949E-08
E	2.612E-05	1.897E-05	8.457E-06	4.583E-06	2.982E-06	2.902E-06	7.845E-07	2.951E-07	1.543E-07	9.971E-08
ESE	3.943E-05	3.114E-05	1.396E-05	7.618E-06	4.903E-06	3.877E-06	1.051E-06	3.988E-07	2.091E-07	1.289E-07
SE	6.129E-05	5.649E-05	2.435E-05	1.306E-05	8.577E-06	3.369E-06	1.254E-06	5.209E-07	2.839E-07	1.732E-07
SSE	1.011E-04	7.219E-05	3.302E-05	1.725E-05	2.148E-05	7.523E-06	1.928E-06	7.104E-07	3.607E-07	2.196E-07
S	1.145E-04	4.532E-05	1.791E-05	9.409E-06	9.887E-06	4.314E-06	1.106E-06	4.237E-07	2.186E-07	1.366E-07
SSW	4.216E-05	1.899E-05	8.374E-06	7.739E-06	5.290E-06	3.166E-06	8.217E-07	3.300E-07	1.739E-07	1.096E-07
SW	4.203E-05	4.705E-05	1.434E-05	6.578E-06	3.969E-06	2.139E-06	5.684E-07	2.347E-07	1.282E-07	8.075E-08
WSW	3.541E-05	4.848E-05	1.474E-05	7.089E-06	4.107E-06	1.904E-06	6.012E-07	2.253E-07	1.222E-07	7.847E-08
W	1.027E-04	5.389E-05	1.641E-05	7.580E-06	4.550E-06	1.700E-06	5.873E-07	2.496E-07	1.346E-07	8.608E-08
WNW	1.321E-04	9.122E-05	2.615E-05	1.322E-05	7.614E-06	2.809E-06	7.970E-07	3.046E-07	1.660E-07	1.056E-07
NW	8.387E-05	2.032E-04	5.590E-05	2.590E-05	1.465E-05	5.307E-06	1.491E-06	5.468E-07	2.894E-07	1.801E-07
NNW	5.540E-05	7.589E-05	4.697E-05	3.214E-05	1.827E-05	7.048E-06	1.903E-06	7.202E-07	3.832E-07	2.436E-07

DOSE CALCULATION MODELS

To evaluate the radiological consequences of the routine release of liquid and gaseous effluents from the Cooper Nuclear Station, two computer codes were used: LADTAP II for liquid doses and GASPAR for gaseous doses. Both of these computer codes implement the dose calculational methodologies of U.S. NRC Regulatory Guide 1.109, Revision 1.

Source terms for each quarter are combined with station-specific demographic data and either hydrological dilution factors, for liquid dose calculations, or atmospheric diffusion estimates, for gaseous dose calculations.

For liquid dose calculations, the hydrological dilution factors used for input to LADTAP II, as well as other input parameters, are listed in Table 12. Other inputs not specifically listed in this table are taken from Regulatory Guide 1.109, Revision 1. Semiannual doses are obtained by summing the contributions from the appropriate quarters.

For gaseous dose calculations, atmospheric diffusion estimates are obtained from the reduction and processing of onsite meteorological data, as described in Appendix B. Source terms for the semiannual period are obtained by summing source terms for the appropriate quarters. Additional input to GASPAR includes the following station-supplied data:

- 0 to 50 mile population distribution
- 0 to 50 mile meat, milk, and vegetable distributions
- Absolute humidity at Cooper Nuclear Station (14.61 g/m)
- The fraction of the year that the vegetables are grown (0.5)
- The fraction of the daily feed intake derived from pasture for milk and meat animals (0.5)

Other values used for input to GASPAR are default values from Regulatory Guide 1.109, Rev. 1.

TABLE 22. Values of Parameters Used to Make Dose Estimates Resulting From Liquid Discharges at Cooper Nuclear Station January-December 1995

Parameter	Values Assigned		
	Individual	Population	
Cooling flow rate (cfs) * (Average daily value)	Q1	830.27	830.27
	Q2	1305.78	1305.78
	Q3	1454.79	1454.79
	Q4	399.99	399.99
Dilution factor*	Q1	1	38.86
	Q2	1	56.48
	Q3	1	42.36
	Q4	1	146.74
Holding time:			
Fish	24 hr ***		168 hr ***
Drinking water	12 hr ***		22.4 hr **
Shoreline exposure	0 hr ***		22.4 hr **
Swimming	0 hr ***		22.4 hr **
Boating	0 hr ***		22.4 hr **

* Q1, Q2, Q3, and Q4 represent first, second, third and fourth quarter station data for 1995, respectively.

** Based on an average Missouri River water flow of 5.5 ft/sec, 84 miles down the river.

*** Values from Regulatory Guide 1.109, Revision 1.

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