RIVER BEND STATION

ANNUAL

RADIOACTIVE EFFLUENT RELEASE REPORT

JANUARY 1 to DECEMBER 31, 1995

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TABLES

I. INTRODUCTION

This is the annual Radioactive Effluent Release Report for the period of January 1, 1995 through December 31, 1995. This report is submitted in accordance with Technical Specification 5.6.3 of Appendix A to River Bend Station (RBS) License Number NPF-47.

II. SUPPLEMENTAL INFORMATION

A. Regulatory Limits

1. 10CFR50, Appendix I Limits

a. Fission and Activation Gases

In accordance with Technical Requirement 3.11.2.2, the air dose due to noble gases released in gaseous effluent to areas at and beyond the SITE BOUNDARY shall be limited to:

$D_{Gamma\text{-}Air}$ = gamma air dose from radioactive noble gases in millirad (mrad)

$$= 3.17E\text{-}8 \sum_{i=1}^{n} M_i \overline{(X/Q)}\, Q_i \quad \leq 5 \text{ mrads/qtr}, \leq 10 \text{ mrads/yr}$$

$D_{Beta\text{-}Air}$ = beta air dose from radioactive noble gases in millirad (mrad)

$$= 3.17E\text{-}8 \sum_{i=1}^{n} N_i \overline{(X/Q)}\, Q_i \quad \leq 10 \text{ mrads/qtr}, \leq 20 \text{ mrads/yr}$$

b. Radioiodine and Particulate

In accordance with Technical Requirement 3.11.2.3, the dose to a MEMBER OF THE PUBLIC from iodine-131, iodine-133, tritium and all radionuclides in particulate form with half-lives greater than 8 days, in gaseous effluent releases to areas at and beyond the SITE BOUNDARY shall be limited to:

$D_{I\&8DP\tau}$ = Dose in mrem to the organ (τ) of a specified age group from radioiodine, tritium, and 8 day particulate via the pathway of interest.

$$= 3.17E\text{-}08\ (F_o) \sum_{I=1}^{n} P_{i\tau}\ (X/Q)_D\ Q_i \quad \underline{\text{and}}$$

$$= 3.17E\text{-}08\ (F_o) \sum_{I=1}^{n} R_{i\tau}\ (D/Q)\ Q_i \quad \underline{\text{and}}$$

$$D_\tau = \sum_{z=1}^{n} D_{I\&8DP\tau} \quad \leq 7.5 \text{ mrem/qtr} \quad \geq 15 \text{ mrem/yr}$$

(above terms defined in the RBS ODCM)

c. Liquid Effluent

In accordance with Technical Requirement 3.11.1.2, the dose or dose commitment to a MEMBER OF THE PUBLIC from radioactive materials in liquid effluent released to UNRESTRICTED AREAS shall be limited to:

$$D_{i\tau} = \frac{A_{i\tau}\ \Delta t\ Q_i}{(DF)\ D_w}$$

and

$$D_{TOTAL\tau} = \sum_{I=1}^{n} D_{i\tau}$$

$D_{TOTAL\tau}$ = Total dose commitment to the organ (τ) due to all releases during the desired time interval in mrem

and D_{TOTAL} Total Body $\leq$ 1.5 mrem/qtr
$\leq$ 3 mrem/yr

D_{TOTAL} Any Organ $\leq$ 5 mrem/qtr
$\leq$ 10 mrem/yr

(above terms defined in RBS ODCM)

2. 40CFR190 Limits

In accordance with Technical Requirement 3.11.4, the annual (calendar year) dose or dose commitment to any MEMBER OF THE PUBLIC, due to releases of radioactivity and to radiation from uranium fuel cycle sources, shall be limited to:

$\leq$ 25 mrem to the total body or any organ (except the thyroid)

$\leq$ 75 mrem to the thyroid

3. Miscellaneous Limits

a. Technical Requirement 3.11.2.1 - Fission and Activation Gases

In accordance with Technical Requirement 3.11.2.1, the dose rate due to radioactive materials released in gaseous effluents from the site to areas at and beyond the SITE BOUNDARY shall be less than or equal to 500 millirems/year (mrem/yr) to the total body and less than or equal to 3000 mrem/yr to the skin:

DR_{TB} = Dose rate to the total body in mrem/yr

$$= \sum_{i=1}^{n} K_i \ \overline{(X/Q)} \ \dot{Q}_i \leq 500 \text{ mrem/yr} \quad \text{and}$$

DR_{SKIN} = Dose rate to the skin in mrem/yr

$$= \sum_{i=1}^{n} L_i + 1.1 M_i \ \overline{(X/Q)} \ \dot{Q}_i \leq 3000 \text{ mrem/yr}$$

(above terms defined in RBS ODCM)

b. Technical Requirement 3.11.2.1 - Radioiodine and Particulate

In accordance with Technical Requirement 3.11.2.1, the dose rate due to iodine-131, iodine-133, tritium, and all radionuclides in particulate form with half-lives greater than 8 days released in gaseous effluents from the site to areas at and beyond the SITE BOUNDARY shall be limited to less than or equal to 1500 mrem/yr to any organ:

$DR_{I\&8DP\tau}$ = Dose rate to the organ τ for the age pathway group of interest from iodines, tritium, and 8 day particulate via the inhalation pathway in mrem/yr.

$$= \sum_{i=1}^{n} P_i \ \overline{(X/Q)_D} \ \dot{Q}_i \leq 1500 \text{ mrem/yr}$$

(above terms defined in RBS ODCM)

c. Technical Requirement 3.11.1.1 - Liquid Effluent

In accordance with Technical Requirement 3.11.1.1, the concentration of radioactive material released in liquid effluent to UNRESTRICTED AREAS shall be limited to the concentrations specified in 10CFR20, Appendix B, Table 2, Column 2 for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall be limited to 2.0E-04 microcuries/milliliter total activity.

d. Technical Requirement 3.11.2.5 - Ventilation Exhaust Treatment System

In accordance with Technical Requirement 3.11.2.5, the VENTILATION EXHAUST TREATMENT SYSTEM shall be used to reduce radioactive materials in gaseous waste prior to their discharge when the projected doses, due to gaseous effluent releases to areas and beyond the SITE BOUNDARY would exceed 0.3 mrem to any organ in a 31-day period.

e. Technical Specification 3.11.1.3 - Liquid Radwaste Treatment System

In accordance with Technical Requirement 3.11.1.3, the liquid radwaste treatment system shall be used to reduce the radioactive materials in liquid waste prior to their discharge when the projected doses, due to the liquid effluent, to UNRESTRICTED AREAS would exceed 0.06 mrem to the total body or 0.2 mrem to any organ in a 31-day period.

B. Effluent Concentration Limits

1. Gaseous Releases

The concentrations of radioactive gaseous releases are based on the dose rate restrictions in RBS Technical Requirements, rather than the Effluent Concentration Limits (ECL) listed in 10CFR20 Appendix B, Table 2, Column 1.

2. Liquid Releases

The Effluent Concentration Limits of radioactive materials in liquid effluent is limited by 10CFR20, Appendix B, Table 2, Column 2.

C. Average Energy

Period	E-Bar (MeV/dis)
01/01/95 - 05/15/95	1.51

Due to the limited value added from the E-Bar calculation, this analysis was deleted during the October 1, 1995 Technical Specification revision. This analysis is geared more for Pressurized Water Reactors and provided little useful information for Boiling Water Reactors.

D. Measurements and Approximations of Total Radioactivity

1. Gaseous Effluent

a. Fission and Activation Gases

Periodic grab samples are obtained from the Main Plant Exhaust Duct, Fuel Building Exhaust Vent and Radwaste Building Exhaust Vent. These samples are analyzed utilizing high purity germanium detectors coupled to computerized pulse height analyzers. The sampling and analysis frequencies are described in Table 1.

Sampling and analysis of these effluent streams provide noble gas radionuclide relative abundance which can then be applied to the noble gas gross activity and gross activity release rate to obtain nuclide specific activities and release rates. The noble gas gross activity released within a specific time period is determined by integrating the stack monitor release rate over the considered time period. If no activity was detected between stack grab samples and a significant increase in hourly averages was recorded, the nuclide relative abundance of the last sample which indicated the presence of activity was utilized to obtain nuclide specific activities. Correction factors for the monitors are derived and applied for each sampling period whenever noble gas radionuclides are detected in the effluent stream.

b. Particulate and Iodines

Particulates and iodines are continuously sampled from the three release points utilizing a particulate filter and charcoal cartridge in line with a sample pump (stack monitor pump). These filters and charcoal cartridges are removed and analyzed in accordance with the frequencies specified in Table 1. Analysis is performed to identify and quantify radionuclides utilizing high purity germanium

detectors coupled to computerized pulse height analyzers. Given the nuclide specific activity concentrations, process flow rate, and time which the sample covered; the nuclide specific activity released to the environment can be obtained. Due to the continuous sampling process, it is assumed that the radioactive material is released to the environment at a constant rate within the sampling period. Sr-89 and Sr-90 are quantitatively analyzed by counting the digested filter precipitate with a gas flow proportional counter. Gross alpha analysis is performed using a zinc sulfide scintillation counter.

c. Tritium

Tritium grab samples are obtained from the three release points at the specified frequencies listed in Table 1 utilizing an ice bath condensation collection method. The collected sample is then analyzed utilizing a Liquid Scintillation Counter. Given the tritium concentration, process flow rate, and time period for which the sample is obtained, the tritium activity released to the environment can be determined. Due to the frequency of sampling, it is assumed that the tritium is released to the environment at a constant rate within the time period for which the sample is obtained.

2. Liquid Effluent

Representative grab samples are obtained from the appropriate sample recovery tank and analyzed prior to release of the tank in accordance with the frequencies listed in Table 2. Analysis for gamma emitting nuclides (including dissolved and entrained noble gases) is performed utilizing a high resolution germanium detector coupled to a computerized pulse height analyzer. Tritium concentration is determined utilizing a liquid scintillation counter. Sr-89 and Sr-90 are quantitatively analyzed by counting the precipitate with a gas flow proportional counter. Fe-55 is counted with a liquid scintillation counter after digestion of the iron. Gross alpha analysis is performed using a zinc sulfide scintillation counter.

Given the nuclide specific activity concentration and total volume of the tank that was released, the activity of each nuclide released to the environment can be determined.

E. Batch Releases

1. Liquid

1st and 2nd Quarter 1995

a. Number of batch releases	:	234
b. Total time period for batch releases	:	1119.83 hr
c. Maximum time period for batch releases	:	8.50 hr
d. Average time period for batch releases	:	4.79 hr
e. Minimum time period for a batch release	:	0.10 hr
f. Average stream flow during periods of release of effluent into a flowing stream	:	677,333 ft^3/sec

3rd and 4th Quarter 1995

a. Number of batch releases	:	293
b. Total time period for batch releases	:	1379.73 hr
c. Maximum time period for batch releases	:	8.50 hr
d. Average time period for batch releases	:	4.71 hr
e. Minimum time period for a batch release	:	0.37 hr
f. Average stream flow during periods of release of effluent into a flowing stream	:	349,000 ft^3/sec

2. Gaseous

All gaseous releases from River Bend Station are considered continuous releases.

F. Abnormal Releases

No abnormal releases during the reporting period of January 1, 1995 through December 31, 1995.

G. Estimate of Total Error

1. Liquid

The maximum error associated with sample collection, laboratory analysis, and discharge volume are collectively estimated to be:

Fission and Activation Products	:	$\pm$ 14.2%
Tritium	:	$\pm$ 14.2%
Dissolved and Entrained Noble Gases	:	$\pm$ 14.2%
Gross Alpha Radioactivity	:	$\pm$ 14.2%

2. Gaseous

The maximum errors (not including sample line loss) associated with sample flow, process flow, sample collection, monitor accuracy and laboratory analysis are collectively estimated to be:

Noble Gases	: ± 37.0%
Iodines	: ± 18.6%
Particulate	: ± 18.6%
Tritium	: ± 18.2%

3. Determination of Total Error

The total error (i.e., collective error due to sample collection, laboratory analysis, sample flow, process flow, monitor accuracy, etc.) is calculated using the following equation:

$$E_T = ((E_1)^2 + (E_2)^2 + \ldots(E_n)^2)^{-2}$$

where:

E_T = total error

$E_1, E_2 \ldots E_n$ = individual errors due to sample collection, laboratory analysis, sample flow, process flow, monitor accuracy, etc.

III. GASEOUS EFFLUENT SUMMARY INFORMATION

Refer to Tables 3, 4 and 5 for "Summation of All Releases" and "Nuclides Released", respectively. It should be noted that an entry of "0.00E+00" Curie (Ci) or microcurie/second (uCi/sec) in this section indicates that the concentration of the particular radionuclide was below the Lower Limit of Detection (LLD) as listed in Table 1.

IV. LIQUID EFFLUENT SUMMARY INFORMATION

Refer to Table 6 for "Summation of All Releases and Nuclides Released". It should be noted that an entry of "0.00E+00" Ci or uCi/ml in this section indicates that the concentration of the particular radionuclide was below the Lower Limit of Detection (LLD) as listed in Table 2.

V. SOLID WASTE

Refer to Table 7, for "Solid Waste and Irradiated Fuel Shipments".

VI. RADIOLOGICAL IMPACT ON MAN

The total body, skin, thyroid, and other organ doses to a member of the public from the uranium fuel cycle and direct radiation (40CFR190 compliance) calculated in accordance with the ODCM, was less than 25 mrem for the total body, skin and other organs; and less than 75 mrem for the thyroid.

Doses to the maximally exposed individual offsite was calculated using measured effluent and annual average meteorological data. These doses can be found in Tables 8 through 10.

In addition, doses were calculated for a maximally exposed member of the public inside the site boundary. Parameters and assumptions utilized to make this determination can be found in Table 11. The results of the calculations can be found in Table 12. The maximally exposed member of the public on site was the private driver who delivers an employee to work and returns later that day to pick him/her up. It should be noted that liquid effluent pathway dose was not considered since these individuals would not engage in activities that would allow exposure to this pathway.

VII. METEOROLOGICAL DATA

See Tables 13 and 14 for the cumulative joint frequency distributions and annual average data for continuous releases.

VIII. RADIOACTIVE LIQUID FFFLUENT MONITORING INSTRUMENTATION OPERABILITY

The minimum number of channels required to be OPERABLE as described in Table 3.3.11.2-1 of Technical Requirement 3.3.11.2 were, if inoperable at any time in the period 1/1/95 through 12/31/95, restored to operable status within the required time. Reporting of these inoperable channels in this report is, therefore, not required.

IX. RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION OPERABILITY

The minimum number of channels required to be OPERABLE as described in Table 3.3.11.3-1 of Technical Requirement 3.3.11.3 were, if inoperable at any time in the period 1/1/95 through 12/31/95, restored to operable status within the required time. Reporting of these inoperable channels in this report is therefore, not required.

X. LIQUID HOLD UP TANKS

The maximum quantity of radioactive material, excluding tritium and dissolved or entrained noble gases, contained in any unprotected outdoor tank during the period of 1/1/95 through 12/31/95 was less than or equal to the 10 curie limit as required by Technical Specification 5.5.8.b.

XI. RADIOLOGICAL ENVIRONMENTAL MONITORING

During the reporting period 1/1/95 through 12/31/95, the location of one environmental TLD was changed due to vandalism. Refer to Item 4 of Section XIII in this report for details.

XII. LAND USE CENSUS

The Land Use Census, as required by Technical Requirement 4.12.2, did not identify any location(s) that would yield a calculated dose or dose commitment greater than the values calculated.

XIII. OFFSITE DOSE CALCULATION MANUAL (ODCM)

A summary of the changes to the River Bend Station Offsite Dose Calculation Manual (ODCM) for the period 1/1/95 through 12/31/95 are listed below. The changes maintain the levels of radioactive effluent control required by 10CFR20, 40CFR190, 10CFR50.36.A, and 10CFR50 Appendix I. These changes do not adversely impact the accuracy or reliability of effluent, dose or set point calculations. All changes were effective on October 1, 1995.

1. River Bend Station moved the Radiological Effluent Technical Specifications in sections 3.11 and 3.12 to the Technical Requirements Manual per Generic Letter 89-01. "Technical Requirements" replaced "Technical Specifications". The following sections required this change:

   1.0, 1.2.13, 2.2.1, 2.2.2.1, 2.3.1, 2.3.2.1, 2.4.1, 2.5.1, 3.2, 3.3.1, 3.3.1.1, 3.3.1.2.1, 3.3.1.2.2, 3.3.2.1, 3.4.1.1, 3.4.1.3, 3.5.1, 3.4.1.2, 4.0, 5.0, 6.1

2. Formula 3.3.2.2-5

   Added Appendix C to the explanation of the term N_i to designate the location of this value.

3. Change Maximum Permissible Concentrations in liquid effluents to Effluent Concentration Limits. Also, changed the reference from 10CFR20 Appendix B, Table II to Table 2. The following sections required one or both of these changes:

Table of Contents , 2.2.1, 2.2.2.2, Formula 2.2.2.1-1, 2.3.1, 2.3.2.1, Formula 2.3.2.-1, Appendix A

4. Table 4.1

Changed the location of TLD TA2 approximately 100 meters west of the former location. The distance from the plant did not change.

5. Step 1.4 and Attachment 1

Changed titles to reflect current RBS organization

6. Attachment 1

Changed the Technical Specification references.

7. Step 3.4.1.2.B

Changed the methodology from Regulatory Guide 1.109 to NUREG - 0133

8. Table of Contents

Corrected a typographical error in Section H and removed Attachment 2. Attachment 2 was the Procedure Cross Reference Sheet which is no longer used at RBS.

9. Steps 1.0 and Step 3.3.2.1

In Step 1.0, completed the last sentence of the second paragraph. Added "criteria may be used". In Step 3.3.2.1, completed the thought in the last sentence of the third paragraph. Added "may be used."

10. Steps 1.0 and 6.2.3

In Step 1.0 removed Gulf States Utilities and in Step 6.2.3 changed GSU to RBS.

11. Step 1.3.5

Changed absorbers to adsorbers.

12. Step 1.5.1

Changed Semiannual to Annual Radioactive Effluent Release Report.

13. Steps 2.5.2 and 3.5.2

Removed the "Σ" symbol from the formulas. The terms that were being summed were already a summed value.

14. Steps 3.3.1, 3.3.1.2.1 and 3.3.1.2.2

Changed 10CFR20 to the TRM. The limits of Technical Requirement 3.11.2.1 and the associated set point calculations are still based on the 500 mrem/year or 3000 mrem/year rates, whichever is more conservative. These values are no longer 10CFR20 limits.

15. Formula 3.3.2.2-1

Removed the 3.17E-8 year/sec factor from the term explanation as it is not used in a previous revision.

16. Step 3.3.2.2.a.ii.Step 2

Corrected typographical error gases to gas.

17. Step 3.4.1.2.A

Changed Technical Specification number from 6.9.1.8 to 5.5.4.j due to the revised Technical Specifications approved October 1, 1995.

XIV. MAJOR CHANGES TO RADIOACTIVE LIQUID, GASEOUS, AND SOLID WASTE TREATMENT SYSTEMS

There were no major changes to the radioactive liquid, gaseous, and solid waste treatment systems for the period of 1/1/95 through 12/31/95.

XV. PROCESS CONTROL PROGRAM (PCP)

The Radwaste Process Control Program Station Procedure RWS-0204 was revised during the period of 1/1/95 through 12/31/95 to correct a minor typographical error. An earlier revision incorrectly required an "annual" instead of a "biannual" audit. This change removed "annual" and stated the audits will be performed in accordance with the Quality Assurance Audit Schedule. The Process Control Program processes were not altered by this change.

TABLE 1
RADIOACTIVE GASEOUS WASTE SAMPLING AND ANALYSIS PROGRAM

Gaseous Release Type	Sampling Frequency	Minimum Analysis Frequency	Type of Activity Analysis	Lower Limit of Detection (LLD) uCi/ml
A. Main Plant Exhaust Duct	M Grab Sample	M	Principal Gamma Emitters H-3	1.00E-04 1.00E-06
B. Fuel Building Ventilation Exhaust Duct	M Grab Sample	M	Principal Gamma Emitters H-3	1.00E-04 1.00E-06
C. Radwaste Building Ventilation Exhaust Duct	M Grab Sample	M	Principal Gamma Emitters	1.00E-04
D. All Release Types as listed in A, B, & C above	Continuous	W Charcoal Sample	I-131 I-133	1.00E-12 1.00E-10
	Continuous	W Particulate Sample	Principal Gamma Emitters (I-131, Others)	1.00E-11
	Continuous	M Composite Particulate Sample	Gross Alpha	1.00E-11
	Continuous	Q Composite Particulate Sample	Sr-89, Sr-90	1.00E-11
	Continuous	Noble Gas Monitor	Noble Gases Gross Beta or Gamma	1.00E-06

W = At least once per 7 days
M = At least once per 31 days
Q = At least once per 92 days

TABLE 2
RADIOACTIVE LIQUID WASTE SAMPLING AND ANALYSIS PROGRAM

Liquid Release Type	Sampling Frequency	Minimum Analysis Frequency	Type of Activity Analysis	Lower Limit of Detection (LLD) uCi/ml
A. Batch Waste Release (Liquid Radwaste Recovery Sample Tanks)	P Each Batch	P Each Batch	Principal Gamma Emitters: except for Ce-144 I-131	5.00E-07 5.00E-06 1.00E-06
	P One Batch/M	M	Dissolved and Entrained Gases (Gamma Emitters)	1.00E-05
	P Each Batch	M Composite	H-3 Gross Alpha	1.00E-05 1.00E-07
	P Each Batch	Q Composite	Sr-89, Sr-90 Fe-55	5.00E-08 1.00E-06

P = Prior to each radioactive release
M = At least once per 31 days
Q = At least once per 92 days

TABLE 3
Effluent and Waste Disposal Annual Report 1995 Year
Gaseous Effluent - Summation of All Releases 1/2 Quarters

	Unit	Quarter 1	Quarter 2	Estimated Total Error %
A. Noble Gases				
1. Total Release	Ci	3.039E+01	3.438E+01	3.70E+01
2. Average release rate for period	uCi/sec	3.907E+00	4.373E+00	
3. Percent of T.R. limit (1)	%	8.256E-01	6.393E-01	
B. Iodines				
1. Total I-131 and I-133				
I-131	Curies	6.436E-03	7.350E-03	18.6E+01
I-133	Curies	3.921E-02	4.506E-02	1.86E+01
2. Average release rate for period				
I-131	uCi/sec	4.115E-04	9.348E-04	
I-133	uCi/sec	2.507E-03	5.730E-03	
3. I-131 + I-133 contribution percent of T.R. limit	%	3.474E+00	3.873E+00	
C. Particulate				
1. Particulate with half lives of > 8 days	Ci	8.410E-04	5.864E-04	1.86E+01
2. Average release rate for period	uCi/sec	5.377E-05	7.458E-05	
3. Percent of T.R.limit	%	8.000E-03	7.000E-03	
4. Gross alpha radioactivity	Ci	0.00E+00	0.00E+00	
D. Tritium				
1. Total Release	Ci	6.922E-01	4.080E-01	1.82E+01
2. Average release rate for period	uCi/sec	4.426E-02	5.190E-02	
3. Percent of T.R. limit	%	2.400E-02	1.200-02	

(1) Either the gamma air dose limit of 5 mrads/qtr or beta air dose limit of 10 mrads/qtr (T.R. 3.11.2.2.a), which ever is most limiting.

TABLE 3
Effluent and Waste Disposal Annual Report 1995 Year
Gaseous Effluent - Summation of All Releases 3/4 Quarters

	Unit	Quarter 3	Quarter 4	Estimated Total Error %
A. Noble Gases				
1. Total Release	Ci	4.197E+01	5.939E+01	3.70E+01
2. Average release rate for period	uCi/sec	5.281E+00	7.471E+00	
3. Percent of T.R. limit (1)	%	1.346E+00	1.299E+00	
B. Iodines				
1. Total I-131 and I-133				
I-131	Curies	9.845E-03	1.412E-02	1.86E+01
I-133	Curies	6.388E-02	6.814E-02	1.86E+01
2. Average release rate for period				
I-131	uCi/sec	6.192E-04	1.776E-03	
I-133	uCi/sec	4.018E-03	8.572E-03	
3. I-131 + I-133 contribution percent of T.R. limit	%	5.120E+00	7.347E+00	
C. Particulate				
1. Particulate with half lives of > 8 days	Ci	1.039E-03	1.393E-03	1.82E+01
2. Average release rate for period	uCi/sec	6.534E-05	1.752E-04	
3. Percent of T.R.limit	%	6.000E-03	1.100E-02	
4. Gross alpha radioactivity	Ci	0.00E+00	0.00E+00	
D. Tritium				
1. Total Release	Ci	4.992E-01	8.430E-01	1.42E+01
2. Average release rate for period	uCi/sec	3.14E-02	1.061E-01	
3. Percent of T.R. limit	%	1.100E-02	2.000E-02	

(1) Either the gamma air dose limit of 5 mrads/qtr or beta air dose limit of 10 mrads/qtr (T.R. 3.11.2.2.a), which ever is most limiting.

TABLE 4

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 1995 YEAR
GASEOUS EFFLUENT - CONDITIONALLY ELEVATED RELEASES 1/2 QUARTERS

A. FISSION GASES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Krypton-85	Ci	0.00E+00	0.00E+00	N/A	N/A
Krypton-85M	Ci	9.97E-01	1.28E-01	N/A	N/A
Krypton-87	Ci	0.00E+00	0.00E+00	N/A	N/A
Xenon-133M	Ci	0.00E+00	0.00E+00	N/A	N/A
Xenon-133	Ci	5.53E-01	8.76E-01	N/A	N/A
Xenon-135M	Ci	5.37E+00	2.90E+00	N/A	N/A
Xenon-135	Ci	4.42E+00	7.19E+00	N/A	N/A
Xenon-137	Ci	0.00E+00	0.00E+00	N/A	N/A
Xenon-138	Ci	0.00E+00	0.00E+00	N/A	N/A
Total For Period	Ci	1.13E+01	1.11E+01	N/A	N/A

B. IODINES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Iodine-131	Ci	6.23E-03	7.18E-03	N/A	N/A
Iodine-133	Ci	3.84E-02	4.48E-02	N/A	N/A
Total For Period	Ci	4.46E-02	5.20E-02	N/A	N/A

C. PARTICULATES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Ruthenium-106	Ci	1.75E-05	0.00E+00	N/A	N/A
Cobalt-58	Ci	0.00E+00	1.43E-06	N/A	N/A
Cerium-141	Ci	2.29E-06	1.52E-05	N/A	N/A
Chromium-51	Ci	4.26E-04	7.35E-05	N/A	N/A
Barium-140	Ci	1.09E-04	2.02E-04	N/A	N/A
Cobalt-60	Ci	1.65E-05	1.39E-05	N/A	N/A
Strontium-89	Ci	2.53E-04	2.70E-04	N/A	N/A
Strontium-90	Ci	3.72E-06	1.00E-06	N/A	N/A
Total For Period	Ci	8.28E-04	5.77E-04	N/A	N/A

D. TRITIUM

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Hydrogen-3	Ci	3.64E-01	2.41E-01	N/A	N/A

Zeroes in this table indicate that no radioactivity was present at detectable levels. See Table 1 for typical Minimum Detectable Concentrations

TABLE 4

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 1995 YEAR
GASEOUS EFFLUENT - CONDITIONALLY ELEVATED RELEASES 3/4 QUARTERS

A. FISSION GASES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Argon-41	Ci	0.00E+00	6.32E-02	N/A	N/A
Krypton-85	Ci	0.00E+00	0.00E+00	N/A	N/A
Krypton-85M	Ci	1.64E+00	6.74E-01	N/A	N/A
Krypton-87	Ci	0.00E+00	1.39E+00	N/A	N/A
Krypton-88	Ci	0.00E+00	1.22E+00	N/A	N/A
Xenon-133M	Ci	0.00E+00	0.00E+00	N/A	N/A
Xenon-133	Ci	4.49E+00	8.77E+00	N/A	N/A
Xenon-135M	Ci	5.23E+00	1.47E+01	N/A	N/A
Xenon-135	Ci	4.86E+00	1.59E+01	N/A	N/A
Xenon-137	Ci	0.00E+00	0.00E+00	N/A	N/A
Xenon-138	Ci	0.00E+00	1.21E+00	N/A	N/A
Total For Period	Ci	1.62E+01	4.39E+01	N/A	N/A

B. IODINES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Iodine-131	Ci	9.70E-03	1.39E-02	N/A	N/A
Iodine-133	Ci	6.35E-02	6.78E-02	N/A	N/A
Total For Period	Ci	7.32E-02	8.17E-02	N/A	N/A

C. PARTICULATES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Antimony-124	Ci	1.35E-06	1.53E-07	N/A	N/A
Strontium-90	Ci	4.97E-06	8.16E-07	N/A	N/A
Cesium-137	Ci	1.37E-06	1.78E-06	N/A	N/A
Cobalt-58	Ci	4.48E-06	5.91E-06	N/A	N/A
Cerium-141	Ci	1.40E-05	3.00E-06	N/A	N/A
Chromium-51	Ci	3.23E-05	1.28E-06	N/A	N/A
Barium-140	Ci	5.09E-04	3.59E-04	N/A	N/A
Cobalt-60	Ci	1.55E-05	1.49E-05	N/A	N/A
Niobium-95	Ci	0.00E+00	3.03E-06	N/A	N/A
Silver-110m	Ci	0.00E+00	3.99E-05	N/A	N/A
Manganese-54	Ci	0.00E+00	6.81E-05	N/A	N/A

Ruthenium-106	Ci	0.00E+00	1.99E-04	N/A	N/A
Cerium-139	Ci	4.35E-05	5.60E-04	N/A	N/A
Strontium-89	Ci	4.05E-04	1.23E-04	N/A	N/A
Total For Period	Ci	1.03E-03	1.38E-03	N/A	N/A

D. TRITIUM

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Hydrogen-3	Ci	3.59E-01	5.97E-01	N/A	N/A

Zeroes in this table indicate that no radioactivity was present at detectable levels. See Table 1 for typical Minimum Detectable Concentrations

TABLE 5

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 1995 YEAR
GASEOUS EFFLUENT - GROUND LEVEL 1/2 QUARTERS

A. FISSION GASES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Krypton-85	Ci	0.00E+00	0.00E+00	N/A	N/A
Krypton-85M	Ci	0.00E+00	0.00E+00	N/A	N/A
Krypton-87	Ci	0.00E+00	0.00E+00	N/A	N/A
Xenon-133M	Ci	0.00E+00	5.21E-01	N/A	N/A
Xenon-133	Ci	7.04E+00	1.57E+01	N/A	N/A
Xenon-135M	Ci	2.21E+00	1.91E+00	N/A	N/A
Xenon-135	Ci	9.80E+00	5.18E+00	N/A	N/A
Xenon-137	Ci	0.00E+00	0.00E+00	N/A	N/A
Xenon-138	Ci	0.00E+00	0.00E+00	N/A	N/A
Total For Period	Ci	1.91E+01	2.33E+01	N/A	N/A

B. IODINES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Iodine-131	Ci	2.10E-04	1.75E-04	N/A	N/A
Iodine-133	Ci	8.30E-04	2.41E-04	N/A	N/A
Total For Period	Ci	1.04E-03	4.16E-04	N/A	N/A

C. PARTICULATES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Manganese-54	Ci	1.08E-06	0.00E+00	N/A	N/A
Cobalt-60	Ci	1.08E-05	9.46E-06	N/A	N/A
Strontium-89	Ci	1.39E-06	0.00E+00	N/A	N/A
Total For Period	Ci	1.32E-05	9.46E-06	N/A	N/A

D. TRITIUM

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Hydrogen-3	Ci	3.28E-01	1.67E-01	N/A	N/A

Zeroes in this table indicate that no radioactivity was present at detectable levels. See Table 1 for typical Minimum Detectable Concentrations

TABLE 5

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 1995 YEAR
GASEOUS EFFLUENT - GROUND LEVEL 3/4 QUARTERS

A. FISSION GASES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Argon-41	Ci	0.00E+00	0.00E+00	N/A	N/A
Krypton-85	Ci	0.00E+00	0.00E+00	N/A	N/A
Krypton-85M	Ci	0.00E+00	1.91E-01	N/A	N/A
Krypton-87	Ci	0.00E+00	0.00E+00	N/A	N/A
Krypton-88	Ci	0.00E+00	7.90E-01	N/A	N/A
Xenon-133M	Ci	1.35E-01	7.71E-02	N/A	N/A
Xenon-133	Ci	5.52E+00	3.07E+00	N/A	N/A
Xenon-135M	Ci	5.19E+00	1.03E+00	N/A	N/A
Xenon-135	Ci	1.49E+01	1.00E+01	N/A	N/A
Xenon-137	Ci	0.00E+00	0.00E+00	N/A	N/A
Xenon-138	Ci	0.00E+00	0.00E+00	N/A	N/A
Total For Period	Ci	2.58E+01	1.55E+01	N/A	N/A

B. IODINES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Iodine-131	Ci	1.49E-04	2.03E-04	N/A	N/A
Iodine-133	Ci	3.32E-04	3.07E-04	N/A	N/A
Total For Period	Ci	4.81E-04	5.10E-04	N/A	N/A

C. PARTICULATES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Manganese-54	Ci	6.66E-08	1.15E-06	N/A	N/A
Cobalt-60	Ci	6.47E-06	1.00E-05	N/A	N/A
Strontium-89	Ci	6.56E-08	0.00E+00	N/A	N/A
Ruthenium-103	Ci	0.00E+00	3.88E-08	N/A	N/A
Cerium-139	Ci	0.00E+00	3.31E-08	N/A	N/A
Cerium-144	Ci	0.00E+00	2.42E-07	N/A	N/A
Total For Period	Ci	6.60E-06	1.15E-05	N/A	N/A

D. TRITIUM

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Hydrogen-3	Ci	1.40E-01	2.46E-01	N/A	N/A

Zeroes in this table indicate that no radioactivity was present at detectable levels. See Table 1 for typical Minimum Detectable Concentrations

TABLE 6

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 1995 YEAR
LIQUID EFFLUENT - SUMMATION OF ALL RELEASES 1/2 QUARTERS

	Unit	Quarter 1	Quarter 2	Est. Total Error %
A. Fission and activation products				
1. Total release (not including tritium, gases, alpha)	Ci	4.042E-01	6.595E-01	1.42+01
2. Average diluted concentration during period	uCi/ml	4.900E-07	6.480E-07	
3. Percent of applicable limit (1)	%	4.540E+00	1.070E+01	
B. Tritium				
1. Total release	Ci	4.956E+00	5.877E+00	1.42E+01
2. Average diluted concentration during period	uCi/ml	6.008E-06	5.775E-06	
3. Percent of applicable limit (2)	%	2.002E-01	1.925E-01	
C. Dissolved and entrained gases				
1. Total release	Ci	1.276E-01	3.247E-01	1.42E+01
2. Average diluted concentration during period	uCi/ml	1.547E-07	3.190E-07	
3. Percent of applicable limit (3)	%	7.736E-02	1.595E-01	
D. Gross alpha radioactivity				
1. Total release	Ci	0.00E+00	0.00E+00	1.42E+01

Unit	Quarter 1	Quarter 2	Est. Total Error %
E. Volume of waste released (prior to dilution)			
Liters	5.342E+06	7.652E+06	8.73E-01
F. Volume of dilution water			
Liters	8.195E+08	1.010E+09	5.70E-01

(1) Technical Requirement 3.11.1.2 limit of 1.5 mrem to the total body and 5 mrem to any organ (most restrictive).

(2) 10CFR20, Appendix B, Table II, Column 2.

(3) Technical Requirement 3.11.1.1 limit of 2.00E-04 uCi/ml for dissolved or entrained noble gases in liquid effluent.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 1995 YEAR
LIQUID EFFLUENT 1/2 QUARTERS

A. PARTICULATES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Silver-110m	Ci	N/A	N/A	4.12E-04	6.54E-04
Arsenic-76	Ci	N/A	N/A	1.16E-05	0.00E+00
Barium-140	Ci	N/A	N/A	1.86E-02	1.25E-02
Beryllium-7	Ci	N/A	N/A	2.29E-05	0.00E+00
Cerium-141	Ci	N/A	N/A	3.09E-03	4.83E-03
Cerium-144	Ci	N/A	N/A	5.89E-05	3.91E-04
Cobalt-57	Ci	N/A	N/A	4.31E-06	5.85E-06
Cobalt-58	Ci	N/A	N/A	4.93E-03	7.36E-03
Cobalt-60	Ci	N/A	N/A	5.28E-02	8.04E-02
Chromium-51	Ci	N/A	N/A	1.30E-01	2.11E-01
Cesium-134	Ci	N/A	N/A	0.00E+00	3.36E-06
Cesium-137	Ci	N/A	N/A	2.45E-04	5.64E-04
Cesium-138	Ci	N/A	N/A	0.00E+00	0.00E+00
Iron-55	Ci	N/A	N/A	1.88E-02	8.25E-02
Iron-59	Ci	N/A	N/A	5.16E-03	9.87E-03
Iodine-131	Ci	N/A	N/A	6.04E-03	1.21E-02
Iodine-132	Ci	N/A	N/A	0.00E+00	0.00E+00
Iodine-133	Ci	N/A	N/A	1.12E-03	2.01E-03
Lanthanum-140	Ci	N/A	N/A	1.18E-01	1.68E-01
Manganese-54	Ci	N/A	N/A	3.30E-02	5.17E-02
Manganese-56	Ci	N/A	N/A	0.00E+00	0.00E+00
Molybdenum-99	Ci	N/A	N/A	2.48E-04	2.56E-04
Sodium-24	Ci	N/A	N/A	0.00E+00	0.00E+00
Niobium-95	Ci	N/A	N/A	6.49E-04	9.13E-04
Niobium-97	Ci	N/A	N/A	2.26E-04	2.16E-04
Nickel-65	Ci	N/A	N/A	0.00E+00	0.00E+00
Neptunium-239	Ci	N/A	N/A	0.00E+00	0.00E+00
Rhodium-105	Ci	N/A	N/A	1.55E-04	6.22E-04
Ruthenium-103	Ci	N/A	N/A	1.56E-03	2.17E-03
Ruthenium-105	Ci	N/A	N/A	1.84E-04	7.93E-04
Ruthenium-106	Ci	N/A	N/A	1.75E-04	5.65E-04

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 1995 YEAR
LIQUID EFFLUENT 1/2 QUARTERS

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Antimony-122	Ci	N/A	N/A	3.12E-06	2.26E-05
Antimony-124	Ci	N/A	N/A	8.14E-04	1.19E-03
Antimony-125	Ci	N/A	N/A	0.00E+00	0.00E+00
Tin-113	Ci	N/A	N/A	8.30E-05	2.47E-04
Strontium-89	Ci	N/A	N/A	3.10E-03	4.38E-03
Strontium-90	Ci	N/A	N/A	0.00E+00	0.00E+00
Strontium-92	Ci	N/A	N/A	6.82E-05	4.77E-05
Technetium-99m	Ci	N/A	N/A	1.98E-04	3.07E-04
Technetium-101	Ci	N/A	N/A	3.97E-04	4.15E-04
Tungsten-187	Ci	N/A	N/A	0.00E+00	0.00E+00
Yttrium-91	Ci	N/A	N/A	1.47E-03	0.00E+00
Yttrium-91m	Ci	N/A	N/A	0.00E+00	1.52E-05
Yttrium-92	Ci	N/A	N/A	0.00E+00	5.68E-04
Yttrium-93	Ci	N/A	N/A	0.00E+00	3.22E-08
Zinc-65	Ci	N/A	[illegible]	2.03E-03	2.31E-03
Zirconium-95	Ci	N/A	[illegible]	1.19E-04	3.97E-04
Total For Period	Ci	N/A	N/A	4.04E-01	6.60E-01

B. TRITIUM

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Hydrogen-3	Ci	N/A	N/A	4.96E+00	5.88E+00

C. DISSOLVED AND ENTRAINED GASES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Krypton-85m	Ci	N/A	N/A	0.00E+00	6.55E-06
Krypton-87	Ci	N/A	N/A	8.28E-06	0.00E+00
Krypton-88	Ci	N/A	N/A	0.00E+00	1.28E-05
Xenon-131m	Ci	N/A	N/A	5.02E-04	1.80E-03
Xenon-133	Ci	N/A	N/A	5.13E-02	1.38E-01
Xenon-133m	Ci	N/A	N/A	1.65E-03	6.04E-03
Xenon-135	Ci	N/A	N/A	7.40E-02	1.78E-01
Xenon-137	Ci	N/A	N/A	1.66E-04	1.66E-04
Total For Period	Ci	N/A	N/A	1.28E-01	3.25E-01

D. GROSS ALPHA ACTIVITY

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
Total Release	Ci	N/A	N/A	0.00E+00	0.00E+00

TABLE 6

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 1995 YEAR
LIQUID EFFLUENT - SUMMATION OF ALL RELEASES 3/4 QUARTERS

	Unit	Quarter 3	Quarter 4	Est.Total Error %
A. Fission and activation products				
1. Total release (not including tritium, gases, alpha)	Ci	3.875E-01	3.918E-01	1.42E+01
2. Average diluted concentration during period	uCi/ml	3.035E-07	2.619E-07	
3. Percent of applicable limit (1)	%	4.230E+00	3.090E+00	
B. Tritium				
1. Total release	Ci	5.227E+00	4.411E+00	1.42E+01
2. Average diluted concentration during period	uCi/ml	4.113E-06	2.949E-06	
3. Percent of applicable limit (2)	%	1.37E-01	9.831E-02	
C. Dissolved and entrained gases				
1. Total release	Ci	2.827E-01	3.838E-01	1.42E+01
2. Average diluted concentration during period	uCi/ml	2.225E-07	2.566E-07	
3. Percent of applicable limit (3)	%	1.112E-01	1.283E-01	
D. Gross alpha radioactivity				
1. Total release	Ci	0.00E+00	0.00E+00	1.42E 01

Unit	Quarter 3	Quarter 4	Est. Total Error %
E. Volume of waste released (prior to dilution)			
Liters	8.565E+6	7.805E+06	8.73E-01
F. Volume of dilution water			
Liters	1.262E+09	1.488E+09	5.70E-01

(1) Technical Requirement 3.11.1.2 limit of 1.5 mrem to the total body and 5 mrem to any organ (most restrictive).

(2) 10CFR20, Appendix B, Table II, Column 2.

(3) Technical Requirement 3.11.1.1 limit of 2.00E-04 uCi/ml for dissolved or entrained noble gases in liquid effluent.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 1995 YEAR
LIQUID EFFLUENT 3/4 QUARTERS

A. FISSION AND ACTIVATION PRODUCTS

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Silver-110m	Ci	N/A	N/A	3.01E-04	4.20E-04
Arsenic-76	Ci	N/A	N/A	3.45E-06	3.80E-05
Barium-140	Ci	N/A	N/A	3.24E-03	4.25E-03
Beryllium-7	Ci	N/A	N/A	0.00E+00	0.00E+00
Cerium-141	Ci	N/A	N/A	2.12E-03	2.78E-03
Cerium-144	Ci	N/A	N/A	1.77E-04	0.00E+00
Cobalt-57	Ci	N/A	N/A	0.00E+00	7.59E-06
Cobalt-58	Ci	N/A	N/A	3.47E-03	6.08E-03
Cobalt-60	Ci	N/A	N/A	4.47E-02	3.47E-02
Chromium-51	Ci	N/A	N/A	7.41E-02	1.08E-01
Cesium-134	Ci	N/A	N/A	7.27E-06	7.96E-06
Cesium-137	Ci	N/A	N/A	9.06E-04	8.50E-04
Copper-64	Ci	N/A	N/A	0.00E+00	9.77E-04
Iron-55	Ci	N/A	N/A	7.55E-02	7.98E-02
Iron-59	Ci	N/A	N/A	5.29E-03	9.02E-03
Iodine-131	Ci	N/A	N/A	8.70E-03	9.91E-03
Iodine-133	Ci	N/A	N/A	1.82E-03	2.30E-03
Iodine-135	Ci	N/A	N/A	2.09E-05	6.82E-05
Lanthanum-140	Ci	N/A	N/A	1.27E-01	8.84E-02
Manganese-54	Ci	N/A	N/A	2.85E-02	2.63E-02
Molybdenum-99	Ci	N/A	N/A	3.46E-04	8.18E-04
Niobium-95	Ci	N/A	N/A	3.64E-04	5.65E-04
Niobium-97	Ci	N/A	N/A	6.47E-04	3.02E-04
Neptunium-239	Ci	N/A	N/A	0.00E+00	4.78E-05
Rhodium-105	Ci	N/A	N/A	4.04E-04	1.19E-03
Ruthenium-103	Ci	N/A	N/A	1.38E-03	1.75E-03
Ruthenium-105	Ci	N/A	N/A	2.73E-04	8.30E-04
Ruthenium-106	Ci	N/A	N/A	6.33E-04	0.00E+00

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 1995 YEAR
LIQUID EFFLUENT 3/4 QUARTERS

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Antimony-122	Ci	N/A	N/A	1.11E-05	6.15E-05
Antimony-124	Ci	N/A	N/A	5.66E-04	8.97E-04
Tin-113	Ci	N/A	N/A	9.80E-05	1.64E-04
Sodium-24	Ci	N/A	N/A	9.41E-06	0.00E+00
Strontium-89	Ci	N/A	N/A	2.58E-03	2.96E-03
Strontium-90	Ci	N/A	N/A	0.00E+00	0.00E+00
Strontium-92	Ci	N/A	N/A	3.80E-05	8.11E-05
Technetium-99m	Ci	N/A	N/A	1.58E-04	7.48E-04
Technetium-101	Ci	N/A	N/A	7.88E-04	5.89E-03
Yttrium-91	Ci	N/A	N/A	0.00E+00	0.00E+00
Yttrium-91m	Ci	N/A	N/A	1.47E-05	0.00E+00
Yttrium-92	Ci	N/A	N/A	7.62E-05	4.84E-04
Yttrium-93	Ci	N/A	N/A	0.00E+00	1.32E-04
Zinc-65	Ci	N/A	N/A	1.07E-03	1.07E-03
Zirconium-95	Ci	N/A	N/A	7.28E-05	1.38E-04
Zirconium-97	Ci	N/A	N/A	3.39E-06	0.00E+00
Total For Period	Ci	N/A	N/A	3.86E-01	3.92E-01

B. TRITIUM

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Hydrogen-3	Ci	N/A	N/A	5.23E+00	4.41E+00

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 1995 YEAR
LIQUID EFFLUENT 3/4 QUARTERS

C. DISSOLVED AND ENTRAINED GASES

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Argon-41	Ci	N.A	N/A	0.00E+00	0.00E+00
Krypton-85m	Ci	N/A	N/A	0.00E+00	0.00E+00
Krypton-87	Ci	N/A	N/A	0.00E+00	0.00E+00
Krypton-88	Ci	N/A	N/A	1.05E-05	0.00E+00
Xenon-131m	Ci	N/A	N/A	6.85E-04	1.71E-03
Xenon-133	Ci	N/A	N/A	1.06E-01	1.75E-01
Xenon-133m	Ci	N/A	N/A	4.59E-03	7.75E-03
Xenon-135	Ci	N/A	N/A	1.71E-01	1.91E-01
Xenon-137	Ci	N/A	N/A	0.00E+00	9.05E-03
Total For Period	Ci	N/A	N/A	2.83E-01	3.84E-01

D. GROSS ALPHA ACTIVITY

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3	Quarter 4	Quarter 3	Quarter 4
Total Release	Ci	N/A	N/A	0.00E+00	0.00E+00

TABLE 7
Effluent and Waste Disposal Annual Report 1995 Year
Solid Waste and Irradiated Fuel Shipments
Reporting Period 01/01/95 to 12/31/95

A. Solid Waste Shipped for Burial or Disposal (Not Irradiated Fuel)

1. Type of Waste	Units	12 Month Period	Waste Class	Estimated Error %
Spent Resins, Filter Sludges, Evaporator Bottoms, Etc.	m3	1.05E+02	A-U	See Below
	Ci	3.08E+02	A-S	
Dry Compressible Wastes, Contaminated Equipment Etc.	m3	4.24E+01	A-U	See Below
	Ci	7.42E+00	A-S	
Irradiated Components Control Rods Etc.	m3	0.00E+00	N/A	N/A
	Ci	0.00E+00		
Other (None)	m3	0.00E+00	N/A	N/A
	Ci	0.00E+00		

Note: Volume considered to be the total disposal volume of the container.

Radwaste Estimated Error %:
Waste types considered are processed solid waste (i.e. resin, filter media) and non-compactible/compactible dry active waste.

1. Possible Errors
   a. Volume
   b. Representative Sampling
   c. Instrument/Counting
   d. Dose to Curie Calculations

2. Volume Error
   Level indication for processed resins can be determined to +/- 0.5 inches. This correlates to approximately 1.0%. Container manufacturer stated design tolerance allows for 1.0% deviation from container dimensions. Volume error is not applicable to dry active waste.

3. Representative Sampling Error
   Sampling error for processed resins is based upon obtaining a representative sample from the waste being processed using an iso-lock sampler. Sampling error from dry active waste is based upon obtaining a representative sample from the material being packaged. This error is estimated to be +/- 10% for all waste types, which is consistent with industry standards.

4. Instrument/Counting Error
   The error caused by sample geometry, counting time, sample activity and instrument background is estimated to be +/- 10%. The error for radiological survey instrumentation is estimated to be +/- 20%. This error is applicable to all waste types.

5. Dose to Curie Calculations Error
   The Dose to Curie method used to calculate activity suffers from analytic[illegible]acy in that certain important parameters are neglected. These parameters are geometry of pa[illegible]easuring instrument characteristics, build-up, internal attenuation effect, and external media att[illegible] An activity correction factor is applied to provide adjustment for these factors. This error is applica[illegible] all waste types.

2. Estimates of Major Nuclides by Waste Stream

Spent Resins, Filter Sludges, Evaporator Bottoms, Etc.

Isotope	Percent Abundance
Co-60	58.300
Fe-55	11.574
Mn-54	10.170
Co-58	5.277
Sr-89	3.881
Cr-51	3.328
Zn-65	2.711
Ba/La-140	1.660
Cs-137	1.068
Ni-63	.668
Fe-59	.477
Cs-134	.382
C-14	.117
Sr-90	.077
Nb-95	.070
Sb-124	.065
Ce-144	.049
H-3	.044
Ce-141	.040
Ru-103	.019
Co-57	.010
Pu-238	.001

Determined by Measurement & Correlation.
Packaged in Strong, Tight Liners.
No Solidification Agent or Absorbent Used.

Dry Compressible Waste, Contaminated Equip., Etc.

Isotope	Percent Abundance
Fe-55	54.210
Co-60	31.570
Mn-54	7.054
Zn-65	1.719
Cr-51	1.677
Fe-59	1.267
Co-58	1.230
Ni-63	.446
Cs-137	.270
Nb-95	.202
Ce-144	.115
Cs-134	.115
Ru-103	.050
Ce-141	.040
Cm-242	.004

Determined by Measurement & Correlation.
Packaged in Strong, Tight Co. [illegible]ers.
No Solidification Agent or Absorbent Used.

Irradiated Components, Control Rods, Etc.

None

Other

None

3. . Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
26	Truck	Barnwell, SC

B. Irradiated Fuel Shipments Disposition

Number of Shipments	Mode of Transportation	Destination
0	N/A	N/A

TABLE 8

Maximum Individual Doses Due to Noble Gas Releases 1995

	Critical Sector	Critical Distance	Total Body Dose* (mrad)	Skin Dose* (mrad)
1st Quarter	WNW	994m	4.13E-02	4.60E-02
2nd Quarter	WNW	994m	3.20E-02	4.41E-02
3rd Quarter	WNW	994m	6.73E-02	6.46E-02
4th Quarter	WNW	994m	6.14E-02	5.15E-02
Annual Total	WNW	994m	2.02E-01	2.06E-01

*All age groups equally exposed

TABLE 9

Maximum Individual Doses Due To Gaseous Releases (^{3}H, Radioiodine and Particulate) 1995

Significant Organ Dose (mrem)					
	Critical Sector	**Critical* Distance**	**Critical Age Group**	**Critical Organ**	**Critical Dose**
1st Quarter	WNW	994m	Child	Thyroid	2.63E-01
2nd Quarter	WNW	994m	Child	Thyroid	2.90E-01
3rd Quarter	WNW	994m	Child	Thyroid	3.85E-01
4th Quarter	WNW	994m	Child	Thyroid	5.31E-01
Annual Total	WNW	994m	Child	Thyroid	1.47E+00

*The 994m maximum individual includes a hypothetical "control cow" at 4.5 miles in the WNW sector

TABLE 10
Maximum Individual Doses (Liquid)
1995

Critical Receptor: Edge of Initial Mixing Zone

	Total Body Dose (mrem)		Significant Organ Dose (mrem)		
	Critical Age	**Dose**	**Critical Age**	**Critical Organ**	**Dose**
1st Quarter	Adult	1.22E-02	Adult	GI Tract	2.27E-01
2nd Quarter	Adult	3.20E-02	Adult	GI Tract	5.35E-01
3rd Quarter	Adult	1.34E-02	Adult	GI Tract	2.11E-01
4th Quarter	Adult	1.04E-02	Adult	GI Tract	1.55E-01
Annual Total	Adult	6.80E-02	Adult	GI Tract	1.13E+00

TABLE 11

ASSUMPTIONS/PARAMETERS FOR DOSES TO A MEMBER OF THE PUBLIC INSIDE SITE BOUNDARY

MEMBER OF THE PUBLIC	LOCATION	DISTANCE[1] METERS	SECTOR	DURATION (HR/YEAR)
Private Drivers	North Parking Lot	275	N	1.25E+02[3]
Employee Candidate	Service Building	115[2]	ENE	5.00E+00
People Entering Site Without Consent	Alligator Bayou	2500	SW	4.00E+01
Casual Drivers	Main Admin Building	500	WNW	7.60E+01[4]

(1) The approximate distance from main plant vent exhaust to location.

(2) Midpoint of building.

(3) An individual is assumed to be on site 0.25/hr in the morning and 0.25/hr in the evening, 5 days per week, 50 weeks per year.

(4) An individual is assumed to be on site 0.5 hr/day.

(5) Liquid pathways dose is not considered due to the nature of activities that individuals are engaged in.

TABLE 12

DOSES TO MEMBERS OF THE PUBLIC ON SITE FROM GASEOUS RELEASES 1995

MEMBER OF THE PUBLIC	RECEPTOR LOCATION	QUARTER	CRITICAL AGE GROUP	CRITICAL ORGAN	CRITICAL ORGAN DOSE (MREM)	TOTAL BODY DOSE (MREM)
Private Drivers	North Parking Lot at 275 m N	1st Quarter	Adult	Thyroid	3.80E-03	2.28E-03
		2nd Quarter	Adult	Thyroid	3.32E-03	1.74E-03
		3rd Quarter	Adult	Thyroid	5.74E-03	3.62E-03
		4th Quarter	Adult	Thyroid	6.31E-03	3.57E-03
		Annual Total	Adult	Thyroid	1.92E-02	1.12E-02
Employee Candidate	Services Building 115m ENE	1st Quarter	Adult	Thyroid	8.37E-04	5.54E-04
		2nd Quarter	Adult	Thyroid	7.02E-04	4.19E-04
		3rd Quarter	Adult	Thyroid	1.27E-03	8.94E-04
		4th Quarter	Adult	Thyroid	1.30E-03	8.17E-04
		Annual Total	Adult	Thyroid	4.10E-03	2.68E-03

TABLE 12

DOSES TO MEMBERS OF THE PUBLIC ON SITE FROM GASEOUS RELEASES 1995

MEMBER OF THE PUBLIC	RECEPTOR LOCATION	QUARTE	CRITICA AGE GROUP	CRITICAL ORGAN	CRITICAL ORGAN DOSE (MREM)	TOTAL BODY DOSE (MREM)
People Entering Site Without Consent	Alligator Bayou at 2500 m SW	1st Quarter	Adult	Thyroid	2.82E-05	1.56E-05
		2nd Quarter	Adult	Thyroid	2.54E-05	1.19E-05
		3rd Quarter	Adult	Thyroid	4.27E-05	2.46E-05
		4th Quarter	Adult	Thyroid	4.91E-05	2.56E-05
		Annual Total	Adult	Thyroid	1.45E-04	7.76E-05
Casual Driver	Main Admin at 500 m WNW	1st Quarter	Adult	Thyroid	1.34E-03	7.80E-04
		2nd Quarter	Adult	Thyroid	1.19E-03	5.94E-04
		3rd Quarter	Adult	Thyroid	2.03E-03	1.23E-03
		4th Quarter	Adult	Thyroid	2.27E-03	1.24E-03
		Annual Total	Adult	Thyroid	6.83E-03	3.85E-03

Table 13

Meteorological Data - Joint Frequency Tables

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 1/ 1/95 0:00 TO 3/31/95 23:00

PRIMARY SENSORS - 30 FOOT

WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	2	4	4	22	24	70	65	14	0	0	0	0	205
NNE	3	4	6	29	51	62	29	0	0	0	0	0	184
NE	8	1	5	20	41	66	12	0	0	0	0	0	153
ENE	6	15	3	13	24	29	6	0	0	0	0	0	96
E	0	13	13	15	21	13	0	0	0	0	0	0	75
ESE	2	7	11	15	15	44	7	0	0	0	0	0	101
SE	3	2	8	36	44	116	51	4	0	0	0	0	264
SSE	1	1	1	10	7	42	48	5	0	0	0	0	115
S	2	4	2	14	19	59	59	3	0	0	0	1	163
SSW	0	5	5	16	27	44	42	6	0	0	0	0	145
SW	1	1	5	10	17	31	12	0	0	0	0	0	77
WSW	2	5	8	7	14	11	9	0	1	0	0	0	57
W	4	4	5	15	16	22	6	0	0	0	0	0	72
WNW	6	12	16	18	9	23	19	0	0	0	0	0	103
NW	8	13	14	17	15	21	38	6	0	0	0	0	132
NNW	4	6	6	15	21	49	70	11	0	0	0	0	182
TOTAL	52	97	112	272	365	702	473	49	1	0	0	1	2124

NUMBER OF CALMS: 5
NUMBER OF INVALID HOURS: 31
NUMBER OF VALID HOURS: 2129
TOTAL HOURS FOR THE PERIOD: 2160

STABILITY CLASS A
FROM 1/ 1/95 0:00 TO 3/31/95 23:00

PRIMARY SENSORS - 30 FOOT

WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	1	4	0	0	0	0	0	5
ENE	0	0	0	0	0	1	0	0	0	0	0	0	1
E	0	0	0	0	1	3	0	0	0	0	0	0	4
ESE	0	0	0	1	0	8	0	0	0	0	0	0	9
SE	0	0	0	0	0	14	18	1	0	0	0	0	33
SSE	0	0	0	0	0	1	3	0	0	0	0	0	4
S	0	0	0	0	0	2	1	0	0	0	0	0	3
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	1	1	30	26	1	0	0	0	0	59

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 59
TOTAL HOURS FOR THE PERIOD: 59

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	0	1	3	0	0	0	0	4
NNE	0	0	0	1	0	2	2	0	0	0	0	0	5
NE	0	0	0	0	0	1	4	0	0	0	0	0	5
ENE	0	0	0	0	0	2	1	0	0	0	0	0	3
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	2	0	0	0	0	0	0	2
SE	0	0	0	0	1	17	3	2	0	0	0	0	23
SSE	0	0	0	0	0	3	3	0	0	0	0	0	6
S	0	0	0	0	0	1	6	0	0	0	0	0	7
SSW	0	0	0	0	0	0	2	3	0	0	0	0	5
SW	0	0	0	0	0	1	1	0	0	0	0	0	2
WSW	0	0	0	0	0	0	1	0	0	0	0	0	1
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	1	1	29	24	8	0	0	0	0	63

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 63
TOTAL HOURS FOR THE PERIOD: 63

STABILITY CLASS C

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	0	0	3	0	0	0	0	3
NNE	0	0	0	0	0	3	0	0	0	0	0	0	3
NE	0	0	0	0	0	6	2	0	0	0	0	0	8
ENE	0	0	0	0	0	2	0	0	0	0	0	0	2
E	0	0	0	0	0	2	0	0	0	0	0	0	2
ESE	0	0	0	0	1	3	0	0	0	0	0	0	4
SE	0	0	0	0	1	3	3	1	0	0	0	0	8
SSE	0	0	0	0	0	1	2	0	0	0	0	0	3
S	0	0	0	0	0	1	9	0	0	0	0	0	10
SSW	0	0	0	0	0	2	4	1	0	0	0	0	7
SW	0	0	0	0	0	1	1	0	0	0	0	0	2
WSW	0	0	0	0	0	0	2	0	0	0	0	0	2
W	0	0	0	0	0	1	0	0	0	0	0	0	1
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	4	1	0	0	0	0	5
TOTAL	0	0	0	0	2	25	27	6	0	0	0	0	60

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 60
TOTAL HOURS FOR THE PERIOD: 60

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	2	10	14	50	58	6	0	0	0	0	140
NNE	0	1	0	9	34	44	23	0	0	0	0	0	111
NE	0	0	2	7	22	42	2	0	0	0	0	0	75
ENE	0	0	0	3	13	19	5	0	0	0	0	0	40
E	0	1	1	7	12	4	0	0	0	0	0	0	25
ESE	0	0	1	2	6	16	3	0	0	0	0	0	28
SE	0	0	0	0	14	38	27	0	0	0	0	0	79
SSE	0	0	0	2	2	21	34	5	0	0	0	0	64
S	0	0	0	0	5	24	37	2	0	0	0	1	69
SSW	0	0	0	1	4	21	33	1	0	0	0	0	60
SW	0	0	0	3	8	20	9	0	0	0	0	0	40
WSW	0	1	1	2	10	8	3	0	1	0	0	0	26
W	0	0	1	10	13	18	5	0	0	0	0	0	47
WNW	0	0	1	7	6	20	19	0	0	0	0	0	53
NW	0	0	0	3	4	12	29	4	0	0	0	0	52
NNW	0	0	0	3	8	38	62	9	0	0	0	0	120
TOTAL	0	3	9	69	175	395	349	27	1	0	0	1	1029

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 1029
TOTAL HOURS FOR THE PERIOD: 1029

STABILITY CLASS E

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	11	9	19	5	2	0	0	0	0	46
NNE	0	0	2	15	16	13	4	0	0	0	0	0	50
NE	0	0	2	11	18	16	0	0	0	0	0	0	47
ENE	0	0	1	10	7	5	0	0	0	0	0	0	23
E	0	0	4	5	7	4	0	0	0	0	0	0	20
ESE	0	3	6	7	7	15	4	0	0	0	0	0	42
SE	2	0	3	28	23	42	0	0	0	0	0	0	98
SSE	0	1	0	3	5	16	6	0	0	0	0	0	31
S	1	0	1	7	14	31	6	1	0	0	0	0	61
SSW	0	2	1	11	23	20	3	1	0	0	0	0	61
SW	0	0	2	4	8	9	1	0	0	0	0	0	24
WSW	0	0	0	3	2	2	3	0	0	0	0	0	10
W	1	0	1	2	2	1	1	0	0	0	0	0	8
WNW	1	2	3	6	2	3	0	0	0	0	0	0	17
NW	0	2	4	7	10	9	9	2	0	0	0	0	43
NNW	0	1	1	8	10	11	3	1	0	0	0	0	35
TOTAL	5	11	31	138	163	216	45	7	0	0	0	0	616

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 616
TOTAL HOURS FOR THE PERIOD: 616

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	1	1	1	1	0	0	0	0	0	0	4
NNE	0	1	2	2	1	0	0	0	0	0	0	0	6
NE	1	0	1	2	1	0	0	0	0	0	0	0	5
ENE	2	3	0	0	4	0	0	0	0	0	0	0	9
E	0	1	3	2	1	0	0	0	0	0	0	0	7
ESE	2	4	4	4	0	0	0	0	0	0	0	0	14
SE	0	1	4	6	5	2	0	0	0	0	0	0	18
SSE	1	0	1	4	0	0	0	0	0	0	0	0	6
S	0	0	1	7	0	0	0	0	0	0	0	0	8
SSW	0	1	2	4	0	1	0	0	0	0	0	0	8
SW	0	0	2	3	1	0	0	0	0	0	0	0	6
WSW	0	3	5	2	1	1	0	0	0	0	0	0	12
W	1	1	2	3	1	2	0	0	0	0	0	0	10
WNW	2	4	4	5	1	0	0	0	0	0	0	0	16
NW	0	1	3	6	1	0	0	0	0	0	0	0	11
NNW	1	0	2	4	3	0	0	0	0	0	0	0	10
TOTAL	10	20	37	55	21	7	0	0	0	0	0	0	150

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 150
TOTAL HOURS FOR THE PERIOD: 150

STABILITY CLASS G

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	2	4	1	0	0	0	1	0	0	0	0	0	8
NNE	3	2	2	2	0	0	0	0	0	0	0	0	9
NE	7	1	0	0	0	0	0	0	0	0	0	0	8
ENE	4	12	2	0	0	0	0	0	0	0	0	0	18
E	0	11	5	1	0	0	0	0	0	0	0	0	17
ESE	0	0	0	1	1	0	0	0	0	0	0	0	2
SE	1	1	1	2	0	0	0	0	0	0	0	0	5
SSE	0	0	0	1	0	0	0	0	0	0	0	0	1
S	1	4	0	0	0	0	0	0	0	0	0	0	5
SSW	0	2	2	0	0	0	0	0	0	0	0	0	4
SW	1	1	1	0	0	0	0	0	0	0	0	0	3
WSW	2	1	2	0	1	0	0	0	0	0	0	0	6
W	2	3	1	0	0	0	0	0	0	0	0	0	6
WNW	3	6	8	0	0	0	0	0	0	0	0	0	17
NW	8	10	7	1	0	0	0	0	0	0	0	0	26
NNW	3	5	3	0	0	0	1	0	0	0	0	0	12
TOTAL	37	63	35	8	2	0	2	0	0	0	0	0	147

NUMBER OF CALMS: 5
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 152
TOTAL HOURS FOR THE PERIOD: 152

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	4	6	26	104	38	13	0	0	0	191
NNE	0	1	0	0	11	49	94	11	0	0	0	0	166
NE	0	0	0	3	3	27	112	17	2	0	0	0	164
ENE	0	0	0	4	4	19	70	17	1	0	0	0	115
E	0	0	0	2	6	14	22	3	1	0	0	0	48
ESE	0	1	1	2	3	14	102	88	19	3	0	0	233
SE	0	0	0	2	0	9	88	40	7	2	0	0	148
SSE	0	0	0	1	2	13	73	28	5	0	0	0	122
S	0	0	0	6	1	25	93	15	2	0	0	0	142
SSW	0	0	0	1	6	28	83	22	6	0	0	0	146
SW	0	0	1	4	3	18	63	6	0	0	0	0	95
WSW	0	0	1	3	11	33	30	5	2	0	0	0	85
W	0	0	1	4	16	39	45	4	1	0	0	0	110
WNW	0	1	0	7	4	18	32	21	1	0	0	0	84
NW	0	0	1	3	2	28	58	21	10	0	0	0	123
NNW	0	0	0	1	4	21	85	35	11	0	0	0	157
TOTAL	0	3	5	47	82	381	1154	371	81	5	0	0	2129

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 31
NUMBER OF VALID HOURS: 2129
TOTAL HOURS FOR THE PERIOD: 2160

STABILITY CLASS A

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	1	0	0	1	0	0	0	0	2
NE	0	0	0	0	0	0	2	2	0	0	0	0	4
ENE	0	0	0	0	0	0	1	1	0	0	0	0	2
E	0	0	0	0	0	0	3	0	0	0	0	0	3
ESE	0	0	0	0	0	0	9	17	2	1	0	0	29
SE	0	0	0	0	0	0	9	4	2	0	0	0	15
SSE	0	0	0	0	0	0	2	0	0	0	0	0	2
S	0	0	0	0	0	0	2	0	0	0	0	0	2
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	1	0	28	25	4	1	0	0	59

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 59
TOTAL HOURS FOR THE PERIOD: 59

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	0	0	1	3	0	0	0	4
NNE	0	0	0	0	1	0	3	0	0	0	0	0	4
NE	0	0	0	0	0	0	2	4	0	0	0	0	6
ENE	0	0	0	0	0	0	2	1	0	0	0	0	3
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	2	11	3	0	1	0	0	17
SE	0	0	0	0	0	1	8	2	0	1	0	0	12
SSE	0	0	0	0	0	0	0	6	0	0	0	0	6
S	0	0	0	0	0	0	2	1	0	0	0	0	3
SSW	0	0	0	0	0	0	1	1	3	0	0	0	5
SW	0	0	0	0	0	0	1	1	0	0	0	0	2
WSW	0	0	0	0	0	0	0	1	0	0	0	0	1
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	1	3	30	21	6	2	0	0	63

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 63
TOTAL HOURS FOR THE PERIOD: 63

STABILITY CLASS C

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	0	0	0	1	0	0	0	1
NNE	0	0	0	0	0	0	2	0	0	0	0	0	2
NE	0	0	0	0	0	0	8	0	1	0	0	0	9
ENE	0	0	0	0	0	0	3	0	0	0	0	0	3
E	0	0	0	0	0	0	2	1	0	0	0	0	3
ESE	0	0	0	0	0	1	3	1	0	0	0	0	5
SE	0	0	0	0	0	0	4	1	0	1	0	0	6
SSE	0	0	0	0	0	0	1	4	0	0	0	0	5
S	0	0	0	0	0	1	4	2	0	0	0	0	7
SSW	0	0	0	0	0	0	4	2	1	0	0	0	7
SW	0	0	0	0	0	1	1	0	0	0	0	0	2
WSW	0	0	0	0	0	0	1	0	0	0	0	0	1
W	0	0	0	0	0	0	2	0	0	0	0	0	2
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	2	0	0	0	0	2
NNW	0	0	0	0	0	0	0	2	3	0	0	0	5
TOTAL	0	0	0	0	0	3	35	15	6	1	0	0	60

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 60
TOTAL HOURS FOR THE PERIOD: 60

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	4	6	15	64	33	8	0	0	0	130
NNE	0	1	0	0	5	31	60	8	0	0	0	0	105
NE	0	0	0	2	3	15	55	7	1	0	0	0	83
ENE	0	0	0	1	1	7	36	6	1	0	0	0	52
E	0	0	0	1	2	3	11	0	1	0	0	0	18
ESE	0	0	1	0	1	6	25	21	6	1	0	0	61
SE	0	0	0	0	0	2	18	29	5	0	0	0	54
SSE	0	0	0	0	1	4	39	16	5	0	0	0	65
S	0	0	0	1	0	9	38	11	1	0	0	0	60
SSW	0	0	0	1	1	14	24	19	1	0	0	0	60
SW	0	0	0	1	1	5	27	4	0	0	0	0	38
WSW	0	0	0	1	3	14	17	1	1	0	0	0	37
W	0	0	0	2	7	17	28	4	1	0	0	0	59
WNW	0	0	0	4	3	5	12	20	1	0	0	0	45
NW	0	0	0	1	1	8	30	13	8	0	0	0	61
NNW	0	0	0	0	2	9	53	31	6	0	0	0	101
TOTAL	0	1	1	19	37	164	537	223	46	1	0	0	1029

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 1029
TOTAL HOURS FOR THE PERIOD: 1029

STABILITY CLASS E

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	7	30	4	1	0	0	0	42
NNE	0	0	0	0	3	15	24	2	0	0	0	0	44
NE	0	0	0	1	0	9	38	4	0	0	0	0	52
ENE	0	0	0	1	2	10	20	6	0	0	0	0	39
E	0	0	0	0	3	4	4	2	0	0	0	0	13
ESE	0	0	0	0	2	5	40	39	11	0	0	0	97
SE	0	0	0	2	0	3	33	4	0	0	0	0	42
SSE	0	0	0	1	1	3	25	2	0	0	0	0	32
S	0	0	0	2	0	11	41	1	1	0	0	0	56
SSW	0	0	0	0	1	9	46	0	1	0	0	0	57
SW	0	0	1	0	0	5	27	1	0	0	0	0	34
WSW	0	0	0	0	5	5	4	3	1	0	0	0	18
W	0	0	1	1	1	7	3	0	0	0	0	0	13
WNW	0	0	0	0	0	3	5	1	0	0	0	0	9
NW	0	0	0	0	1	7	17	6	2	0	0	0	33
NNW	0	0	0	0	1	8	22	2	2	0	0	0	35
TOTAL	0	0	2	8	20	111	379	77	19	0	0	0	616

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 616
TOTAL HOURS FOR THE PERIOD: 616

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	2	6	0	0	0	0	0	8
NNE	0	0	0	0	0	0	3	0	0	0	0	0	3
NE	0	0	0	0	0	2	3	0	0	0	0	0	5
ENE	0	0	0	0	0	0	6	3	0	0	0	0	9
E	0	0	0	0	0	3	1	0	0	0	0	0	4
ESE	0	1	0	0	0	0	10	5	0	0	0	0	16
SE	0	0	0	0	0	0	13	0	0	0	0	0	13
SSE	0	0	0	0	0	2	4	0	0	0	0	0	6
S	0	0	0	0	0	4	6	0	0	0	0	0	10
SSW	0	0	0	0	3	3	5	0	0	0	0	0	11
SW	0	0	0	1	0	4	4	0	0	0	0	0	9
WSW	0	0	1	1	2	5	7	0	0	0	0	0	16
W	0	0	0	0	2	4	6	0	0	0	0	0	12
WNW	0	0	0	1	0	2	6	0	0	0	0	0	9
NW	0	0	0	0	0	4	7	0	0	0	0	0	11
NNW	0	0	0	1	0	0	7	0	0	0	0	0	8
TOTAL	0	1	1	4	7	35	94	8	0	0	0	0	150

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 150
TOTAL HOURS FOR THE PERIOD: 150

STABILITY CLASS G

FROM 1/ 1/95 0:00 TO 3/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	2	4	0	0	0	0	0	6
NNE	0	0	0	0	1	3	2	0	0	0	0	0	6
NE	0	0	0	0	0	1	4	0	0	0	0	0	5
ENE	0	0	0	2	1	2	2	0	0	0	0	0	7
E	0	0	0	1	1	4	1	0	0	0	0	0	7
ESE	0	0	0	2	0	0	4	2	0	0	0	0	8
SE	0	0	0	0	0	3	3	0	0	0	0	0	6
SSE	0	0	0	0	0	4	2	0	0	0	0	0	6
S	0	0	0	3	1	0	0	0	0	0	0	0	4
SSW	0	0	0	0	1	2	3	0	0	0	0	0	6
SW	0	0	0	2	2	3	3	0	0	0	0	0	10
WSW	0	0	0	1	1	9	1	0	0	0	0	0	12
W	0	0	0	1	6	11	6	0	0	0	0	0	24
WNW	0	1	0	2	1	8	9	0	0	0	0	0	21
NW	0	0	1	2	0	9	4	0	0	0	0	0	16
NNW	0	0	0	0	1	4	3	0	0	0	0	0	8
TOTAL	0	1	1	16	16	65	51	2	0	0	0	0	152

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 152
TOTAL HOURS FOR THE PERIOD: 152

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	22	11	14	29	26	44	26	0	0	0	0	0	172
NNE	19	9	14	32	22	23	8	0	0	0	0	0	127
NE	20	12	15	23	37	24	1	0	0	0	0	0	132
ENE	14	12	17	18	14	29	1	0	0	0	0	0	105
E	9	16	14	17	10	8	0	0	0	0	0	0	74
ESE	1	16	20	29	17	30	0	0	0	0	0	0	113
SE	0	12	20	63	40	38	8	0	0	0	0	0	181
SSE	4	11	8	38	49	105	82	2	0	0	0	0	299
S	0	4	5	32	62	94	116	7	0	0	0	0	320
SSW	4	6	4	19	23	33	21	2	0	0	0	0	112
SW	2	5	4	13	20	12	5	0	0	0	0	0	61
WSW	5	11	8	8	14	13	1	0	0	0	0	0	60
W	3	11	8	16	14	9	0	0	0	0	0	0	61
WNW	12	11	9	13	8	15	1	0	0	0	0	0	69
NW	19	21	24	16	17	22	3	0	0	0	0	0	122
NNW	20	16	7	22	24	39	19	0	0	0	0	0	147
TOTAL	154	184	191	388	397	538	292	11	0	0	0	0	2155

NUMBER OF CALMS: 10
NUMBER OF INVALID HOURS: 19
NUMBER OF VALID HOURS: 2165
TOTAL HOURS FOR THE PERIOD: 2184

STABILITY CLASS A

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	4	3	0	0	0	0	0	7
NNE	0	0	0	0	0	2	2	0	0	0	0	0	4
NE	0	0	0	0	1	6	0	0	0	0	0	0	7
ENE	0	0	0	0	1	9	0	0	0	0	0	0	10
E	0	0	0	0	0	4	0	0	0	0	0	0	4
ESE	0	0	0	0	1	2	0	0	0	0	0	0	3
SE	0	0	0	0	0	3	3	0	0	0	0	0	6
SSE	0	0	0	0	1	5	3	0	0	0	0	0	9
S	0	0	0	0	0	4	17	0	0	0	0	0	21
SSW	0	0	0	0	0	1	8	0	0	0	0	0	9
SW	0	0	0	0	0	0	1	0	0	0	0	0	1
WSW	0	0	0	0	3	5	0	0	0	0	0	0	8
W	0	0	0	1	0	2	0	0	0	0	0	0	3
WNW	0	0	0	0	1	4	0	0	0	0	0	0	5
NW	0	0	0	0	0	3	0	0	0	0	0	0	3
NNW	0	0	0	0	0	4	2	0	0	0	0	0	6
TOTAL	0	0	0	1	8	58	39	0	0	0	0	0	106

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 106
TOTAL HOURS FOR THE PERIOD: 106

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22 .50	.51- .75	.76- 1.0	1.1- 1.5	1.6- 2.0	2.1- 3.0	3.1- 5.0	5.1- 7.0	7.1- 10.0	10.1- 13.0	13.1- 18.0	>18	TOT.
N	0	0	0	0	3	16	7	0	0	0	0	0	26
NNE	0	0	0	0	1	10	1	0	0	0	0	0	12
NE	0	0	0	0	5	6	0	0	0	0	0	0	11
ENE	0	0	0	0	0	5	0	0	0	0	0	0	5
E	0	0	0	0	0	1	0	0	0	0	0	0	1
ESE	0	0	0	0	3	4	0	0	0	0	0	0	7
SE	0	0	0	1	1	6	0	0	0	0	0	0	8
SSE	0	0	0	1	4	11	10	1	0	0	0	0	27
S	0	0	0	1	2	12	38	1	0	0	0	0	54
SSW	0	0	0	0	2	5	5	1	0	0	0	0	13
SW	0	0	0	0	4	6	2	0	0	0	0	0	12
WSW	0	0	1	0	6	4	0	0	0	0	0	0	11
W	0	0	0	0	6	2	0	0	0	0	0	0	8
WNW	0	0	0	1	2	4	0	0	0	0	0	0	7
NW	0	0	0	1	4	3	0	0	0	0	0	0	8
NNW	0	0	0	0	3	9	4	0	0	0	0	0	16
TOTAL	0	0	1	5	46	104	67	3	0	0	0	0	226

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 226
TOTAL HOURS FOR THE PERIOD: 226

STABILITY CLASS C

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22- .50	.51- .75	.76- 1.0	1.1- 1.5	1.6- 2.0	2.1- 3.0	3.1- 5.0	5.1- 7.0	7.1- 10.0	10.1- 13.0	13.1- 18.0	>18	TOT.
N	0	0	0	0	3	5	4	0	0	0	0	0	12
NNE	0	0	0	0	4	1	2	0	0	0	0	0	7
NE	0	0	0	1	3	0	0	0	0	0	0	0	4
ENE	0	0	0	0	1	2	1	0	0	0	0	0	4
E	0	0	0	1	2	1	0	0	0	0	0	0	4
ESE	0	0	0	1	2	2	0	0	0	0	0	0	5
SE	0	0	0	0	2	4	0	0	0	0	0	0	6
SSE	0	0	0	0	4	9	8	0	0	0	0	0	21
S	0	0	0	0	1	3	8	0	0	0	0	0	12
SSW	0	0	0	0	1	4	1	0	0	0	0	0	6
SW	0	0	0	1	1	2	1	0	0	0	0	0	5
WSW	0	0	0	1	3	0	0	0	0	0	0	0	4
W	0	0	0	0	1	0	0	0	0	0	0	0	1
WNW	0	0	0	0	0	1	0	0	0	0	0	0	1
NW	0	0	0	0	2	3	0	0	0	0	0	0	5
NNW	0	0	0	0	2	4	1	0	0	0	0	0	7
TOTAL	0	0	0	5	32	41	26	0	0	0	0	0	104

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 104
TOTAL HOURS FOR THE PERIOD: 104

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	2	2	1	2	13	13	12	0	0	0	0	0	45
NNE	0	0	2	8	6	7	3	0	0	0	0	0	26
NE	0	1	3	11	15	7	1	0	0	0	0	0	38
ENE	0	1	0	10	7	9	0	0	0	0	0	0	27
E	0	0	2	9	5	2	0	0	0	0	0	0	18
ESE	0	0	3	14	8	19	0	0	0	0	0	0	44
SE	0	0	1	28	25	15	4	0	0	0	0	0	73
SSE	0	0	1	7	15	51	50	1	0	0	0	0	125
S	0	0	0	4	12	36	45	6	0	0	0	0	103
SSW	0	0	0	5	10	20	7	1	0	0	0	0	43
SW	0	0	0	5	11	3	1	0	0	0	0	0	20
WSW	0	1	2	2	1	3	1	0	0	0	0	0	10
W	0	1	2	13	5	4	0	0	0	0	0	0	25
WNW	0	1	0	7	5	5	1	0	0	0	0	0	19
NW	0	0	1	7	8	7	3	0	0	0	0	0	26
NNW	0	0	1	5	9	14	10	0	0	0	0	0	39
TOTAL	2	7	19	137	155	215	138	8	0	0	0	0	681

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 681
TOTAL HOURS FOR THE PERIOD: 681

STABILITY CLASS E

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	1	1	3	12	7	5	0	0	0	0	0	0	29
NNE	1	0	7	11	11	3	0	0	0	0	0	0	33
NE	0	2	7	5	13	5	0	0	0	0	0	0	32
ENE	0	3	9	6	4	4	0	0	0	0	0	0	26
E	0	5	3	5	3	0	0	0	0	0	0	0	16
ESE	0	9	15	10	2	3	0	0	0	0	0	0	39
SE	0	7	14	28	12	10	1	0	0	0	0	0	72
SSE	0	7	4	25	22	28	11	0	0	0	0	0	97
S	0	2	3	20	41	39	8	0	0	0	0	0	113
SSW	0	3	3	13	10	2	0	0	0	0	0	0	31
SW	0	1	1	7	4	0	0	0	0	0	0	0	13
WSW	3	5	4	4	1	0	0	0	0	0	0	0	17
W	1	3	4	1	0	1	0	0	0	0	0	0	10
WNW	0	1	4	3	0	1	0	0	0	0	0	0	9
NW	2	0	3	5	2	6	0	0	0	0	0	0	18
NNW	1	2	1	8	7	7	2	0	0	0	0	0	28
TOTAL	9	51	85	163	139	114	22	0	0	0	0	0	583

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 583
TOTAL HOURS FOR THE PERIOD: 583

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	3	3	8	0	1	0	0	0	0	0	0	15
NNE	0	2	1	12	0	0	0	0	0	0	0	0	15
NE	1	5	3	3	0	0	0	0	0	0	0	0	12
ENE	1	5	5	2	1	0	0	0	0	0	0	0	14
E	3	5	5	2	0	0	0	0	0	0	0	0	15
ESE	0	4	2	4	1	0	0	0	0	0	0	0	11
SE	0	2	3	6	0	0	0	0	0	0	0	0	11
SSE	4	4	2	5	3	1	0	0	0	0	0	0	19
S	0	1	1	6	6	0	0	0	0	0	0	0	14
SSW	4	1	1	1	0	1	0	0	0	0	0	0	8
SW	0	2	2	0	0	1	0	0	0	0	0	0	5
WSW	1	3	0	0	0	0	0	0	0	0	0	0	4
W	0	4	1	1	2	0	0	0	0	0	0	0	8
WNW	2	4	3	2	0	0	0	0	0	0	0	0	11
NW	1	2	6	2	1	0	0	0	0	0	0	0	12
NNW	0	4	2	2	1	1	0	0	0	0	0	0	10
TOTAL	17	51	40	56	15	5	0	0	0	0	0	0	184

NUMBER OF CALMS: 1
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 185
TOTAL HOURS FOR THE PERIOD: 185

STABILITY CLASS G

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	19	5	7	7	0	0	0	0	0	0	0	0	38
NNE	18	7	4	1	0	0	0	0	0	0	0	0	30
NE	19	4	2	3	0	0	0	0	0	0	0	0	28
ENE	13	3	3	0	0	0	0	0	0	0	0	0	19
E	6	6	4	0	0	0	0	0	0	0	0	0	16
ESE	1	3	0	0	0	0	0	0	0	0	0	0	4
SE	0	3	2	0	0	0	0	0	0	0	0	0	5
SSE	0	0	1	0	0	0	0	0	0	0	0	0	1
S	0	1	1	1	0	0	0	0	0	0	0	0	3
SSW	0	2	0	0	0	0	0	0	0	0	0	0	2
SW	2	2	1	0	0	0	0	0	0	0	0	0	5
WSW	1	2	1	1	0	1	0	0	0	0	0	0	6
W	2	3	1	0	0	0	0	0	0	0	0	0	6
WNW	10	5	2	0	0	0	0	0	0	0	0	0	17
NW	16	19	14	1	0	0	0	0	0	0	0	0	50
NNW	19	10	3	7	2	0	0	0	0	0	0	0	41
TOTAL	126	75	46	21	2	1	0	0	0	0	0	0	271

NUMBER OF CALMS: 9
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 280
TOTAL HOURS FOR THE PERIOD: 280

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	2	2	1	3	7	32	68	4	0	0	0	0	119
NNE	0	0	1	5	11	38	43	1	0	0	0	0	99
NE	0	0	2	4	11	41	77	4	0	0	0	0	139
ENE	0	0	4	11	20	54	53	25	2	0	0	0	169
E	0	0	0	8	29	31	21	25	2	0	0	0	116
ESE	0	0	2	10	12	57	115	17	6	0	0	0	219
SE	0	0	2	7	10	46	103	25	2	0	0	0	195
SSE	0	0	3	3	9	51	100	42	0	0	0	0	208
S	0	0	1	4	19	69	155	60	5	0	0	0	313
SSW	0	0	1	4	16	55	75	6	2	0	0	0	159
SW	0	1	1	10	13	23	16	4	0	0	0	0	68
WSW	0	1	1	5	9	33	8	1	0	0	0	0	58
W	0	0	1	4	16	28	14	0	0	0	0	0	63
WNW	0	1	1	6	12	17	15	2	0	0	0	0	54
NW	0	1	1	4	11	21	37	1	0	0	0	0	76
NNW	0	1	2	6	14	28	49	10	0	0	0	0	110
TOTAL	2	7	24	94	219	624	949	227	19	0	0	0	2165

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 19
NUMBER OF VALID HOURS: 2165
TOTAL HOURS FOR THE PERIOD: 2184

STABILITY CLASS A

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	0	6	1	0	0	0	0	7
NNE	0	0	0	0	0	0	4	0	0	0	0	0	4
NE	0	0	0	0	0	0	3	0	0	0	0	0	3
ENE	0	0	0	0	0	0	10	5	0	0	0	0	15
E	0	0	0	0	0	0	2	3	0	0	0	0	5
ESE	0	0	0	0	0	0	4	2	1	0	0	0	7
SE	0	0	0	0	0	2	3	1	0	0	0	0	6
SSE	0	0	0	0	0	1	6	0	0	0	0	0	7
S	0	0	0	0	0	0	9	11	0	0	0	0	20
SSW	0	0	0	0	0	0	5	1	0	0	0	0	6
SW	0	0	0	0	0	2	0	1	0	0	0	0	3
WSW	0	0	0	0	0	5	0	0	0	0	0	0	5
W	0	0	0	1	0	5	1	0	0	0	0	0	7
WNW	0	0	0	0	0	2	1	0	0	0	0	0	3
NW	0	0	0	0	0	0	3	0	0	0	0	0	3
NNW	0	0	0	0	0	0	4	1	0	0	0	0	5
TOTAL	0	0	0	1	0	17	61	26	1	0	0	0	106

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 106
TOTAL HOURS FOR THE PERIOD: 106

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	8	13	2	0	0	0	0	23
NNE	0	0	0	0	0	4	4	1	0	0	0	0	9
NE	0	0	0	0	0	4	9	0	0	0	0	0	13
ENE	0	0	0	0	0	2	4	1	1	0	0	0	8
E	0	0	0	0	0	0	3	0	0	0	0	0	3
ESE	0	0	0	0	0	4	6	0	0	0	0	0	10
SE	0	0	0	0	1	4	8	2	0	0	0	0	15
SSE	0	0	0	1	0	2	14	6	0	0	0	0	23
S	0	0	0	0	0	5	20	19	1	0	0	0	45
SSW	0	0	0	0	0	3	9	2	1	0	0	0	15
SW	0	0	0	1	1	4	5	1	0	0	0	0	12
WSW	0	0	0	0	1	7	3	0	0	0	0	0	11
W	0	0	0	0	1	4	2	0	0	0	0	0	7
WNW	0	0	0	0	3	2	2	0	0	0	0	0	7
NW	0	0	0	0	3	4	4	0	0	0	0	0	11
NNW	0	0	0	0	0	7	6	1	0	0	0	0	14
TOTAL	0	0	0	2	10	64	112	35	3	0	0	0	226

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 226
TOTAL HOURS FOR THE PERIOD: 226

STABILITY CLASS C

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	1	7	0	0	0	0	0	8
NNE	0	0	0	0	1	6	2	0	0	0	0	0	9
NE	0	0	0	1	0	2	2	0	0	0	0	0	5
ENE	0	0	0	0	0	2	1	1	1	0	0	0	5
E	0	0	0	0	2	1	2	1	0	0	0	0	6
ESE	0	0	0	0	0	2	3	1	0	0	0	0	6
SE	0	0	0	0	0	4	4	1	1	0	0	0	10
SSE	0	0	0	0	0	1	6	5	0	0	0	0	12
S	0	0	0	0	1	1	8	4	0	0	0	0	14
SSW	0	0	0	0	0	2	3	0	0	0	0	0	5
SW	0	0	0	0	1	2	1	1	0	0	0	0	5
WSW	0	0	0	0	1	3	0	0	0	0	0	0	4
W	0	0	0	0	1	0	0	0	0	0	0	0	1
WNW	0	0	0	0	0	3	1	0	0	0	0	0	4
NW	0	0	0	0	0	1	2	0	0	0	0	0	3
NNW	0	0	0	0	0	2	4	1	0	0	0	0	7
TOTAL	0	0	0	1	7	33	46	15	2	0	0	0	104

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 104
TOTAL HOURS FOR THE PERIOD: 104

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	2	0	1	0	2	10	18	0	0	0	0	0	33
NNE	0	0	1	1	5	10	9	0	0	0	0	0	26
NE	0	0	0	1	4	11	13	4	0	0	0	0	33
ENE	0	0	0	3	10	14	11	9	0	0	0	0	47
E	0	0	0	3	4	6	8	18	2	0	0	0	41
ESE	0	0	1	7	6	17	32	8	3	0	0	0	74
SE	0	0	0	3	5	10	33	16	0	0	0	0	67
SSE	0	0	1	1	1	10	41	27	0	0	0	0	81
S	0	0	0	0	9	9	44	26	4	0	0	0	92
SSW	0	0	0	0	6	15	24	2	1	0	0	0	48
SW	0	0	0	2	6	5	4	1	0	0	0	0	18
WSW	0	0	1	1	5	5	4	1	0	0	0	0	17
W	0	0	0	1	5	10	6	0	0	0	0	0	22
WNW	0	0	0	0	4	5	5	2	0	0	0	0	16
NW	0	1	0	1	4	6	16	1	0	0	0	0	29
NNW	0	0	1	1	8	9	13	5	0	0	0	0	37
TOTAL	2	1	6	25	84	152	281	120	10	0	0	0	681

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 681
TOTAL HOURS FOR THE PERIOD: 681

STABILITY CLASS E

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	2	0	0	1	8	10	0	0	0	0	0	21
NNE	0	0	0	2	0	7	13	0	0	0	0	0	22
NE	0	0	1	2	5	11	18	0	0	0	0	0	37
ENE	0	0	1	6	5	17	16	9	0	0	0	0	54
E	0	0	0	2	9	7	3	3	0	0	0	0	24
ESE	0	0	1	2	1	18	52	6	2	0	0	0	82
SE	0	0	1	1	4	14	37	5	1	0	0	0	63
SSE	0	0	1	1	2	17	27	4	0	0	0	0	52
S	0	0	0	1	3	30	69	0	0	0	0	0	103
SSW	0	0	0	2	3	21	24	1	0	0	0	0	51
SW	0	0	0	2	1	2	5	0	0	0	0	0	10
WSW	0	0	0	3	2	3	0	0	0	0	0	0	8
W	0	0	0	1	4	7	3	0	0	0	0	0	15
WNW	0	0	0	3	1	1	1	0	0	0	0	0	6
NW	0	0	0	1	1	3	9	0	0	0	0	0	14
NNW	0	0	0	0	1	7	12	1	0	0	0	0	21
TOTAL	0	2	5	29	43	173	299	29	3	0	0	0	583

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 583
TOTAL HOURS FOR THE PERIOD: 583

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 4/ 1/95 0:00 TO 6/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	1	0	2	7	0	0	0	0	0	10
NNE	0	0	0	0	3	4	6	0	0	0	0	0	13
NE	0	0	1	0	0	4	13	0	0	0	0	0	18
ENE	0	0	0	0	1	9	5	0	0	0	0	0	15
E	0	0	0	1	7	7	3	0	0	0	0	0	18
ESE	0	0	0	0	2	6	12	0	0	0	0	0	20
SE	0	0	0	2	0	8	14	0	0	0	0	0	24
SSE	0	0	1	0	0	8	2	0	0	0	0	0	11
S	0	0	0	0	3	6	5	0	0	0	0	0	14
SSW	0	0	0	1	1	3	7	0	0	0	0	0	12
SW	0	0	0	1	1	2	1	0	0	0	0	0	5
WSW	0	0	0	1	0	3	0	0	0	0	0	0	4
W	0	0	0	1	3	1	1	0	0	0	0	0	6
WNW	0	0	0	2	1	2	1	0	0	0	0	0	6
NW	0	0	0	0	1	1	2	0	0	0	0	0	4
NNW	0	0	0	1	2	0	1	1	0	0	0	0	5
TOTAL	0	0	2	11	25	66	80	1	0	0	0	0	185

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 185
TOTAL HOURS FOR THE PERIOD: 185

STABILITY CLASS G

FROM 4/ 1/95 0.00 TO 6/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	2	4	3	7	1	0	0	0	0	17
NNE	0	0	0	2	2	7	5	0	0	0	0	0	16
NE	0	0	0	0	2	9	19	0	0	0	0	0	30
ENE	0	0	3	2	4	10	6	0	0	0	0	0	25
E	0	0	0	2	7	10	0	0	0	0	0	0	19
ESE	0	0	0	1	3	10	6	0	0	0	0	0	20
SE	0	0	1	1	0	4	4	0	0	0	0	0	10
SSE	0	0	0	0	6	12	4	0	0	0	0	0	22
S	0	0	1	3	3	18	0	0	0	0	0	0	25
SSW	0	0	1	1	6	11	3	0	0	0	0	0	22
SW	0	1	1	4	3	6	0	0	0	0	0	0	15
WSW	0	1	0	0	0	7	1	0	0	0	0	0	9
W	0	0	1	0	2	1	1	0	0	0	0	0	5
WNW	0	1	1	1	3	2	4	0	0	0	0	0	12
NW	0	0	1	2	2	6	1	0	0	0	0	0	12
NNW	0	1	1	4	3	3	9	0	0	0	0	0	21
TOTAL	0	4	11	25	50	119	70	1	0	0	0	0	280

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 280
TOTAL HOURS FOR THE PERIOD: 280

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	15	14	23	45	41	47	11	0	0	0	0	0	196
NNE	8	13	29	83	44	43	7	0	0	0	0	0	227
NE	19	8	33	43	51	28	1	0	0	0	0	0	183
ENE	8	14	26	29	23	33	3	0	0	0	0	0	136
E	4	18	12	26	11	6	1	0	0	0	0	0	78
ESE	4	13	8	22	14	5	1	0	0	0	0	0	67
SE	1	10	20	20	15	32	13	0	0	0	0	0	111
SSE	2	8	13	23	20	27	14	0	0	0	0	0	107
S	2	9	4	20	8	21	34	0	0	0	0	0	98
SSW	3	5	15	33	24	18	9	0	0	0	0	0	107
SW	1	8	9	31	12	12	0	0	0	0	0	0	73
WSW	0	6	14	20	12	13	0	0	0	0	0	0	65
W	6	19	13	20	26	42	0	0	0	0	0	0	126
WNW	9	36	15	18	22	32	1	0	0	0	0	0	133
NW	16	47	38	41	28	24	4	0	0	0	0	0	198
NNW	20	27	20	32	41	49	11	0	0	0	0	0	200
TOTAL	118	255	292	506	392	432	110	0	0	0	0	0	2105

NUMBER OF CALMS: 7
NUMBER OF INVALID HOURS: 96
NUMBER OF VALID HOURS: 2112
TOTAL HOURS FOR THE PERIOD: 2208

STABILITY CLASS A

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	3	0	0	0	0	0	0	3
NNE	0	0	0	0	1	2	0	0	0	0	0	0	3
NE	0	0	0	0	3	10	0	0	0	0	0	0	13
ENE	0	0	0	0	2	12	0	0	0	0	0	0	14
E	0	0	0	0	0	4	0	0	0	0	0	0	4
ESE	0	0		0	1	1	0	0	0	0	0	0	2
SE	0	0		0	1	8	5	0	0	0	0	0	14
SSE	0	0	0	0	0	3	1	0	0	0	0	0	4
S	0	0	0	0	1	4	0	0	0	0	0	0	5
SSW	0	0	0	1	1	6	1	0	0	0	0	0	9
SW	0	0	0	0	0	1	0	0	0	0	0	0	1
WSW	0	0	0	0	0	6	0	0	0	0	0	0	6
W	0	0	0	0	0	11	0	0	0	0	0	0	11
WNW	0	0	0	0	0	5	0	0	0	0	0	0	5
NW	0	0	0	0	0	1	0	0	0	0	0	0	1
NNW	0	0	0	0	0	2	0	0	0	0	0	0	2
TOTAL	0	0	0	1	10	79	7	0	0	0	0	0	97

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 97
TOTAL HOURS FOR THE PERIOD: 97

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	1	18	3	0	0	0	0	0	22
NNE	0	0	0	0	1	9	0	0	0	0	0	0	10
NE	0	0	0	1	6	5	0	0	0	0	0	0	12
ENE	0	0	0	2	7	3	1	0	0	0	0	0	13
E	0	0	0	1	2	1	1	0	0	0	0	0	5
ESE	0	0	0	3	6	0	0	0	0	0	0	0	9
SE	0	0	0	0	1	0	1	0	0	0	0	0	2
SSE	0	0	0	0	3	5	0	0	0	0	0	0	8
S	0	0	0	0	1	2	6	0	0	0	0	0	9
SSW	0	0	0	0	1	3	1	0	0	0	0	0	5
SW	0	0	0	0	1	4	0	0	0	0	0	0	5
WSW	0	0	0	1	3	5	0	0	0	0	0	0	9
W	0	0	0	0	8	23	0	0	0	0	0	0	31
WNW	0	0	0	1	4	20	0	0	0	0	0	0	25
NW	0	0	0	0	2	12	3	0	0	0	0	0	17
NNW	0	0	0	1	3	16	6	0	0	0	0	0	26
TOTAL	0	0	0	10	50	126	22	0	0	0	0	0	208

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 2
NUMBER OF VALID HOURS: 208
TOTAL HOURS FOR THE PERIOD: 210

STABILITY CLASS C

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	5	12	0	0	0	0	0	0	17
NNE	0	0	0	1	7	4	0	0	0	0	0	0	12
NE	0	0	0	1	13	1	0	0	0	0	0	0	15
ENE	0	0	0	0	3	0	0	0	0	0	0	0	3
E	0	0	0	1	3	0	0	0	0	0	0	0	4
ESE	0	0	0	2	0	0	1	0	0	0	0	0	3
SE	0	0	0	0	4	5	3	0	0	0	0	0	12
SSE	0	0	0	0	2	5	0	0	0	0	0	0	7
S	0	0	0	0	0	0	3	0	0	0	0	0	3
SSW	0	0	0	0	2	0	0	0	0	0	0	0	2
SW	0	0	0	1	0	3	0	0	0	0	0	0	4
WSW	0	0	0	0	4	1	0	0	0	0	0	0	5
W	0	0	0	2	7	1	0	0	0	0	0	0	10
WNW	0	0	0	0	8	5	0	0	0	0	0	0	13
NW	0	0	0	1	7	4	1	0	0	0	0	0	13
NNW	0	0	0	1	11	16	4	0	0	0	0	0	32
TOTAL	0	0	0	10	76	57	12	0	0	0	0	0	155

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 155
TOTAL HOURS FOR THE PERIOD: 155

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	4	12	28	13	8	0	0	0	0	0	65
NNE	1	0	3	24	15	14	7	0	0	0	0	0	64
NE	0	1	6	14	18	5	1	0	0	0	0	0	45
ENE	0	0	4	7	8	11	2	0	0	0	0	0	32
E	0	2	2	16	3	1	0	0	0	0	0	0	24
ESE	0	0	2	7	7	4	0	0	0	0	0	0	20
SE	0	0	5	6	4	15	4	0	0	0	0	0	34
SSE	0	1	2	4	5	10	11	0	0	0	0	0	33
S	0	0	2	7	2	8	18	0	0	0	0	0	37
SSW	0	0	1	5	6	8	6	0	0	0	0	0	26
SW	0	1	0	8	8	2	0	0	0	0	0	0	19
WSW	0	1	1	10	3	1	0	0	0	0	0	0	16
W	0	0	1	14	9	2	0	0	0	0	0	0	26
WNW	0	0	2	7	8	2	1	0	0	0	0	0	20
NW	1	0	5	15	13	7	0	0	0	0	0	0	41
NNW	0	1	1	8	11	14	1	0	0	0	0	0	36
TOTAL	2	7	41	164	148	117	59	0	0	0	0	0	538

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 1
NUMBER OF VALID HOURS: 538
TOTAL HOURS FOR THE PERIOD: 539

STABILITY CLASS E

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	5	7	15	4	1	0	0	0	0	0	0	32
NNE	1	4	12	28	10	13	0	0	0	0	0	0	68
NE	3	2	17	16	8	6	0	0	0	0	0	0	52
ENE	1	7	14	16	1	7	0	0	0	0	0	0	46
E	0	10	8	7	3	0	0	0	0	0	0	0	28
ESE	4	12	6	9	0	0	0	0	0	0	0	0	31
SE	1	2	9	14	4	4	0	0	0	0	0	0	34
SSE	1	2	7	17	8	4	2	0	0	0	0	0	41
S	0	4	2	13	4	7	7	0	0	0	0	0	37
SSW	0	3	9	25	14	1	1	0	0	0	0	0	53
SW	0	2	6	17	3	1	0	0	0	0	0	0	29
WSW	0	4	6	6	2	0	0	0	0	0	0	0	18
W	0	1	7	2	0	1	0	0	0	0	0	0	11
WNW	0	4	3	3	2	0	0	0	0	0	0	0	12
NW	1	4	5	12	3	0	0	0	0	0	0	0	25
NNW	0	3	9	8	10	1	0	0	0	0	0	0	31
TOTAL	12	69	127	208	76	46	10	0	0	0	0	0	548

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 548
TOTAL HOURS FOR THE PERIOD: 548

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	7	3	6	10	3	0	0	0	0	0	0	0	29
NNE	3	5	11	26	9	0	0	0	0	0	0	0	54
NE	4	2	9	11	3	1	0	0	0	0	0	0	30
ENE	3	3	5	3	2	0	0	0	0	0	0	0	16
E	1	6	2	1	0	0	0	0	0	0	0	0	10
ESE	0	1	0	1	0	0	0	0	0	0	0	0	2
SE	0	7	6	0	1	0	0	0	0	0	0	0	14
SSE	1	5	3	2	1	0	0	0	0	0	0	0	12
S	1	4	0	0	0	0	0	0	0	0	0	0	5
SSW	2	2	4	0	0	0	0	0	0	0	0	0	8
SW	0	3	1	5	0	0	0	0	0	0	0	0	9
WSW	0	1	4	2	0	0	0	0	0	0	0	0	7
W	2	14	2	1	1	2	0	0	0	0	0	0	22
WNW	3	8	7	4	0	0	0	0	0	0	0	0	22
NW	2	12	11	8	2	0	0	0	0	0	0	0	35
NNW	5	10	3	13	4	0	0	0	0	0	0	0	35
TOTAL	34	84	74	87	26	3	0	0	0	0	0	0	310

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 310
TOTAL HOURS FOR THE PERIOD: 310

STABILITY CLASS G

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	8	6	6	8	0	0	0	0	0	0	0	0	28
NNE	3	4	3	4	1	1	0	0	0	0	0	0	16
NE	12	3	1	0	0	0	0	0	0	0	0	0	16
ENE	4	4	3	1	0	0	0	0	0	0	0	0	12
E	3	0	0	0	0	0	0	0	0	0	0	0	3
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	1	0	0	0	0	0	0	0	0	0	0	1
SSE	0	0	1	0	1	0	0	0	0	0	0	0	2
S	1	1	0	0	0	0	0	0	0	0	0	0	2
SSW	1	0	1	2	0	0	0	0	0	0	0	0	4
SW	1	2	2	0	0	1	0	0	0	0	0	0	6
WSW	0	0	3	1	0	0	0	0	0	0	0	0	4
W	4	4	3	1	1	2	0	0	0	0	0	0	15
WNW	6	24	3	3	0	0	0	0	0	0	0	0	36
NW	12	31	17	5	1	0	0	0	0	0	0	0	66
NNW	15	13	7	1	2	0	0	0	0	0	0	0	38
TOTAL	70	93	50	26	6	4	0	0	0	0	0	0	249

NUMBER OF CALMS: 7
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 256
TOTAL HOURS FOR THE PERIOD: 256

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	2	14	25	64	49	6	0	0	0	0	160
NNE	0	0	4	16	34	50	81	4	0	0	0	0	189
NE	0	0	3	7	13	85	129	4	1	0	0	0	242
ENE	0	1	1	11	21	46	105	25	3	0	0	0	213
E	0	0	2	10	11	23	16	7	1	0	0	0	70
ESE	1	1	3	12	18	32	39	24	7	0	0	0	137
SE	0	2	1	9	6	30	41	1	0	0	0	0	90
SSE	0	4	0	6	12	23	23	7	0	0	0	0	75
S	0	1	1	13	13	27	37	19	0	0	0	0	111
SSW	0	0	1	9	12	42	34	6	0	0	0	0	104
SW	0	1	3	4	12	46	22	0	0	0	0	0	88
WSW	0	0	1	9	13	53	13	0	0	0	0	0	89
W	0	0	0	6	21	85	27	0	0	0	0	0	139
WNW	0	0	1	10	13	40	20	1	0	0	0	0	85
NW	0	1	1	10	19	55	46	2	0	0	0	0	134
NNW	0	1	4	6	23	55	74	2	0	0	0	0	165
TOTAL	1	12	28	152	266	756	756	108	12	0	0	0	2091

NUMBER OF CALMS: 21
NUMBER OF INVALID HOURS: 96
NUMBER OF VALID HOURS: 2112
TOTAL HOURS FOR THE PERIOD: 2208

STABILITY CLASS A

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	1	1	0	0	0	0	0	2
NNE	0	0	0	0	0	0	3	0	0	0	0	0	3
NE	0	0	0	0	0	4	3	0	0	0	0	0	7
ENE	0	0	0	0	0	2	18	1	0	0	0	0	21
E	0	0	0	0	0	1	6	1	0	0	0	0	8
ESE	0	0	0	0	0	0	4	5	1	0	0	0	10
SE	0	0	0	0	0	1	2	1	0	0	0	0	4
SSE	0	0	0	0	0	0	2	0	0	0	0	0	2
S	0	0	0	0	0	1	4	0	0	0	0	0	5
SSW	0	0	0	0	0	3	4	0	0	0	0	0	7
SW	0	0	0	0	0	0	1	0	0	0	0	0	1
WSW	0	0	0	0	0	5	4	0	0	0	0	0	9
W	0	0	0	0	0	5	5	0	0	0	0	0	10
WNW	0	0	0	0	0	3	0	0	0	0	0	0	3
NW	0	0	0	0	0	0	1	0	0	0	0	0	1
NNW	0	0	0	0	0	2	0	0	0	0	0	0	2
TOTAL	0	0	0	0	0	28	58	8	1	0	0	0	95

NUMBER OF CALMS: 2
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 97
TOTAL HOURS FOR THE PERIOD: 97

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	10	6	1	0	0	0	0	17
NNE	0	0	0	0	0	5	5	0	0	0	0	0	10
NE	0	0	0	0	0	6	6	0	0	0	0	0	12
ENE	0	0	0	0	1	7	9	1	1	0	0	0	19
E	0	0	0	0	0	6	0	1	1	0	0	0	8
ESE	0	0	0	0	0	2	0	0	1	0	0	0	3
SE	0	0	0	0	0	2	2	0	0	0	0	0	4
SSE	0	0	0	0	0	3	3	0	0	0	0	0	6
S	0	0	0	0	0	1	4	2	0	0	0	0	7
SSW	0	0	0	0	0	5	1	0	0	0	0	0	6
SW	0	0	0	0	0	3	3	0	0	0	0	0	6
WSW	0	0	0	0	1	7	3	0	0	0	0	0	11
W	0	0	0	0	5	24	13	0	0	0	0	0	42
WNW	0	0	0	0	0	6	6	0	0	0	0	0	12
NW	0	0	0	0	1	7	13	2	0	0	0	0	23
NNW	0	0	0	0	0	3	17	0	0	0	0	0	20
TOTAL	0	0	0	0	8	97	91	7	3	0	0	0	206

NUMBER OF CALMS: 2
NUMBER OF INVALID HOURS: 2
NUMBER OF VALID HOURS: 208
TOTAL HOURS FOR THE PERIOD: 210

STABILITY CLASS C

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	2	12	5	0	0	0	0	0	19
NNE	0	0	0	0	1	9	1	0	0	0	0	0	11
NE	0	0	0	0	1	12	2	0	0	0	0	0	15
ENE	0	0	0	0	0	4	2	0	0	0	0	0	6
E	0	0	0	0	0	3	0	1	0	0	0	0	4
ESE	0	0	0	0	2	1	4	3	1	0	0	0	11
SE	0	0	0	0	2	1	5	0	0	0	0	0	8
SSE	0	0	0	0	0	1	1	0	0	0	0	0	2
S	0	0	0	0	0	0	2	1	0	0	0	0	3
SSW	0	0	0	0	2	1	0	0	0	0	0	0	3
SW	0	0	0	0	1	0	3	0	0	0	0	0	4
WSW	0	0	0	1	0	5	0	0	0	0	0	0	6
W	0	0	0	0	4	9	4	0	0	0	0	0	17
WNW	0	0	0	1	2	2	3	0	0	0	0	0	8
NW	0	0	0	0	2	6	4	0	0	0	0	0	12
NNW	0	0	0	0	3	14	8	1	0	0	0	0	26
TOTAL	0	0	0	2	22	80	44	6	1	0	0	0	155

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 155
TOTAL HOURS FOR THE PERIOD: 155

JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	1	8	9	13	10	5	0	0	0	0	46
NNE	0	0	1	6	24	10	19	4	0	0	0	0	64
NE	0	0	1	4	6	20	24	2	1	0	0	0	58
ENE	0	0	0	2	10	14	17	13	2	0	0	0	58
E	0	0	0	4	2	6	4	4	0	0	0	0	20
ESE	0	0	1	2	2	5	10	11	4	0	0	0	35
SE	0	0	0	4	2	2	12	0	0	0	0	0	20
SSE	0	0	0	2	2	1	9	6	0	0	0	0	20
S	0	0	1	6	3	5	12	12	0	0	0	0	39
SSW	0	0	0	2	2	8	8	5	0	0	0	0	25
SW	0	0	0	0	4	10	3	0	0	0	0	0	17
WSW	0	0	0	3	3	6	2	0	0	0	0	0	14
W	0	0	0	4	7	20	2	0	0	0	0	0	33
WNW	0	0	0	4	3	8	4	1	0	0	0	0	20
NW	0	0	0	4	6	11	6	0	0	0	0	0	27
NNW	0	0	2	2	11	10	14	1	0	0	0	0	40
TOTAL	0	0	7	57	96	149	156	64	7	0	0	0	536

NUMBER OF CALMS: 2
NUMBER OF INVALID HOURS: 1
NUMBER OF VALID HOURS: 538
TOTAL HOURS FOR THE PERIOD: 539

STABILITY CLASS E

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	3	6	11	7	0	0	0	0	0	27
NNE	0	0	1	7	3	15	25	0	0	0	0	0	51
NE	0	0	0	3	5	33	42	1	0	0	0	0	84
ENE	0	1	0	4	6	14	23	8	0	0	0	0	56
E	0	0	2	6	4	3	4	0	0	0	0	0	19
ESE	0	0	1	4	8	17	14	5	0	0	0	0	49
SE	0	0	1	2	0	12	15	0	0	0	0	0	30
SSE	0	2	0	0	5	11	6	1	0	0	0	0	25
S	0	0	0	3	3	9	12	4	0	0	0	0	31
SSW	0	0	0	0	3	13	20	1	0	0	0	0	37
SW	0	0	1	2	3	24	11	0	0	0	0	0	41
WSW	0	0	0	1	4	18	4	0	0	0	0	0	27
W	0	0	0	0	2	5	2	0	0	0	0	0	9
WNW	0	0	0	1	1	5	3	0	0	0	0	0	10
NW	0	1	0	1	0	6	5	0	0	0	0	0	13
NNW	0	1	1	2	2	10	13	0	0	0	0	0	29
TOTAL	0	5	7	39	55	206	206	20	0	0	0	0	538

NUMBER OF CALMS: 10
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 548
TOTAL HOURS FOR THE PERIOD: 548

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	1	2	6	12	0	0	0	0	0	21
NNE	0	0	0	0	3	5	22	0	0	0	0	0	30
NE	0	0	2	0	0	9	38	1	0	0	0	0	50
ENE	0	0	1	4	2	3	32	2	0	0	0	0	44
E	0	0	0	0	3	3	1	0	0	0	0	0	7
ESE	0	0	1	3	4	5	7	0	0	0	0	0	20
SE	0	2	0	3	0	8	4	0	0	0	0	0	17
SSE	0	0	0	3	2	4	1	0	0	0	0	0	10
S	0	0	0	3	4	6	2	0	0	0	0	0	15
SSW	0	0	1	2	0	6	1	0	0	0	0	0	10
SW	0	0	1	0	1	7	0	0	0	0	0	0	9
WSW	0	0	0	0	3	9	0	0	0	0	0	0	12
W	0	0	0	1	1	13	1	0	0	0	0	0	16
WNW	0	0	0	1	0	6	2	0	0	0	0	0	9
NW	0	0	1	4	2	8	4	0	0	0	0	0	19
NNW	0	0	1	2	3	4	11	0	0	0	0	0	21
TOTAL	0	2	8	27	30	102	138	3	0	0	0	0	310

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 310
TOTAL HOURS FOR THE PERIOD: 310

STABILITY CLASS G

FROM 7/ 1/95 0:00 TO 9/30/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	1	2	6	11	8	0	0	0	0	0	28
NNE	0	0	2	3	3	6	6	0	0	0	0	0	20
NE	0	0	0	0	1	1	14	0	0	0	0	0	16
ENE	0	0	0	1	2	2	4	0	0	0	0	0	9
E	0	0	0	0	2	1	1	0	0	0	0	0	4
ESE	1	1	0	3	2	2	0	0	0	0	0	0	9
SE	0	0	0	0	2	4	1	0	0	0	0	0	7
SSE	0	2	0	1	3	3	1	0	0	0	0	0	10
S	0	1	0	1	3	5	1	0	0	0	0	0	11
SSW	0	0	0	5	5	6	0	0	0	0	0	0	16
SW	0	1	1	2	3	2	1	0	0	0	0	0	10
WSW	0	0	1	4	2	3	0	0	0	0	0	0	10
W	0	0	0	1	2	9	0	0	0	0	0	0	12
WNW	0	0	1	3	7	10	2	0	0	0	0	0	23
NW	0	0	0	1	8	17	13	0	0	0	0	0	39
NNW	0	0	0	0	4	12	11	0	0	0	0	0	27
TOTAL	1	5	6	27	55	94	63	0	0	0	0	0	251

NUMBER OF CALMS: 5
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 256
TOTAL HOURS FOR THE PERIOD: 256

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22- .50	.51- .75	.76- 1.0	1.1- 1.5	1.6- 2.0	2.1- 3.0	3.1- 5.0	5.1- 7.0	7.1- 10.0	10.1- 13.0	13.1- 18.0	>18	TOT.
N	11	4	8	59	41	106	74	6	0	0	0	0	309
NNE	7	14	13	70	55	119	25	0	0	0	0	0	303
NE	8	12	10	35	45	48	2	0	0	0	0	0	160
ENE	23	39	18	26	19	19	1	0	0	0	0	0	145
E	8	15	17	31	21	5	0	0	0	0	0	0	97
ESE	1	17	24	27	25	6	2	0	0	0	0	0	102
SE	2	9	18	64	66	51	8	0	0	0	0	0	218
SSE	0	5	6	22	19	51	31	0	0	0	0	0	134
S	0	2	7	11	19	46	54	0	0	0	0	0	139
SSW	2	6	2	12	17	21	26	1	0	0	0	0	87
SW	2	3	1	4	10	13	11	0	0	0	0	0	44
WSW	0	2	3	9	6	5	0	0	0	0	0	0	25
W	1	8	2	5	15	6	0	0	0	0	0	0	37
WNW	4	16	11	18	7	11	8	0	0	0	0	0	75
NW	3	24	26	14	6	10	20	0	0	0	0	0	103
NNW	9	18	15	38	17	28	23	3	0	0	0	0	151
TOTAL	81	194	181	445	388	545	285	10	0	0	0	0	2129

NUMBER OF CALMS: 6
NUMBER OF INVALID HOURS: 73
NUMBER OF VALID HOURS: 2135
TOTAL HOURS FOR THE PERIOD: 2208

STABILITY CLASS A

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22- .50	.51- .75	.76- 1.0	1.1- 1.5	1.6- 2.0	2.1- 3.0	3.1- 5.0	5.1- 7.0	7.1- 10.0	10.1- 13.0	13.1- 18.0	>18	TOT.
N	0	0	0	0	0	5	4	1	0	0	0	0	10
NNE	0	0	0	0	0	14	4	0	0	0	0	0	18
NE	0	0	0	0	1	14	1	0	0	0	0	0	16
ENE	0	0	0	0	1	8	0	0	0	0	0	0	9
E	0	0	0	1	4	0	0	0	0	0	0	0	5
ESE	0	0	0	0	5	3	0	0	0	0	0	0	8
SE	0	0	0	0	3	16	0	0	0	0	0	0	19
SSE	0	0	0	0	0	11	7	0	0	0	0	0	18
S	0	0	0	0	0	0	7	0	0	0	0	0	7
SSW	0	0	0	0	0	0	1	0	0	0	0	0	1
SW	0	0	0	0	0	0	1	0	0	0	0	0	1
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	1	0	0	0	0	0	0	0	1
WNW	0	0	0	0	1	0	0	0	0	0	0	0	1
NW	0	0	0	0	0	0	5	0	0	0	0	0	5
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	1	16	71	30	1	0	0	0	0	119

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 119
TOTAL HOURS FOR THE PERIOD: 119

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	3	13	13	5	0	0	0	0	34
NNE	0	0	0	1	1	18	3	0	0	0	0	0	23
NE	0	0	0	0	2	5	0	0	0	0	0	0	7
ENE	0	0	0	0	2	0	0	0	0	0	0	0	2
E	0	0	0	0	4	0	0	0	0	0	0	0	4
ESE	0	0	0	1	2	0	0	0	0	0	0	0	3
SE	0	0	0	0	9	3	0	0	0	0	0	0	12
SSE	0	0	0	0	3	9	1	0	0	0	0	0	13
S	0	0	0	0	0	4	7	0	0	0	0	0	11
SSW	0	0	0	0	0	0	3	0	0	0	0	0	3
SW	0	0	0	0	1	1	1	0	0	0	0	0	3
WSW	0	0	0	0	1	0	0	0	0	0	0	0	1
W	0	0	0	0	1	1	0	0	0	0	0	0	2
WNW	0	0	0	0	0	3	0	0	0	0	0	0	3
NW	0	0	0	0	0	0	3	0	0	0	0	0	3
NNW	0	0	0	0	0	2	2	1	0	0	0	0	5
TOTAL	0	0	0	2	29	59	33	6	0	0	0	0	129

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 129
TOTAL HOURS FOR THE PERIOD: 129

STABILITY CLASS C

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	1	0	9	5	0	0	0	0	0	15
NNE	0	0	0	0	1	10	1	0	0	0	0	0	12
NE	0	0	0	0	2	3	1	0	0	0	0	0	6
ENE	0	0	0	1	1	0	0	0	0	0	0	0	2
E	0	0	0	1	1	0	0	0	0	0	0	0	2
ESE	0	0	0	3	1	0	0	0	0	0	0	0	4
SE	0	0	0	2	2	0	0	0	0	0	0	0	4
SSE	0	0	0	0	1	1	2	0	0	0	0	0	4
S	0	0	0	0	1	2	3	0	0	0	0	0	6
SSW	0	0	0	0	0	3	2	0	0	0	0	0	5
SW	0	0	0	1	1	2	2	0	0	0	0	0	6
WSW	0	0	0	1	1	3	0	0	0	0	0	0	5
W	0	0	0	0	4	1	0	0	0	0	0	0	5
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	1	0	0	0	0	0	0	1
NNW	0	0	0	0	0	2	1	1	0	0	0	0	4
TOTAL	0	0	0	10	16	37	17	1	0	0	0	0	81

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 81
TOTAL HOURS FOR THE PERIOD: 81

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	10	15	51	48	0	0	0	0	0	124
NNE	0	1	2	14	13	48	16	0	0	0	0	0	94
NE	0	1	1	7	18	17	0	0	0	0	0	0	44
ENE	0	0	1	9	4	8	1	0	0	0	0	0	23
E	0	0	3	13	6	2	0	0	0	0	0	0	24
ESE	0	1	1	11	8	2	0	0	0	0	0	0	23
SE	0	0	1	18	19	15	7	0	0	0	0	0	60
SSE	0	0	0	3	2	16	16	0	0	0	0	0	37
S	0	0	0	3	7	17	19	0	0	0	0	0	46
SSW	0	1	0	4	11	14	17	1	0	0	0	0	48
SW	0	0	0	1	7	10	7	0	0	0	0	0	25
WSW	0	0	1	4	4	2	0	0	0	0	0	0	11
W	0	0	0	3	9	4	0	0	0	0	0	0	16
WNW	0	0	1	7	5	6	8	0	0	0	0	0	27
NW	0	0	1	1	2	7	11	0	0	0	0	0	22
NNW	0	0	1	4	3	19	19	1	0	0	0	0	47
TOTAL	0	4	13	112	133	238	169	2	0	0	0	0	671

NUMBER OF CALMS: 1
NUMBER OF INVALID HOURS: 1
NUMBER OF VALID HOURS: 672
TOTAL HOURS FOR THE PERIOD: 673

STABILITY CLASS E

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	1	1	4	27	23	27	4	0	0	0	0	0	87
NNE	0	3	6	30	35	29	1	0	0	0	0	0	104
NE	0	4	4	16	21	7	0	0	0	0	0	0	52
ENE	2	2	6	8	7	3	0	0	0	0	0	0	28
E	0	1	7	11	6	3	0	0	0	0	0	0	28
ESE	0	2	9	11	7	1	2	0	0	0	0	0	32
SE	1	5	7	32	28	15	1	0	0	0	0	0	89
SSE	0	2	1	14	12	13	5	0	0	0	0	0	47
S	0	0	2	4	11	22	18	0	0	0	0	0	57
SSW	0	0	1	6	6	4	3	0	0	0	0	0	20
SW	0	1	0	1	1	0	0	0	0	0	0	0	3
WSW	0	1	1	3	0	0	0	0	0	0	0	0	5
W	0	2	1	2	0	0	0	0	0	0	0	0	5
WNW	0	0	3	8	1	2	0	0	0	0	0	0	14
NW	1	0	3	6	4	2	1	0	0	0	0	0	17
NNW	0	3	7	15	9	5	0	0	0	0	0	0	39
TOTAL	5	27	62	194	171	133	35	0	0	0	0	0	627

NUMBER OF CALMS: 1
NUMBER OF INVALID HOURS: 1
NUMBER OF VALID HOURS: 628
TOTAL HOURS FOR THE PERIOD: 629

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	1	4	12	0	0	0	0	0	0	0	0	17
NNE	0	3	3	18	4	0	0	0	0	0	0	0	28
NE	0	0	4	10	1	2	0	0	0	0	0	0	17
ENE	0	6	4	7	4	0	0	0	0	0	0	0	21
E	1	5	5	5	0	0	0	0	0	0	0	0	16
ESE	0	11	13	1	2	0	0	0	0	0	0	0	27
SE	0	1	8	11	5	2	0	0	0	0	0	0	27
SSE	0	1	4	4	1	1	0	0	0	0	0	0	11
S	0	0	2	3	0	1	0	0	0	0	0	0	6
SSW	1	2	0	1	0	0	0	0	0	0	0	0	4
SW	0	1	0	1	0	0	0	0	0	0	0	0	2
WSW	0	0	0	1	0	0	0	0	0	0	0	0	1
W	0	3	1	0	0	0	0	0	0	0	0	0	4
WNW	0	8	4	2	0	0	0	0	0	0	0	0	14
NW	0	2	8	4	0	0	0	0	0	0	0	0	14
NNW	1	3	2	13	5	0	1	0	0	0	0	0	25
TOTAL	3	47	62	93	22	6	1	0	0	0	0	0	234

NUMBER OF CALMS: 2
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 236
TOTAL HOURS FOR THE PERIOD: 236

STABILITY CLASS G

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 30 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	10	2	0	9	0	1	0	0	0	0	0	0	22
NNE	7	7	2	7	1	0	0	0	0	0	0	0	24
NE	8	7	1	2	0	0	0	0	0	0	0	0	18
ENE	21	31	7	1	0	0	0	0	0	0	0	0	60
E	7	9	2	0	0	0	0	0	0	0	0	0	18
ESE	1	3	1	0	0	0	0	0	0	0	0	0	5
SE	1	3	2	1	0	0	0	0	0	0	0	0	7
SSE	0	2	1	1	0	0	0	0	0	0	0	0	4
S	0	2	3	1	0	0	0	0	0	0	0	0	6
SSW	1	3	1	1	0	0	0	0	0	0	0	0	6
SW	2	1	1	0	0	0	0	0	0	0	0	0	4
WSW	0	1	1	0	0	0	0	0	0	0	0	0	2
W	1	3	0	0	0	0	0	0	0	0	0	0	4
WNW	4	8	3	1	0	0	0	0	0	0	0	0	16
NW	2	22	14	3	0	0	0	0	0	0	0	0	41
NNW	8	12	5	6	0	0	0	0	0	0	0	0	31
TOTAL	73	116	44	33	1	1	0	0	0	0	0	0	268

NUMBER OF CALMS: 2
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 270
TOTAL HOURS FOR THE PERIOD: 270

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22- .50	.51- .75	.76- 1.0	1.1- 1.5	1.6- 2.0	2.1- 3.0	3.1- 5.0	5.1- 7.0	7.1- 10.0	10.1- 13.0	13.1- 18.0	>18	TOT.
N	0	0	0	3	7	60	162	43	3	0	0	0	278
NNE	0	1	2	6	11	77	171	11	1	0	0	0	280
NE	0	0	1	4	5	41	149	7	0	0	0	0	207
ENE	0	0	0	6	10	37	105	21	1	0	0	0	180
E	0	1	0	8	10	41	30	6	2	0	0	0	98
ESE	0	0	0	3	10	44	147	31	2	0	0	0	237
SE	0	0	1	3	6	17	88	11	3	0	0	0	129
SSE	0	0	0	2	9	32	62	16	1	0	0	0	122
S	0	1	1	2	9	33	70	20	0	0	0	0	136
SSW	0	1	0	0	8	21	46	18	1	0	0	0	95
SW	0	0	1	2	8	17	25	7	0	0	0	0	60
WSW	0	0	1	3	10	21	7	0	0	0	0	0	42
W	0	2	1	2	6	30	12	3	0	0	0	0	56
WNW	0	0	0	4	5	13	19	11	2	0	0	0	54
NW	0	0	1	2	2	9	30	8	2	0	0	0	54
NNW	0	0	0	0	7	18	65	13	3	0	0	0	106
TOTAL	0	6	9	50	123	511	1188	226	21	0	0	0	2134

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 74
NUMBER OF VALID HOURS: 2134
TOTAL HOURS FOR THE PERIOD: 2208

STABILITY CLASS A

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22- .50	.51- .75	.76- 1.0	1.1- 1.5	1.6- 2.0	2.1- 3.0	3.1- 5.0	5.1- 7.0	7.1- 10.0	10.1- 13.0	13.1- 18.0	>18	TOT.
N	0	0	0	0	0	1	5	1	1	0	0	0	8
NNE	0	0	0	0	0	0	16	2	0	0	0	0	18
NE	0	0	0	0	0	3	12	1	0	0	0	0	16
ENE	0	0	0	0	0	0	10	1	0	0	0	0	11
E	0	0	0	0	0	4	4	1	0	0	0	0	9
ESE	0	0	0	0	0	4	15	2	0	0	0	0	21
SE	0	0	0	0	0	1	11	0	0	0	0	0	12
SSE	0	0	0	0	0	2	4	5	0	0	0	0	11
S	0	0	0	0	0	0	3	1	0	0	0	0	4
SSW	0	0	0	0	0	0	1	0	0	0	0	0	1
SW	0	0	0	0	0	0	1	0	0	0	0	0	1
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	1	0	0	0	0	0	0	0	1
WNW	0	0	0	0	1	0	1	2	0	0	0	0	4
NW	0	0	0	0	0	0	1	0	1	0	0	0	2
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	2	15	84	16	2	0	0	0	119

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 119
TOTAL HOURS FOR THE PERIOD: 119

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	7	13	8	2	0	0	0	30
NNE	0	0	0	0	0	6	17	1	0	0	0	0	24
NE	0	0	0	0	0	1	6	0	0	0	0	0	7
ENE	0	0	0	0	1	1	4	0	0	0	0	0	6
E	0	0	0	0	0	1	2	0	0	0	0	0	3
ESE	0	0	0	0	1	6	6	0	0	0	0	0	13
SE	0	0	0	0	0	3	3	0	0	0	0	0	6
SSE	0	0	0	0	1	1	7	0	0	0	0	0	9
S	0	0	0	0	0	1	8	2	0	0	0	0	11
SSW	0	0	0	0	0	0	2	0	0	0	0	0	2
SW	0	0	0	0	1	1	2	0	0	0	0	0	4
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	2	2	0	0	0	0	0	4
WNW	0	0	0	0	0	0	1	1	0	0	0	0	2
NW	0	0	0	0	0	0	1	1	0	0	0	0	2
NNW	0	0	0	0	0	0	3	2	1	0	0	0	6
TOTAL	0	0	0	0	4	30	77	15	3	0	0	0	129

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 129
TOTAL HOURS FOR THE PERIOD: 129

STABILITY CLASS C

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	1	0	3	8	3	0	0	0	0	15
NNE	0	0	0	0	0	4	6	0	0	0	0	0	10
NE	0	0	0	0	0	0	5	1	0	0	0	0	6
ENE	0	0	0	0	0	3	1	0	0	0	0	0	4
E	0	0	0	1	0	2	1	0	0	0	0	0	4
ESE	0	0	0	0	1	2	1	0	0	0	0	0	4
SE	0	0	0	0	2	0	1	0	0	0	0	0	3
SSE	0	0	0	0	2	0	2	0	0	0	0	0	4
S	0	0	0	0	0	3	1	1	0	0	0	0	5
SSW	0	0	0	0	1	0	6	0	0	0	0	0	7
SW	0	0	0	0	2	2	2	0	0	0	0	0	6
WSW	0	0	0	0	2	2	1	0	0	0	0	0	5
W	0	0	0	0	0	3	0	0	0	0	0	0	3
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	1	0	0	0	0	0	1
NNW	0	0	0	0	0	0	2	1	1	0	0	0	4
TOTAL	0	0	0	2	10	24	38	6	1	0	0	0	81

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 81
TOTAL HOURS FOR THE PERIOD: 81

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	1	3	19	59	29	0	0	0	0	111
NNE	0	0	1	2	7	21	56	8	0	0	0	0	95
NE	0	0	0	1	2	10	18	1	0	0	0	0	32
ENE	0	0	0	2	4	6	35	8	1	0	0	0	56
E	0	0	0	3	2	12	6	3	0	0	0	0	26
ESE	0	0	0	2	6	8	23	7	1	0	0	0	47
SE	0	0	0	1	2	4	16	6	3	0	0	0	32
SSE	0	0	0	2	2	2	15	9	1	0	0	0	31
S	0	0	0	1	5	7	22	5	0	0	0	0	40
SSW	0	0	0	0	2	9	21	14	1	0	0	0	47
SW	0	0	0	0	0	7	16	7	0	0	0	0	30
WSW	0	0	0	2	1	8	4	0	0	0	0	0	15
W	0	0	0	1	5	10	6	3	0	0	0	0	25
WNW	0	0	0	3	1	3	4	8	2	0	0	0	21
NW	0	0	0	0	0	1	10	6	1	0	0	0	18
NNW	0	0	0	0	3	7	25	10	1	0	0	0	46
TOTAL	0	0	1	21	45	134	336	124	11	0	0	0	672

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 1
NUMBER OF VALID HOURS: 672
TOTAL HOURS FOR THE PERIOD: 673

STABILITY CLASS E

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	1	22	53	2	0	0	0	0	78
NNE	0	1	0	3	2	28	52	0	1	0	0	0	87
NE	0	0	0	1	1	16	52	3	0	0	0	0	73
ENE	0	0	0	1	2	13	26	10	0	0	0	0	52
E	0	0	0	3	6	11	8	1	2	0	0	0	31
ESE	0	0	0	0	1	15	55	15	1	0	0	0	87
SE	0	0	0	1	1	7	29	5	0	0	0	0	43
SSE	0	0	0	0	3	13	19	2	0	0	0	0	37
S	0	0	0	0	2	11	29	11	0	0	0	0	53
SSW	0	0	0	0	1	8	10	4	0	0	0	0	23
SW	0	0	0	0	1	2	1	0	0	0	0	0	4
WSW	0	0	0	0	2	5	1	0	0	0	0	0	8
W	0	1	1	1	0	4	3	0	0	0	0	0	10
WNW	0	0	0	0	0	3	5	0	0	0	0	0	8
NW	0	0	0	0	0	1	9	1	0	0	0	0	11
NNW	0	0	0	0	2	7	13	0	0	0	0	0	22
TOTAL	0	2	1	10	25	166	365	54	4	0	0	0	627

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 2
NUMBER OF VALID HOURS: 627
TOTAL HOURS FOR THE PERIOD: 629

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	0	0	3	13	0	0	0	0	0	16
NNE	0	0	0	0	2	11	12	0	0	0	0	0	25
NE	0	0	0	0	1	4	26	1	0	0	0	0	32
ENE	0	0	0	0	2	6	22	2	0	0	0	0	32
E	0	1	0	0	1	6	5	1	0	0	0	0	14
ESE	0	0	0	0	0	3	37	6	0	0	0	0	46
SE	0	0	0	0	0	2	14	0	0	0	0	0	16
SSE	0	0	0	0	0	1	4	0	0	0	0	0	5
S	0	0	0	0	0	3	1	0	0	0	0	0	4
SSW	0	0	0	0	1	1	4	0	0	0	0	0	6
SW	0	0	0	0	0	3	1	0	0	0	0	0	4
WSW	0	0	0	0	4	1	0	0	0	0	0	0	5
W	0	0	0	0	0	5	1	0	0	0	0	0	6
WNW	0	0	0	0	2	1	1	0	0	0	0	0	4
NW	0	0	0	1	0	2	1	0	0	0	0	0	4
NNW	0	0	0	0	1	1	15	0	0	0	0	0	17
TOTAL	0	1	0	1	14	53	157	10	0	0	0	0	236

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 236
TOTAL HOURS FOR THE PERIOD: 236

STABILITY CLASS G

FROM 10/ 1/95 0:00 TO 12/31/95 23:00
PRIMARY SENSORS - 150 FOOT
WIND SPEED (METERS/SECOND)

WIND DIR	.22-.50	.51-.75	.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	>18	TOT.
N	0	0	0	1	3	5	11	0	0	0	0	0	20
NNE	0	0	1	1	0	7	12	0	0	0	0	0	21
NE	0	0	1	2	1	7	30	0	0	0	0	0	41
ENE	0	0	0	3	1	8	7	0	0	0	0	0	19
E	0	0	0	1	1	5	4	0	0	0	0	0	11
ESE	0	0	0	1	1	6	10	1	0	0	0	0	19
SE	0	0	1	1	1	0	14	0	0	0	0	0	17
SSE	0	0	0	0	1	13	11	0	0	0	0	0	25
S	0	1	1	1	2	8	6	0	0	0	0	0	19
SSW	0	1	0	0	3	3	2	0	0	0	0	0	9
SW	0	0	1	2	4	2	2	0	0	0	0	0	11
WSW	0	0	1	1	1	5	1	0	0	0	0	0	9
W	0	1	0	0	0	6	0	0	0	0	0	0	7
WNW	0	0	0	1	1	6	7	0	0	0	0	0	15
NW	0	0	1	1	2	5	7	0	0	0	0	0	16
NNW	0	0	0	0	1	3	7	0	0	0	0	0	11
TOTAL	0	3	7	16	23	89	131	1	0	0	0	0	270

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 270
TOTAL HOURS FOR THE PERIOD: 270

TABLE 14
ATMOSPHERIC DISPERSION FACTORS
(X/Q FACTORS) (D/Q FACTORS)

1995

Table 14

ATMOSPHERIC DISPERSION AND DEPOSITION RATES FOR THE MAXIMUM INDIVIDUAL DOSE CALCULATIONS

Analysis	Location (meters)	Ground Level Releases	Mixed Mode Releases
Gamma air dose (3) and Beta Air Dose	994 m WNW (Containment)	CHI/Q - 421.0	CHI/Q - 33.1
Maximum Receptor	994 m WNW	CHI/Q - 421.0	CHI/Q - 33.1
Resident		D/Q - 50.3	D/Q - 18.1
Garden			
Meat animal			
Immersion			
Milk animal	7,000 m WNW	CHI/Q - 3.58 D/Q - 0.38	CHI/Q - .870 D/Q - .223
Other on-site Receptors (6)	115 m ENE	CHI/Q - 5977.0 D/Q - 529.7	CHI/Q - 407.5 D/Q - 46.9
	275 m N	CHI/Q - 1644.0 D/Q - 345.6	CHI/Q - 169.1 D/Q - 68.4
	500 WNW	CHI/Q - 916.7 D/Q - 148.1	CHI/Q - 105.4 D/Q - 45.6
	2500 SW	CHI/Q - 34.45 D/Q - 3.35	CHI/Q - 4.65 D/Q - 1.40

Notes:

(1) All CHI/Q = 10-7 sec/m^3

(2) All D/Q = 10-9 m^{-2}

(3) Maximum offsite location (property boundary) with highest CHI/Q (unoccupied).

(4) Maximum hypothetical occupied offsite location with highest CHI/Q and D/Q.

(5) No milk animal within 5 miles radius, hypothetical location in worst sector.

(6) Other on-site receptors.

Attachment 1

Offsite Dose Calculation Manual