Entergy®

Entergy Operations, Inc.
River Bend Station
5485 U.S. Highway 61N
St. Francisville, LA 70775
Tel 225 381 4157
Fax 225 635 5068
dlorfin@entergy.com

David N. Lorfing
Manager-Licensing

April 30, 2008

U.S. Nuclear Regulatory Commission
Document Control Desk
11555 Rockville Pike
Rockville, MD 20852-2738

Subject: Radioactive Effluent Release Report for 2007
River Bend Station - Unit 1
License No. NPF-47
Docket No. 50-458

File Nos.: G9.5, G9.25.1.5

RBG-46812
RBF1-08-0054

Dear Sir or Madam,

Enclosed the River Bend Station (RBS) Annual Radioactive Effluent Release Report for the period January 1, 2007, through December 31, 2007. This report is submitted in accordance with the RBS Technical Specifications, Section 5.6.3.

Should you have any questions regarding the enclosed information, please contact Mr. David Lorfing at (225) 381-4157.

Sincerely,

David N. Lorfing

DNL/wjf
enclosure

IE48
NRR

cc: U.S. Nuclear Regulatory Commission (w/o Enclosure)
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011

NRC Resident Inspector (w/o Enclosure)
PO Box 1050
St. Francisville, LA 70775

Mr. Jack Donohew, Project Manager (w/o Enclosure)
U.S. Nuclear Regulatory Commission
MS O-8G14
11555 Rockville Pike
Rockville, MD 20852-2738

2007 ANNUAL EFFLUENT RELEASE REPORT

PREPARED BY: _____

William H. Spell, Jr. / Senior Environmental Specialist

REVIEWED BY: _____ 0131

Robert W. Heath / Superintendent - Chemistry

REVIEWED BY: _____ #3036

Bradford L. Houston / Radiation Protection Manager

APPROVED BY: _____ April 29, 2008

Eric W. Olson / General Manager Plant Operations

TABLE OF CONTENTS

		PAGE
I.	INTRODUCTION	4
II.	SUPPLEMENTAL INFORMATION	
	A. Regulatory Limits	4
	B. Effluent Concentration Limits	7
	C. Measurements and Approximations of Total Radioactivity	7
	D. Batch Releases	9
	E. Abnormal Releases	9
	F. Estimate of Total Error	9
III.	GASEOUS EFFLUENT SUMMARY INFORMATION	10
IV.	LIQUID EFFLUENT SUMMARY INFORMATION	11
V.	SOLID WASTE	11
VI.	RADIOLOGICAL IMPACT ON MAN	11
VII.	METEOROLOGICAL DATA	11
VIII.	RADIOACTIVE LIQUID EFFLUENT MONITORING INSTRUMENTATION OPERABILITY	11
IX.	RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION OPERABILITY	12
X.	LIQUID HOLDUP TANKS	12
XI.	RADIOLOGICAL ENVIRONMENTAL MONITORING	12
XII.	LAND USE CENSUS	12
XIII.	OFFSITE DOSE CALCULATION MANUAL (ODCM)	12
XIV.	MAJOR CHANGES TO RADIOACTIVE LIQUID, GASEOUS AND SOLID WASTE TREATMENT SYSTEMS	13
XV.	PROCESS CONTROL PROGRAM (PCP)	13
XVI.	INDUSTRY GROUND WATER PROTECTION INITIATIVE (GPI) - FINAL GUIDANCE DOCUMENT OBJECTIVE ANNUAL REPORTING	13

TABLES

Table 1A	Gaseous Effluent - Summation of All Releases	14
Table 1B	Gaseous Effluent - Ground Level Releases	15
Table 1C	Gaseous Effluent - Ground Level Batch Release	16
Table 1D	Gaseous Effluent – Mixed Mode Continuous Releases	17
Table 1E	Gaseous Effluent – Mixed Mode Batch Releases	18
Table 1F	Radioactive Gaseous Waste Sampling and Analysis Program	19
Table 1G	Gaseous Dose Summary	20
Table 2A	Liquid Effluent - Summation of All Releases	21
Table 2B	Liquid Effluent – Continuous Mode	22
Table 2C	Liquid Effluent – Batch Mode	23
Table 2D	Liquid Batch Information	24
Table 2E	Radioactive Liquid Waste Sampling and Analysis Program	25
Table 2F	Liquid Dose Summary	26
Table 3	Solid Waste and Irradiated Fuel Shipments	27
Table 4	Assumptions/Parameters for Doses to Member of the Public Inside Site Boundary	30
Table 5	Doses to Members of the Public on Site from Gaseous Releases	31
Table 6	Meteorological Data - Joint Frequency Tables	32
Table 7	Atmospheric Dispersion Factors	65
Table 8	Groundwater Initiative Sample Results	66

I. INTRODUCTION

This is the annual Radioactive Effluent Release Report for the period of January 1, 2007, through December 31, 2007. 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 (TR) 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. Radioiodines (I-131 & I-133) and Particulate

In accordance with Technical Requirement 3.11.2.3, the dose to a MEMBER OF THE PUBLIC from radioiodines (I-131 and I-133), tritium (H-3) 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) for the age group of interest from radioiodine (I-131, I-133, tritium, and 8 day particulate via the pathway of interest.)

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

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

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

(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

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

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

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

(above terms defined in RBS ODCM)

b. Technical Requirement 3.11.2.1 - Radioiodine (I-131 & I-133) and Particulate

In accordance with Technical Requirement 3.11.2.1, the dose rate due to radioiodines, 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 Radioiodines (I-131 & I-133), tritium, and 8 day particulate via the inhalation pathway in mrem/yr.

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

(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 ten times 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 concentration.

d. Technical Requirement 3.11.2.5 - Ventilation Exhaust Treatment

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 Requirement 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 to ten times 10CFR20, Appendix B, Table 2, Column 2.

C. 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 using high purity germanium detectors coupled to computerized pulse height analyzers. The sampling and analysis frequencies are described in Table 1F.

Sampling and analysis of these effluent streams provide noble gas radionuclide relative abundance that 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 the stack grab sample and a significant increase in hourly averages was recorded, the nuclide relative abundance of the last sample (or the last similar event), which indicated the presence of activity, was used 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 Radioiodine (I-131 & I-133)

Particulates, Iodine-131 and Iodine-133 are continuously sampled from the three release points using 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 1F. Analysis is performed to identify and quantify radionuclides using high purity germanium detectors coupled to computerized pulse height analyzers. Given the nuclide specific activity concentrations, process flow rate, and duration of the sample, 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. Strontium-89 and Strontium-90 (Sr-89 and Sr-90) are quantitatively analyzed by counting by scintillation techniques (Chrenkov counting). Gross alpha analysis is performed using a zinc sulfide scintillation counter.

c. Tritium

Tritium grab samples are obtained from the three gaseous release points at the specified frequencies listed in Table 1F using an ice bath condensation collection method. The collected sample is then analyzed using 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 2E. Analysis for gamma emitting nuclides (including dissolved and entrained noble gases) is performed using a high resolution germanium detector coupled to a computerized pulse height analyzer. Tritium concentration is determined using a liquid scintillation counter. Strontium-89 and Strontium-90 are quantitatively analyzed by scintillation techniques (Chrenkov counting). Iron-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.

D. Batch Releases

Liquid Effluents

Batch releases and receiving stream flow from River Bend Station during the reporting period of January 1, 2007, through December 31, 2007 are shown in Table 2D.

The Mississippi River stream flow is obtained by averaging data from the U. S. Army Corp of Engineers website using flow gauge data at Tarbert Landing.

Gaseous Effluents

There were no batch releases of gaseous effluents from River Bend Station during the reporting period of January 1, 2007, through December 31, 2007.

E. Abnormal Releases

There were no abnormal liquid or gaseous releases during the reporting period of January 1, 2007, through December 31, 2007.

F. Estimate of Total Error

1. Liquid

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

Fission and Activation Products	: ± 14.2%
Tritium	: ± 14.2%
Dissolved and Entrained Noble Gases	: ± 14.2%
Gross Alpha Radioactivity	: ± 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:

$$E_T = \sqrt{((E_1)^2 + (E_2)^2 + ...(E_n)^2)}$$

where:

E_T = total error

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

III. GASEOUS EFFLUENT SUMMARY INFORMATION

Refer to the Table 1 series 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 1F. Also, any nuclide not appearing in the tables was < LLD for all four quarters.

IV. LIQUID EFFLUENT SUMMARY INFORMATION

Refer to the Table 2 series 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 2E. Also, any nuclide not appearing in the tables was < LLD for all four quarters.

V. SOLID WASTE

Refer to Table 3, for "Solid Waste and Irradiated Fuel Shipments.

VI. RADIOLOGICAL IMPACT ON MAN (40CFR190)

An assessment (see summary below) was made of radiation doses to the likely most-exposed member of the public from River Bend and other nearby uranium fuel cycle sources (none within five miles). 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 less than or equal to 25 mrem to the total body or any organ, except the thyroid, which shall be limited to less than or equal to 75 mrem.

Organ	mrem
Total Body	1.93E-01
Skin	8.98E-01
Thyroid	2.08E-01
Other Organ	2.92E-01

In addition, an assessment of doses was made for members of the public due to their activities inside the site boundary. Parameters and assumptions used to make this determination can be found in Table 4. The results of the calculations can be found in Table 5. The maximally exposed member of the public was split between the lawn service provider and RBS employees who are staying on site. The lawn service provider dose is conservatively calculated to have performed all work at the Generation Support Building during 2007. The employees staying at RBS during the week are conservatively calculated to have stayed at least four days per week for 38 weeks. 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 6 and 7 for the cumulative joint frequency distributions and annual average data for continuous releases. The meteorological recovery for 2007 was 95.5 %.

VIII. RADIOACTIVE LIQUID EFFLUENT 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 January 1, 2007, through December 31, 2007, 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 January 1, 2007, through December 31, 2007, restored to operable status within the required time. Reporting of inoperable channels is therefore not required in this report.

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 January 1, 2007, through December 31, 2007 was less than or equal to the 10 curie limit as required by Technical Specification 5.5.8.b.

XI. RADIOLOGICAL ENVIRONMENTAL MONITORING

There were no changes to the Radiological Environmental Monitoring Program during the reporting period January 1, 2007, through December 31, 2007.

XII. LAND USE CENSUS

There was no land use census performed for 2007 as this is a biennial surveillance and will next be performed in 2008.

XIII. OFFSITE DOSE CALCULATION MANUAL (ODCM)

There were no changes to the ODCM in 2007.

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

Engineering has performed a review of the IDEAS and IAS database to evaluate design changes completed or partially completed during 2007 involving the subject systems. These design changes were then reviewed to determine if there have been any major changes to the subject systems. The review was based on a major change being defined as a modification which affected the method of processing or the effluent from the system. Also, to be a "major change" the change must have affected the USAR.

The Engineering Requests (ER's) and Engineering Changes (EC's) completed during this time period primarily consisted of administrative changes, parts equivalencies or approval of alternate parts with enhanced performance characteristics, evaluation of maintenance items such as leak repairs, and evaluation of temporary removal of liquid radwaste strainer elements. The administrative changes primarily consisted of drawing/document corrections. Equivalencies or enhanced alternate parts involved replacement level instruments and pump seals. Temporary removal of the strainer elements was allowed given that an alternate strainer or downstream filtration was in use for liquid radwaste processing. These changes did not modify any radioactive waste system major component such that the processing method or effluent was changed. These changes also had no affect on the method of processing solid, liquid or gaseous waste and did not affect the isotopic composition or the quantity of liquid, solid, or gaseous waste as described in the USAR.

In conclusion, no design changes were completed during the specified time period that constituted a major change to either liquid, solid or gaseous radwaste treatment systems.

XV. PROCESS CONTROL PROGRAM (PCP)

There were no changes to the PCP in 2007.

XVI. INDUSTRY GROUND WATER PROTECTION INITIATIVE (GPI) – FINAL GUIDANCE DOCUMENT (NEI 07-07) OBJECTIVE ANNUAL REPORTING

Ground water sample results were taken in support of the GPI beginning in the third quarter, 2007. These samples are not part of the REMP program. Five monitoring wells were sampled for gamma radiation and tritium. The Minimum Detectable Activity (MDA) in all samples was less than the Lower Limit of Detection as required in Technical Requirement 3.12.1 (Environmental LLDs). There were no significant spills or leaks in 2007 and no on-site or off-site ground water sample results that exceeded the REMP reporting thresholds in 2007. The sample results are located in Table 8.

EFFLUENT AND WASTE DISPOSAL REPORT

TABLE 1A

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

REPORT FOR 2007	Units	QTR 1	QTR 2	QTR 3	QTR 4	YEAR
Fission and Activation Gases						
1. Total Release	Ci	4.04E+01	1.26E+02	9.31E+01	8.39E+01	3.44E+02
2. Avg. Release Rate	uCi/sec	5.19E+00	1.61E+01	1.17E+01	1.06E+01	1.09E+01
3. % Applicable Limit	% (1)	4.71E-01	1.03E+00	6.41E-01	1.07E+00	1.61E+00
Iodine-131						
1. Total Release	Ci	5.14E-03	2.52E-03	2.81E-03	7.61E-03	1.81E-02
2. Avg. Release Rate	uCi/sec	6.61E-04	3.20E-04	3.53E-04	9.58E-04	5.73E-04
3. % Applicable Limit	% (2)	2.20E+00	1.07E+00	1.20E+00	3.24E+00	3.87E+00
Particulates Half Life >= 8 days						
1. Total Release	Ci	1.13E-03	6.16E-04	1.18E-03	5.64E-04	3.49E-03
2. Avg. Release Rate	uCi/sec	1.45E-04	7.84E-05	1.49E-04	7.10E-05	1.11E-04
3. % Applicable Limit	% (2)	6.09E-01	1.96E-01	2.37E-01	6.41E-01	8.43E-01
Tritium						
1. Total Release	Ci	4.87E+00	5.41E+00	4.63E+00	4.51E+00	1.94E+01
2. Avg. Release Rate	uCi/sec	6.26E-01	6.88E-01	5.82E-01	5.67E-01	6.16E-01
3. % Applicable Limit	% (2)	1.38E-01	1.71E-01	1.11E-01	1.04E-01	2.62E-01
Gross Alpha Radioactivity						
1. Total Release	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2. Avg. Release Rate	uCi/sec	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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.

2) The % of applicable limit is determined by comparing the dose contribution to the critical organ limits of TRM 3.11.2.3

EFFLUENT AND WASTE DISPOSAL REPORT
TABLE 1B
GASEOUS EFFLUENTS - GROUND RELEASES - CONTINUOUS MODE

REPORT FOR 2007	Units	QTR 1	QTR 2	QTR 3	QTR 4	YEAR
Fission and Activation Gases						
XE-133	Ci	2.49E+00	1.17E+00	8.36E-02	5.54E-01	4.30E+00
XE-133M	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
XE-135	Ci	4.78E+00	8.09E+00	5.63E-01	1.30E+01	2.64E+01
XE-135M	Ci	1.79E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-01
Totals for Period...	Ci	7.45E+00	9.26E+00	6.46E-01	1.35E+01	3.09E+01
Iodines						
I-131	Ci	5.57E-05	2.50E-06	0.00E+00	9.23E-06	6.74E-05
I-132	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-133	Ci	4.80E-04	0.00E+00	0.00E+00	4.37E-05	5.24E-04
Totals for Period...	Ci	5.36E-04	2.50E-06	0.00E+00	5.29E-05	5.91E-04
Particulates Half Life >= 8 days						
CE-141	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CO-57	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CO-58	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CO-60	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CR-51	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CS-137	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FE-59	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MN-54	Ci	2.61E-06	0.00E+00	0.00E+00	0.00E+00	2.61E-06
NB-95	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RU-103	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RU-106	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ZN-65	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Totals for Period...	Ci	2.61E-06	0.00E+00	0.00E+00	0.00E+00	2.61E-06
Tritium						
H-3	Ci	1.82E+00	2.33E+00	1.41E+00	1.31E+00	6.87E+00
Totals for Period...	Ci	1.82E+00	2.33E+00	1.41E+00	1.31E+00	6.87E+00
Gross Alpha Radioactivity						
** No Nuclide Activities **		.....	.....	.....	.....	.....

EFFLUENT AND WASTE DISPOSAL REPORT

TABLE 1C

GASEOUS EFFLUENTS - GROUND RELEASES - BATCH MODE

REPORT FOR 2007	Units	QTR 1	QTR 2	QTR 3	QTR 4	YEAR
Fission and Activation Gases						
XE-133	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
XE-135	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
XE-135M	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Totals for Period...	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Iodines						
** No Nuclide Activities **		.....	.....	.....	.....	.....
Particulates Half Life >= 8 days						
CO-60	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MN-54	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ZN-65	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Totals for Period...	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tritium						
** No Nuclide Activities **		.....	.....	.....	.....	.....

EFFLUENT AND WASTE DISPOSAL REPORT
TABLE 1D
GASEOUS EFFLUENTS - MIXED MODE RELEASES - CONTINUOUS MODE

REPORT FOR 2007	Units	QTR 1	QTR 2	QTR 3	QTR 4	YEAR
Fission and Activation Gases						
AR-41	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
KR-85	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
KR-85M	Ci	0.00E+00	2.66E-01	2.79E-01	4.46E-01	9.92E-01
KR-87	Ci	0.00E+00	8.54E-01	5.75E-01	1.07E+00	2.50E+00
KR-88	Ci	0.00E+00	6.25E-01	8.56E-01	1.10E+00	2.59E+00
XE-131M	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
XE-133	Ci	2.40E-01	1.90E+01	3.91E+00	2.15E+01	4.46E+01
XE-133M	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
XE-135	Ci	1.51E+01	5.66E+01	3.86E+01	2.35E+01	1.34E+02
XE-135M	Ci	1.76E+01	3.50E+01	4.20E+01	1.63E+01	1.11E+02
XE-137	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
XE-138	Ci	7.72E-02	4.58E+00	6.27E+00	6.43E+00	1.74E+01
Totals for Period...	Ci	3.29E+01	1.17E+02	9.25E+01	7.04E+01	3.13E+02
Iodines						
I-131	Ci	5.08E-03	2.51E-03	2.81E-03	7.60E-03	1.80E-02
I-132	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-133	Ci	4.92E-02	1.70E-02	2.04E-02	5.51E-02	1.42E-01
I-135	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Totals for Period...	Ci	5.43E-02	1.95E-02	2.32E-02	6.27E-02	1.60E-01
Particulates Half Life >= 8 days						
BA-140	Ci	5.50E-04	2.11E-04	5.04E-04	2.19E-04	1.48E-03
CE-139	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CE-141	Ci	1.38E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05
CO-58	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CO-60	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CR-51	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CS-134	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CS-137	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FE-59	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MN-54	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RU-103	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SR-89	Ci	5.65E-04	4.06E-04	6.78E-04	3.45E-04	1.99E-03
SR-90	Ci	7.67E-08	0.00E+00	0.00E+00	0.00E+00	7.67E-08
ZN-65	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Totals for Period...	Ci	1.13E-03	6.16E-04	1.18E-03	5.64E-04	3.49E-03
Tritium						
H-3	Ci	3.05E+00	3.08E+00	3.22E+00	3.20E+00	1.25E+01
Gross Alpha Radioactivity						
** No Nuclide Activities **		.....	.....	.....	.....	.....

EFFLUENT AND WASTE DISPOSAL REPORT
SUPPLEMENTAL INFORMATION
GASEOUS EFFLUENTS - BATCH MODE
Table 1E

REPORT FOR 2007	Units	QTR 1	QTR 2	QTR 3	QTR 4	YEAR
Number of releases		0	0	0	0	0
Total release time	minutes	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Maximum release time	minutes	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Average release time	minutes	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Minimum release time	minutes	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TABLE 1F

Effluent and Waste Disposal Annual Report 2007 Year

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 1G

GASEOUS DOSE SUMMARY

Release ID: 1 All Gas Release Points Coefficient Type: Historical

=== I&P DOSE LIMIT ANALYSIS ===

Period-Limit	Age Group	Organ	Dose (mrem)	Limit (mrem)	Max % of Limit
Q1 - T.Spec Any Organ	CHILD	THYROID	2.24E-01	7.50E+00	2.99E+00
Q2 - T.Spec Any Organ	CHILD	THYROID	1.08E-01	7.50E+00	1.44E+00
Q3 - T.Spec Any Organ	CHILD	THYROID	1.16E-01	7.50E+00	1.54E+00
Q4 - T.Spec Any Organ	CHILD	THYROID	2.99E-01	7.50E+00	3.99E+00
Yr - T.Spec Any Organ	CHILD	THYROID	7.47E-01	1.50E+01	4.98E+00

=== NOBLE GAS DOSE LIMIT ANALYSIS ===

Period-Limit	Dose (mrad)	Limit (mrad)	% of Limit
Q1 - T.Spec Gamma	2.35E-02	5.00E+00	4.71E-01
Q2 - T.Spec Gamma	5.17E-02	5.00E+00	1.03E+00
Q3 - T.Spec Gamma	3.20E-02	5.00E+00	6.41E-01
Q4 - T.Spec Gamma	5.36E-02	5.00E+00	1.07E+00
Yr - T.Spec Gamma	1.61E-01	1.00E+01	1.61E+00
Q1 - T.Spec Beta	2.47E-02	1.00E+01	2.47E-01
Q2 - T.Spec Beta	5.11E-02	1.00E+01	5.11E-01
Q3 - T.Spec Beta	1.97E-02	1.00E+01	1.97E-01
Q4 - T.Spec Beta	5.79E-02	1.00E+01	5.79E-01
Yr - T.Spec Beta	1.53E-01	2.00E+01	7.67E-01

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

REPORT FOR 2007	Units	QTR 1	QTR 2	QTR 3	QTR 4	YEAR
Fission and Activation Gases						
1. Total Release	Ci	9.07E-04	4.85E-04	2.20E-03	2.44E-03	6.02E-03
2. Avg. Diluted Conc.	uCi/ml	5.96E-10	3.64E-10	1.61E-09	1.78E-09	1.08E-09
3. % Applicable Limit	% (1)	5.03E-04	1.40E-03	2.66E-03	9.28E-03	1.25E-02
Tritium						
1. Total Release	Ci	1.80E+01	3.64E+01	4.64E+01	3.01E+01	1.31E+02
2. Avg. Diluted Conc.	uCi/ml	1.18E-05	2.74E-05	3.40E-05	2.20E-05	2.35E-05
3. % Applicable Limit	% (1)	1.43E-04	8.18E-04	1.88E-03	8.69E-04	3.20E-03
Dissolved and Entrained Gases						
1. Total Release	Ci	2.83E-02	9.43E-02	1.97E-01	1.45E-01	4.64E-01
2. Avg. Diluted Conc.	uCi/ml	1.86E-08	7.08E-08	1.45E-07	1.06E-07	8.32E-08
3. % Applicable Limit	% (2)	9.31E-03	3.55E-02	7.24E-02	5.33E-02	4.17E-02
Gross Alpha Radioactivity						
1. Total Release	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Volume of liquid waste	liters	8.48E+05	2.04E+06	3.78E+06	2.75E+06	9.41E+06
Volume of dil. water	liters	1.52E+09	1.33E+09	1.36E+09	1.36E+09	5.57E+09

(1) The most limiting dose compared to the total body and critical organ limits of TRM 3.11.1.2.a.

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

EFFLUENT AND WASTE DISPOSAL REPORT

TABLE 2B

LIQUID EFFLUENTS - CONTINUOUS MODE

REPORT FOR 2007	Units	QTR 1	QTR 2	QTR 3	QTR 4	YEAR
Fission and Activation Products						
** No Nuclide Activities **	.....	.....	.....	.....	.....	.....
Tritium						
** No Nuclide Activities **	.....	.....	.....	.....	.....	.....
Dissolved and Entrained Gases						
** No Nuclide Activities **	.....	.....	.....	.....	.....	.....
Gross Alpha Radioactivity						
** No Nuclide Activities **	.....	.....	.....	.....	.....	.....

EFFLUENT AND WASTE DISPOSAL REPORT
TABLE 2C
LIQUID EFFLUENTS - BATCH MODE

REPORT FOR 2007	Units	QTR 1	QTR 2	QTR 3	QTR 4	YEAR
Fission and Activation Gases						
CE-141	Ci	0.00E+00	0.00E+00	0.00E+00	1.11E-05	1.11E-05
CO-58	Ci	0.00E+00	0.00E+00	0.00E+00	1.68E-05	1.68E-05
CO-60	Ci	2.28E-04	4.10E-04	6.07E-04	1.18E-03	2.43E-03
CR-51	Ci	0.00E+00	0.00E+00	0.00E+00	2.41E-04	2.41E-04
FE-55	Ci	5.93E-04	0.00E+00	1.51E-03	0.00E+00	2.10E-03
LA-140	Ci	1.09E-05	0.00E+00	0.00E+00	1.12E-04	1.23E-04
MN-54	Ci	7.50E-05	7.45E-05	7.11E-05	3.82E-04	6.02E-04
MO-99	Ci	2.23E-07	0.00E+00	0.00E+00	2.48E-07	4.70E-07
NA-24	Ci	6.37E-07	0.00E+00	0.00E+00	0.00E+00	6.37E-07
NB-97	Ci	0.00E+00	0.00E+00	0.00E+00	1.56E-05	1.56E-05
NP-239	Ci	0.00E+00	0.00E+00	0.00E+00	3.87E-04	3.87E-04
RU-103	Ci	0.00E+00	0.00E+00	0.00E+00	6.72E-06	6.72E-06
SR-92	Ci	0.00E+00	0.00E+00	6.81E-06	0.00E+00	6.81E-06
TC-99M	Ci	2.40E-07	0.00E+00	0.00E+00	2.84E-07	5.24E-07
Y-92	Ci	0.00E+00	0.00E+00	0.00E+00	8.19E-05	8.19E-05
Totals for Period...	Ci	9.07E-04	4.85E-04	2.20E-03	2.44E-03	6.02E-03
Tritium						
H-3	Ci	1.80E+01	3.64E+01	4.64E+01	3.01E+01	1.31E+02
Dissolved and Entrained Gases						
XE-133	Ci	9.65E-03	2.95E-02	4.00E-02	5.30E-02	1.32E-01
XE-133M	Ci	3.10E-04	1.10E-03	3.58E-04	1.89E-03	3.66E-03
XE-135	Ci	1.84E-02	6.36E-02	1.57E-01	9.00E-02	3.29E-01
XE-135M	Ci	1.43E-05	0.00E+00	0.00E+00	0.00E+00	1.43E-05
Totals for Period...	Ci	2.83E-02	9.43E-02	1.97E-01	1.45E-01	4.64E-01
Gross Alpha Radioactivity						
** No Nuclide Activities **		.....	.....	.....	.....	.....

EFFLUENT AND WASTE DISPOSAL REPORT

SUPPLEMENTAL INFORMATION

LIQUID EFFLUENTS - BATCH MODE

Table 2D

REPORT FOR 2007	Units	QTR 1	QTR 2	QTR 3	QTR 4	YEAR
Number of releases		16	37	69	50	172
Total release time	minutes	5.30E+03	1.30E+04	2.41E+04	1.72E+04	5.97E+04
Maximum release time	minutes	3.66E+02	3.90E+02	3.90E+02	3.88E+02	3.90E+02
Average release time	minutes	3.31E+02	3.52E+02	3.49E+02	3.44E+02	3.47E+02
Minimum release time	minutes	1.05E+02	2.55E+02	1.98E+02	7.50E+01	7.50E+01

		QTR 1	**QTR 2**	**QTR 3**	**QTR 4**
Average Mississippi River stream flow during periods of release of effluent into a flowing stream	ft^3/sec	634,744	555,934	358,272	275,413

TABLE 2E

Effluent and Waste Disposal Annual Report 2007 Year

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 2F

LIQUID DOSE SUMMARY

Report for: 2007

Release ID: 10 All Liquid Release Points

Liquid Receptor

=== SITE DOSE LIMIT ANALYSIS ===

Period - Limit	Age Group	Organ	Dose (mrem)	Limit (mrem)	Max % of Limit
Qtr 1 - T.Spec Any Organ	ADULT	GILLI	2.73E-05	5.00E+00	5.46E-04
Qtr 2 - T.Spec Any Organ	ADULT	GILLI	8.22E-05	5.00E+00	1.64E-03
Qtr 3 - T.Spec Any Organ	ADULT	GILLI	1.61E-04	5.00E+00	3.21E-03
Qtr 4 - T.Spec Any Organ	ADULT	GILLI	4.77E-04	5.00E+00	9.55E-03
2007 - T.Spec Any Organ	ADULT	GILLI	6.75E-04	1.00E+01	6.75E-03
Qtr 1 - T.Spec Total Body	ADULT	TBODY	3.94E-06	1.50E+00	2.63E-04
Qtr 2 - T.Spec Total Body	ADULT	TBODY	1.69E-05	1.50E+00	1.12E-03
Qtr 3 - T.Spec Total Body	ADULT	TBODY	3.96E-05	1.50E+00	2.64E-03
Qtr 4 - T.Spec Total Body	ADULT	TBODY	4.19E-05	1.50E+00	2.80E-03
2007 - T.Spec Total Body	ADULT	TBODY	9.00E-05	3.00E+00	3.00E-03

TABLE 3
Effluent and Waste Disposal Annual Report 2007 Year
Solid Waste and Irradiated Fuel Shipments
Reporting Period from 01/01/07 to 12/31/07

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.	m^3	1.79E+02	A	See Below
	Ci	6.23E+02	A	See Below
	m^3	0.00E+00	B	See Below
	Ci	0.00E+00	B	See Below
	m^3	1.49E+00	C	See Below
	Ci	4.55E+02	C	See Below
Dry Compressible Wastes, Contaminated Equipment, Etc.	m^3	6.20E+02	A	See Below
	Ci	7.91E+00	A	See Below
Irradiated Components, Control Rods, etc.	m^3	1.00E-03	C	N/A
	Ci	3.89E+00	C	N/A
Other (Water, EHC, Waste Oil)	m^3	2.05E+01	A	See Below
	Ci	4.06E+00	A	See Below

Note: Volume considered being the total disposal volume of the container.

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

1. Possible Errors

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

Effluent and Waste Disposal Annual Report 2007 Year
Solid Waste and Irradiated Fuel Shipments
Reporting Period from 01/01/07 to 12/31/07
Table 3 (continued)

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 analytical accuracy in that certain important parameters are neglected. These parameters are geometry of package, measuring instrument characteristics, build-up, internal attenuation effect, and external media attenuation. An activity correction factor is applied to provide adjustment for these factors. This error is applicable to all waste types.

Effluent and Waste Disposal Annual Report 2007 Year
Solid Waste and Irradiated Fuel Shipments
Reporting Period from 01/01/07 to 12/31/07
Table 3 (continued)

2. Estimates of Major Nuclides by Waste Stream

Resins, Filters and Evaporator Bottoms, etc. (Min 1%)			Dry Compressible Wastes, Contaminated Equipment, etc. (Min 1%)			Other Water, EHC, Waste Oil, etc. (Min 1%)		
Isotope	**% Abundance**	**Curies**	**Isotope**	**% Abundance**	**Curies**	**Isotope**	**% Abundance**	**Curies**
Mn-54	1.721	1.71E+01	Mn-54	3.370	2.66E-01	Mn-54	1.570	7.32E+00
Fe-55	78.099	7.75E+02	Fe-55	85.652	6.77E+00	Fe-55	87.655	4.09E+02
Co-60	13.016	1.29E+02	Co-60	10.086	7.98E-01	Co-60	8.921	4.16E+01
Zn-65	1.356	1.35E+01						
C-14	1.950	1.94E+01						
CS-137	1.227	1.22E+01						

Determined by Measurement & Correlation.
Packaged in Strong, Tight Liners.
No Solidification Agent or Absorbent Used
No Control Rods, Etc. were shipped in 2007

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
41	Truck	Studsvik Processing Facility - Erwin, TN.
10	Truck	Energy Solutions (Bear Creek)-Oak Ridge, TN.
5	Truck	Studsvik Processing Facility - Memphis, TN.

B. Irradiated Fuel Shipments Disposition

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

TABLE 4
Effluent and Waste Disposal Annual Report 2007 Year
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)[2]
People Entering Site Without Consent	Alligator Bayou	2500	SW	40
Lawn Service Provider	General Services Building	115	ENE	360
National Guard	Activity Center	994	WNW	0[3]
Delivery Driver	Main Warehouse	275	N	125
Workers staying onsite	Activity Center Trailer City	994	WNW	1776[4]

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

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

(3) National Guard/State Police are being evaluated, if applicable, for dose while stationed on site as members of the public. The adult age group is the only age group considered in this category. No National Guard in 2007.

(4) Workers began staying at the Activity Center Trailer City beginning April 10, 2007. Some left and some stayed for the remainder of the year. During the outage (RF-14), additional workers were on site for about 60 days. The long term indivduals will be the receptors for this pathway. For 2007, this estimate is based on 12 hours per day, 4 days per week for 266 days. This is based on direct observation of vehicles present and conversation with the long-term individuals. The adult age group is the only age group considered for this activity.

TABLE 5

DOSES TO MEMBERS OF THE PUBLIC ON SITE

FROM GASEOUS RELEASES 2007

	Critical Organ Dose Annual (mrem)	Total Body Dose Annual (mrem)	Skin Dose Annual (mrem)	Annual Duration Factor
Alligator Bayou	2.92E-04	7.95E-05	1.48E-04	4.57E-03
Lawn Service Provider	1.37E-01	8.16E-02	1.59E-01	4.11E-02
Workers staying onsite	1.51E-01	3.06E-02	5.90E-02	2.03E-01
Delivery Driver	4.26E-02	9.89E-03	1.87E-02	1.43E-02

Table 6
Effluent and Waste Disposal Annual Report 2007 Year
Meteorological Data - Joint Frequency Tables

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 1/ 1/07 0:00 TO 3/31/07 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	6	10	12	36	33	58	43	0	0	0	0	0	198
NNE	12	10	9	27	38	30	1	0	0	0	0	0	127
NE	9	25	6	19	43	16	1	0	0	0	0	0	119
ENE	3	26	21	26	17	16	2	0	0	0	0	0	111
E	1	12	14	19	14	1	0	0	0	0	0	0	61
ESE	2	13	18	54	47	33	0	0	0	0	0	0	167
SE	0	11	19	91	102	109	14	0	0	0	0	0	346
SSE	0	3	3	25	21	67	64	4	0	0	0	0	187
S	2	0	7	12	11	44	33	9	1	0	0	0	119
SSW	0	6	7	19	14	39	23	1	0	0	0	0	109
SW	1	2	9	18	7	14	6	1	0	0	0	0	58
WSW	1	1	3	13	7	26	4	0	0	0	0	0	55
W	1	4	9	8	14	18	7	0	0	0	0	0	61
WNW	0	13	10	8	7	10	10	2	0	0	0	0	60
NW	3	16	23	23	23	32	26	4	0	0	0	0	150
NNW	9	17	18	27	29	41	53	0	0	0	0	0	194
TOTAL	50	169	188	425	427	554	287	21	1	0	0	0	2122

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 38
NUMBER OF VALID HOURS: 2122
TOTAL HOURS FOR THE PERIOD: 2160

STABILITY CLASS A

FROM 1/ 1/07 0:00 TO 3/31/07 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	3	0	0	0	0	0	0	3
NE	0	0	0	0	2	1	0	0	0	0	0	0	3
ENE	0	0	0	0	0	7	0	0	0	0	0	0	7
E	0	0	0	3	2	0	0	0	0	0	0	0	5
ESE	0	0	0	1	12	15	0	0	0	0	0	0	28
SE	0	0	0	1	15	36	5	0	0	0	0	0	57
SSE	0	0	0	0	1	16	7	0	0	0	0	0	24
S	0	0	0	0	0	1	1	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	2	6	0	0	0	0	0	0	8
W	0	0	0	0	0	1	2	0	0	0	0	0	3
WNW	0	0	0	0	0	0	1	1	0	0	0	0	2
NW	0	0	0	0	0	0	3	0	0	0	0	0	3
NNW	0	0	0	0	0	0	2	0	0	0	0	0	2
TOTAL	0	0	0	5	34	86	21	1	0	0	0	0	147

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 147
TOTAL HOURS FOR THE PERIOD: 147

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 1/ 1/07 0:00 TO 3/31/07 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	5	0	0	0	0	0	5
NNE	0	0	0	0	1	1	0	0	0	0	0	0	2
NE	0	0	0	0	0	0	1	0	0	0	0	0	1
ENE	0	0	0	1	2	0	0	0	0	0	0	0	3
E	0	0	0	0	1	0	0	0	0	0	0	0	1
ESE	0	0	0	0	1	3	0	0	0	0	0	0	4
SE	0	0	0	0	5	8	1	0	0	0	0	0	14
SSE	0	0	0	0	0	1	4	0	0	0	0	0	5
S	0	0	0	0	0	0	5	0	0	0	0	0	5
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	1	0	0	0	0	0	0	0	0	1
W	0	0	0	0	0	1	1	0	0	0	0	0	2
WNW	0	0	0	0	0	0	2	0	0	0	0	0	2
NW	0	0	0	0	0	3	4	1	0	0	0	0	8
NNW	0	0	0	0	0	0	5	0	0	0	0	0	5
TOTAL	0	0	0	2	10	17	28	1	0	0	0	0	58

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 58
TOTAL HOURS FOR THE PERIOD: 58

STABILITY CLASS C

FROM 1/ 1/07 0:00 TO 3/31/07 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	2	0	0	0	0	0	2
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	2	0	0	0	0	0	0	0	2
ENE	0	0	0	0	1	0	0	0	0	0	0	0	1
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	1	3	0	0	0	0	0	0	0	4
SE	0	0	0	1	2	1	0	0	0	0	0	0	4
SSE	0	0	0	0	1	1	6	0	0	0	0	0	8
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	1	0	0	0	0	0	1
W	0	1	0	0	0	1	0	0	0	0	0	0	2
WNW	0	0	0	0	0	0	0	1	0	0	0	0	1
NW	0	0	0	0	0	0	3	0	0	0	0	0	3
NNW	0	0	0	0	0	0	3	0	0	0	0	0	3
TOTAL	0	1	0	2	9	5	16	1	0	0	0	0	34

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 34
TOTAL HOURS FOR THE PERIOD: 34

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 1/ 1/07 0:00 TO 3/31/07 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	5	23	26	46	35	0	0	0	0	0	135
NNE	0	0	2	11	29	24	1	0	0	0	0	0	67
NE	0	1	3	7	19	9	0	0	0	0	0	0	39
ENE	0	0	2	3	2	5	1	0	0	0	0	0	13
E	0	0	0	6	6	0	0	0	0	0	0	0	12
ESE	0	1	1	8	8	4	0	0	0	0	0	0	22
SE	0	0	0	6	20	32	7	0	0	0	0	0	65
SSE	0	0	0	1	7	31	35	3	0	0	0	0	77
S	0	0	0	2	4	21	22	8	1	0	0	0	58
SSW	0	0	2	5	2	22	14	1	0	0	0	0	46
SW	0	0	1	2	3	7	5	0	0	0	0	0	18
WSW	0	0	0	3	3	8	3	0	0	0	0	0	17
W	0	0	3	4	11	6	4	0	0	0	0	0	28
WNW	0	1	0	2	3	6	6	0	0	0	0	0	18
NW	0	0	2	10	12	18	10	2	0	0	0	0	54
NNW	0	0	3	10	14	30	38	0	0	0	0	0	95
TOTAL	0	3	24	103	169	269	181	14	1	0	0	0	764

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 764
TOTAL HOURS FOR THE PERIOD: 764

STABILITY CLASS E

FROM 1/ 1/07 0:00 TO 3/31/07 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	1	4	7	12	1	0	0	0	0	0	26
NNE	0	2	1	5	6	2	0	0	0	0	0	0	16
NE	0	2	1	5	9	6	0	0	0	0	0	0	23
ENE	0	2	3	10	8	4	1	0	0	0	0	0	28
E	0	1	2	6	3	0	0	0	0	0	0	0	12
ESE	0	3	4	28	19	11	0	0	0	0	0	0	65
SE	0	2	5	45	45	31	1	0	0	0	0	0	129
SSE	0	1	1	9	9	18	12	1	0	0	0	0	51
S	0	0	3	3	7	18	4	1	0	0	0	0	36
SSW	0	2	0	4	6	13	8	0	0	0	0	0	33
SW	1	0	3	5	4	5	0	1	0	0	0	0	19
WSW	0	0	1	5	1	11	0	0	0	0	0	0	18
W	0	0	1	3	2	7	0	0	0	0	0	0	13
WNW	0	1	1	2	3	4	1	0	0	0	0	0	12
NW	0	0	2	6	10	11	6	1	0	0	0	0	36
NNW	1	0	2	8	15	11	5	0	0	0	0	0	42
TOTAL	2	17	31	148	154	164	39	4	0	0	0	0	559

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 559
TOTAL HOURS FOR THE PERIOD: 559

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 1/ 1/07 0:00 TO 3/31/07 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	2	1	6	0	0	0	0	0	0	0	0	10
NNE	0	1	1	11	2	0	0	0	0	0	0	0	15
NE	0	2	1	5	10	0	0	0	0	0	0	0	18
ENE	0	3	4	8	4	0	0	0	0	0	0	0	19
E	1	6	1	0	2	1	0	0	0	0	0	0	11
ESE	1	4	8	16	4	0	0	0	0	0	0	0	33
SE	0	6	5	28	15	1	0	0	0	0	0	0	55
SSE	0	0	2	11	3	0	0	0	0	0	0	0	16
S	1	0	0	4	0	2	0	0	0	0	0	0	7
SSW	0	2	2	8	6	4	1	0	0	0	0	0	23
SW	0	1	3	9	0	2	1	0	0	0	0	0	16
WSW	0	1	2	2	1	1	0	0	0	0	0	0	7
W	0	0	1	1	1	2	0	0	0	0	0	0	5
WNW	0	1	4	2	1	0	0	0	0	0	0	0	8
NW	0	2	2	6	1	0	0	0	0	0	0	0	11
NNW	0	0	2	5	0	0	0	0	0	0	0	0	7
TOTAL	4	31	39	122	50	13	2	0	0	0	0	0	261

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 261
TOTAL HOURS FOR THE PERIOD: 261

STABILITY CLASS G

FROM 1/ 1/07 0:00 TO 3/31/07 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	5	7	5	3	0	0	0	0	0	0	0	0	20
NNE	12	7	5	0	0	0	0	0	0	0	0	0	24
NE	9	20	1	2	1	0	0	0	0	0	0	0	33
ENE	3	21	12	4	0	0	0	0	0	0	0	0	40
E	0	5	11	4	0	0	0	0	0	0	0	0	20
ESE	1	5	5	0	0	0	0	0	0	0	0	0	11
SE	0	3	9	10	0	0	0	0	0	0	0	0	22
SSE	0	2	0	4	0	0	0	0	0	0	0	0	6
S	1	0	4	3	0	0	0	0	0	0	0	0	8
SSW	0	2	3	2	0	0	0	0	0	0	0	0	7
SW	0	1	2	2	0	0	0	0	0	0	0	0	5
WSW	1	0	0	2	0	0	0	0	0	0	0	0	3
W	1	3	4	0	0	0	0	0	0	0	0	0	8
WNW	0	10	5	2	0	0	0	0	0	0	0	0	17
NW	3	14	17	1	0	0	0	0	0	0	0	0	35
NNW	8	17	11	4	0	0	0	0	0	0	0	0	40
TOTAL	44	117	94	43	1	0	0	0	0	0	0	0	299

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 299
TOTAL HOURS FOR THE PERIOD: 299

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 4/ 1/07 0:00 TO 6/30/07 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	31	20	30	24	34	16	0	0	0	0	0	177
NNE	22	22	11	35	24	42	4	0	0	0	0	0	160
NE	16	30	23	19	23	10	0	0	0	0	0	0	121
ENE	5	23	17	21	12	2	0	0	0	0	0	0	80
E	7	19	22	18	3	1	0	0	0	0	0	0	70
ESE	1	17	28	24	21	14	0	0	0	0	0	0	105
SE	2	18	25	90	58	107	9	0	0	0	0	0	309
SSE	0	10	17	38	35	105	45	1	0	0	0	0	251
S	2	4	4	15	27	54	36	0	0	0	0	0	142
SSW	0	3	7	19	22	24	4	0	0	0	0	0	79
SW	3	6	6	9	9	5	1	0	0	0	0	0	39
WSW	3	6	9	11	10	18	0	0	0	0	0	0	57
W	2	18	10	22	15	15	2	0	0	0	0	0	84
WNW	10	32	20	18	15	7	2	0	0	0	0	0	104
NW	7	30	19	11	9	19	19	2	0	0	0	0	116
NNW	8	30	26	24	21	15	16	2	0	0	0	0	142
TOTAL	110	299	264	404	328	472	154	5	0	0	0	0	2036

NUMBER OF CALMS: 5
NUMBER OF INVALID HOURS: 143
NUMBER OF VALID HOURS: 2041
TOTAL HOURS FOR THE PERIOD: 2184

STABILITY CLASS A

FROM 4/ 1/07 0:00 TO 6/30/07 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	0	0	1	5	13	7	0	0	0	0	0	27
NNE	1	0	0	4	12	25	2	0	0	0	0	0	44
NE	0	1	0	0	13	8	0	0	0	0	0	0	22
ENE	0	0	0	4	11	1	0	0	0	0	0	0	16
E	0	0	0	4	2	0	0	0	0	0	0	0	6
ESE	0	0	1	6	14	13	0	0	0	0	0	0	34
SE	0	0	1	5	13	60	7	0	0	0	0	0	86
SSE	0	0	1	0	11	36	11	0	0	0	0	0	59
S	0	0	0	0	2	8	8	0	0	0	0	0	18
SSW	0	0	0	1	2	4	0	0	0	0	0	0	7
SW	0	0	0	3	4	2	0	0	0	0	0	0	9
WSW	0	0	0	1	2	13	0	0	0	0	0	0	16
W	0	0	0	5	10	8	2	0	0	0	0	0	25
WNW	0	0	1	1	7	5	2	0	0	0	0	0	16
NW	0	0	0	0	3	9	0	2	0	0	0	0	14
NNW	0	0	0	2	2	3	5	1	0	0	0	0	13
TOTAL	2	1	4	37	113	208	44	3	0	0	0	0	412

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 412
TOTAL HOURS FOR THE PERIOD: 412

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 4/ 1/07 0:00 TO 6/30/07 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	2	3	0	0	0	0	0	5
NNE	0	0	0	0	1	0	1	0	0	0	0	0	2
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	1	1	0	0	0	0	0	0	0	2
SE	0	0	0	0	1	5	0	0	0	0	0	0	6
SSE	0	0	0	0	1	2	2	0	0	0	0	0	5
S	0	0	0	0	0	5	6	0	0	0	0	0	11
SSW	0	0	0	1	1	0	0	0	0	0	0	0	2
SW	0	0	0	1	1	0	0	0	0	0	0	0	2
WSW	0	0	0	1	1	0	0	0	0	0	0	0	2
W	0	0	1	2	1	1	0	0	0	0	0	0	5
WNW	0	0	0	1	0	0	0	0	0	0	0	0	1
NW	0	0	0	1	3	2	4	0	0	0	0	0	10
NNW	0	0	0	0	1	2	3	1	0	0	0	0	7
TOTAL	0	0	1	8	12	19	19	1	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

STABILITY CLASS C

FROM 4/ 1/07 0:00 TO 6/30/07 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	2	0	0	0	0	0	0	3
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	1	0	0	0	0	0	0	0	0	1
ENE	0	0	0	1	0	0	0	0	0	0	0	0	1
E	0	0	0	2	0	0	0	0	0	0	0	0	2
ESE	0	0	0	1	1	0	0	0	0	0	0	0	2
SE	0	0	0	1	2	1	0	0	0	0	0	0	4
SSE	0	0	0	0	0	1	0	0	0	0	0	0	1
S	0	0	0	0	2	1	1	0	0	0	0	0	4
SSW	0	0	0	0	3	0	0	0	0	0	0	0	3
SW	0	0	0	0	1	0	0	0	0	0	0	0	1
WSW	0	0	0	0	1	0	0	0	0	0	0	0	1
W	0	0	0	1	0	0	0	0	0	0	0	0	1
WNW	0	0	0	0	1	1	0	0	0	0	0	0	2
NW	0	0	0	1	0	0	2	0	0	0	0	0	3
NNW	0	0	0	2	0	1	3	0	0	0	0	0	6
TOTAL	0	0	0	10	12	7	6	0	0	0	0	0	35

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 1
NUMBER OF VALID HOURS: 35
TOTAL HOURS FOR THE PERIOD: 36

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 4/ 1/07 0:00 TO 6/30/07 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	2	3	13	5	0	0	0	0	0	24
NNE	0	0	1	7	3	5	0	0	0	0	0	0	16
NE	0	1	1	4	4	0	0	0	0	0	0	0	10
ENE	0	0	0	5	1	0	0	0	0	0	0	0	6
E	0	0	1	3	1	0	0	0	0	0	0	0	5
ESE	0	0	3	7	4	1	0	0	0	0	0	0	15
SE	0	1	2	10	17	17	2	0	0	0	0	0	49
SSE	0	0	0	5	6	34	24	1	0	0	0	0	70
S	0	0	1	4	6	14	12	0	0	0	0	0	37
SSW	0	0	0	2	11	4	4	0	0	0	0	0	21
SW	1	0	1	1	2	2	1	0	0	0	0	0	8
WSW	1	0	0	2	2	4	0	0	0	0	0	0	9
W	1	1	1	6	3	4	0	0	0	0	0	0	16
WNW	0	0	1	6	5	1	0	0	0	0	0	0	13
NW	0	0	0	1	2	6	13	0	0	0	0	0	22
NNW	0	0	0	2	5	5	5	0	0	0	0	0	17
TOTAL	3	3	13	67	75	110	66	1	0	0	0	0	338

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 4
NUMBER OF VALID HOURS: 338
TOTAL HOURS FOR THE PERIOD: 342

STABILITY CLASS E

FROM 4/ 1/07 0:00 TO 6/30/07 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	6	5	6	8	4	1	0	0	0	0	0	30
NNE	2	5	5	7	6	12	1	0	0	0	0	0	38
NE	2	5	9	8	3	1	0	0	0	0	0	0	28
ENE	2	4	8	6	0	1	0	0	0	0	0	0	21
E	1	9	14	7	0	1	0	0	0	0	0	0	32
ESE	0	5	14	8	1	0	0	0	0	0	0	0	28
SE	0	4	10	54	20	21	0	0	0	0	0	0	109
SSE	0	3	1	15	11	24	7	0	0	0	0	0	61
S	0	2	2	10	15	17	5	0	0	0	0	0	51
SSW	0	1	6	12	3	12	0	0	0	0	0	0	34
SW	0	3	3	3	0	1	0	0	0	0	0	0	10
WSW	0	2	8	5	4	1	0	0	0	0	0	0	20
W	0	3	2	6	1	2	0	0	0	0	0	0	14
WNW	2	4	9	7	2	0	0	0	0	0	0	0	24
NW	0	4	4	6	1	2	0	0	0	0	0	0	17
NNW	0	0	8	10	10	4	0	0	0	0	0	0	32
TOTAL	9	60	108	170	85	103	14	0	0	0	0	0	549

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 14
NUMBER OF VALID HOURS: 549
TOTAL HOURS FOR THE PERIOD: 563

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 4/ 1/07 0:00 TO 6/30/07 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	6	11	8	6	0	0	0	0	0	0	0	33
NNE	2	6	1	12	2	0	0	0	0	0	0	0	23
NE	2	13	7	3	3	1	0	0	0	0	0	0	29
ENE	1	11	7	3	0	0	0	0	0	0	0	0	22
E	3	5	5	1	0	0	0	0	0	0	0	0	14
ESE	1	7	7	1	0	0	0	0	0	0	0	0	16
SE	2	7	9	18	4	3	0	0	0	0	0	0	43
SSE	0	3	11	13	4	7	1	0	0	0	0	0	39
S	1	1	1	1	2	6	3	0	0	0	0	0	15
SSW	0	1	1	2	0	1	0	0	0	0	0	0	5
SW	1	1	2	1	1	0	0	0	0	0	0	0	6
WSW	0	3	0	2	0	0	0	0	0	0	0	0	5
W	0	6	5	2	0	0	0	0	0	0	0	0	13
WNW	4	11	7	3	0	0	0	0	0	0	0	0	25
NW	2	8	8	1	0	0	0	0	0	0	0	0	19
NNW	3	7	3	4	2	0	0	0	0	0	0	0	19
TOTAL	24	96	85	75	24	18	4	0	0	0	0	0	326

NUMBER OF CALMS: 4
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 330
TOTAL HOURS FOR THE PERIOD: 330

STABILITY CLASS G

FROM 4/ 1/07 0:00 TO 6/30/07 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	19	3	13	1	0	0	0	0	0	0	0	55
NNE	17	11	4	5	0	0	0	0	0	0	0	0	37
NE	12	10	6	3	0	0	0	0	0	0	0	0	31
ENE	2	8	2	2	0	0	0	0	0	0	0	0	14
E	3	5	2	1	0	0	0	0	0	0	0	0	11
ESE	0	5	3	0	0	0	0	0	0	0	0	0	8
SE	0	6	3	2	1	0	0	0	0	0	0	0	12
SSE	0	4	4	5	2	1	0	0	0	0	0	0	16
S	1	1	0	0	0	3	1	0	0	0	0	0	6
SSW	0	1	0	1	2	3	0	0	0	0	0	0	7
SW	1	2	0	0	0	0	0	0	0	0	0	0	3
WSW	2	1	1	0	0	0	0	0	0	0	0	0	4
W	1	8	1	0	0	0	0	0	0	0	0	0	10
WNW	4	17	2	0	0	0	0	0	0	0	0	0	23
NW	5	18	7	1	0	0	0	0	0	0	0	0	31
NNW	5	23	15	4	1	0	0	0	0	0	0	0	48
TOTAL	72	139	53	37	7	7	1	0	0	0	0	0	316

NUMBER OF CALMS: 1
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 317
TOTAL HOURS FOR THE PERIOD: 317

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 7/ 1/07 0:00 TO 9/30/07 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	18	18	30	53	18	22	1	0	0	0	0	0	160
NNE	18	20	28	38	13	19	0	0	0	0	0	0	136
NE	10	23	22	38	21	4	0	0	0	0	0	0	118
ENE	11	21	17	41	18	1	0	0	0	0	0	0	109
E	7	20	20	27	13	0	0	0	0	0	0	0	87
ESE	8	17	17	25	14	1	0	0	0	0	0	0	82
SE	7	29	39	67	75	49	5	0	0	0	0	0	271
SSE	5	11	17	46	40	38	12	0	0	0	0	0	169
S	2	6	6	12	21	40	10	0	0	0	0	0	97
SSW	3	7	12	21	18	33	4	0	0	0	0	0	98
SW	4	11	11	15	21	17	0	0	0	0	0	0	79
WSW	6	11	16	16	27	20	0	0	0	0	0	0	96
W	12	27	12	24	22	38	1	0	0	0	0	0	136
WNW	15	28	16	22	24	21	3	0	0	0	0	0	129
NW	23	47	12	15	14	9	0	0	0	0	0	0	120
NNW	27	36	20	24	18	24	2	0	0	0	0	0	151
TOTAL	176	332	295	484	377	336	38	0	0	0	0	0	2038

NUMBER OF CALMS: 5
NUMBER OF INVALID HOURS: 165
NUMBER OF VALID HOURS: 2043
TOTAL HOURS FOR THE PERIOD: 2208

STABILITY CLASS A

FROM 7/ 1/07 0:00 TO 9/30/07 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	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	1	0	0	0	0	0	0	1
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	1

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

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 7/ 1/07 0:00 TO 9/30/07 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	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0

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

STABILITY CLASS C

FROM 7/ 1/07 0:00 TO 9/30/07 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	0	0	0	0	0	0	1
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	1	0	0	0	0	0	0	0	0	1
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	2

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

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 7/ 1/07 0:00 TO 9/30/07 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	3	5	1	0	0	0	0	0	0	0	9
NNE	0	2	1	5	1	3	0	0	0	0	0	0	12
NE	0	3	3	7	6	2	0	0	0	0	0	0	21
ENE	0	1	5	10	4	0	0	0	0	0	0	0	20
E	0	1	5	12	3	0	0	0	0	0	0	0	21
ESE	0	1	6	6	2	0	0	0	0	0	0	0	15
SE	0	2	6	17	19	13	4	0	0	0	0	0	61
SSE	0	0	1	9	8	2	4	0	0	0	0	0	24
S	0	0	1	1	4	4	0	0	0	0	0	0	10
SSW	0	0	1	1	3	4	1	0	0	0	0	0	10
SW	0	0	2	2	2	1	0	0	0	0	0	0	7
WSW	0	0	1	1	2	1	0	0	0	0	0	0	5
W	0	1	1	3	2	2	0	0	0	0	0	0	9
WNW	0	2	1	6	5	2	3	0	0	0	0	0	19
NW	0	0	1	4	3	1	0	0	0	0	0	0	9
NNW	0	1	1	4	1	1	1	0	0	0	0	0	9
TOTAL	0	14	39	93	66	36	13	0	0	0	0	0	261

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 261
TOTAL HOURS FOR THE PERIOD: 261

STABILITY CLASS E

FROM 7/ 1/07 0:00 TO 9/30/07 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	6	12	14	5	20	1	0	0	0	0	0	60
NNE	2	10	7	15	10	16	0	0	0	0	0	0	60
NE	2	6	16	20	14	1	0	0	0	0	0	0	59
ENE	4	10	8	26	10	0	0	0	0	0	0	0	58
E	3	12	10	11	8	0	0	0	0	0	0	0	44
ESE	5	11	11	14	8	1	0	0	0	0	0	0	50
SE	3	9	22	42	42	29	1	0	0	0	0	0	148
SSE	2	8	11	23	16	19	7	0	0	0	0	0	86
S	1	3	2	7	5	7	6	0	0	0	0	0	31
SSW	1	4	8	14	2	4	0	0	0	0	0	0	33
SW	1	8	5	8	2	3	0	0	0	0	0	0	27
WSW	2	5	8	6	7	11	0	0	0	0	0	0	39
W	4	11	6	10	11	16	1	0	0	0	0	0	59
WNW	9	6	10	12	9	15	0	0	0	0	0	0	61
NW	2	7	5	2	5	7	0	0	0	0	0	0	28
NNW	4	5	7	7	7	18	1	0	0	0	0	0	49
TOTAL	47	121	148	231	161	167	17	0	0	0	0	0	892

NUMBER OF CALMS: 1
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 893
TOTAL HOURS FOR THE PERIOD: 893

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 7/ 1/07 0:00 TO 9/30/07 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	5	5	9	19	7	2	0	0	0	0	0	0	47
NNE	8	7	17	15	2	0	0	0	0	0	0	0	49
NE	3	10	2	10	1	0	0	0	0	0	0	0	26
ENE	7	7	4	5	4	0	0	0	0	0	0	0	27
E	2	6	4	2	2	0	0	0	0	0	0	0	16
ESE	3	4	0	4	4	0	0	0	0	0	0	0	15
SE	2	18	10	8	13	7	0	0	0	0	0	0	58
SSE	1	3	5	14	10	17	1	0	0	0	0	0	51
S	1	3	2	1	3	24	4	0	0	0	0	0	38
SSW	2	3	3	3	5	18	3	0	0	0	0	0	37
SW	3	2	4	2	14	9	0	0	0	0	0	0	34
WSW	3	5	5	5	14	8	0	0	0	0	0	0	40
W	5	9	4	9	7	20	0	0	0	0	0	0	54
WNW	4	11	5	2	8	4	0	0	0	0	0	0	34
NW	12	18	3	6	3	1	0	0	0	0	0	0	43
NNW	13	16	3	9	7	5	0	0	0	0	0	0	53
TOTAL	74	127	80	114	104	115	8	0	0	0	0	0	622

NUMBER OF CALMS: 1
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 623
TOTAL HOURS FOR THE PERIOD: 623

STABILITY CLASS G

FROM 7/ 1/07 0:00 TO 9/30/07 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	7	6	15	5	0	0	0	0	0	0	0	44
NNE	8	1	3	3	0	0	0	0	0	0	0	0	15
NE	5	4	1	1	0	0	0	0	0	0	0	0	11
ENE	0	3	0	0	0	0	0	0	0	0	0	0	3
E	2	1	1	2	0	0	0	0	0	0	0	0	6
ESE	0	1	0	0	0	0	0	0	0	0	0	0	1
SE	2	0	1	0	1	0	0	0	0	0	0	0	4
SSE	2	0	0	0	6	0	0	0	0	0	0	0	8
S	0	0	1	3	9	5	0	0	0	0	0	0	18
SSW	0	0	0	3	8	7	0	0	0	0	0	0	18
SW	0	1	0	3	3	4	0	0	0	0	0	0	11
WSW	1	1	2	4	4	0	0	0	0	0	0	0	12
W	3	6	1	2	2	0	0	0	0	0	0	0	14
WNW	2	9	0	2	2	0	0	0	0	0	0	0	15
NW	9	22	3	3	3	0	0	0	0	0	0	0	40
NNW	10	14	9	4	3	0	0	0	0	0	0	0	40
TOTAL	55	70	28	45	46	16	0	0	0	0	0	0	260

NUMBER OF CALMS: 3
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 263
TOTAL HOURS FOR THE PERIOD: 263

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 10/ 1/07 0:00 TO 12/31/07 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	9	27	25	64	47	44	47	0	0	0	0	0	263
NNE	26	25	19	69	67	27	7	0	0	0	0	0	240
NE	20	32	14	64	38	24	1	0	0	0	0	0	193
ENE	8	34	25	24	26	9	0	0	0	0	0	0	126
E	2	19	21	21	14	3	0	0	0	0	0	0	80
ESE	3	20	27	44	28	18	0	0	0	0	0	0	140
SE	4	5	22	106	127	86	5	0	0	0	0	0	355
SSE	1	7	11	35	32	64	22	1	0	0	0	0	173
S	1	10	10	21	22	37	8	0	0	0	0	0	109
SSW	0	4	6	14	17	10	5	0	0	0	0	0	56
SW	0	2	1	11	8	16	3	0	0	0	0	0	41
WSW	1	2	6	3	5	5	2	0	0	0	0	0	24
W	1	5	0	11	14	11	0	0	0	0	0	0	42
WNW	2	5	5	15	5	21	13	0	0	0	0	0	66
NW	3	14	9	9	8	25	33	1	0	0	0	0	102
NNW	6	23	21	17	20	41	23	0	0	0	0	0	151
TOTAL	87	234	222	528	478	441	169	2	0	0	0	0	2161

NUMBER OF CALMS: 1
NUMBER OF INVALID HOURS: 46
NUMBER OF VALID HOURS: 2162
TOTAL HOURS FOR THE PERIOD: 2208

STABILITY CLASS A

FROM 10/ 1/07 0:00 TO 12/31/07 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	5	0	0	0	0	0	8
NNE	0	0	0	0	3	7	5	0	0	0	0	0	15
NE	0	0	1	0	5	6	1	0	0	0	0	0	13
ENE	0	0	1	0	5	4	0	0	0	0	0	0	10
E	0	0	0	0	3	3	0	0	0	0	0	0	6
ESE	0	0	0	0	9	5	0	0	0	0	0	0	14
SE	0	0	0	0	10	19	0	0	0	0	0	0	29
SSE	0	0	0	0	0	10	1	0	0	0	0	0	11
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	1	0	0	0	0	0	0	1
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	1	0	0	0	0	0	1
NNW	0	0	0	0	0	0	1	0	0	0	0	0	1
TOTAL	0	0	2	0	35	58	14	0	0	0	0	0	109

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 1
NUMBER OF VALID HOURS: 109
TOTAL HOURS FOR THE PERIOD: 110

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 10/ 1/07 0:00 TO 12/31/07 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	14	16	0	0	0	0	0	30
NNE	0	0	0	0	5	5	0	0	0	0	0	0	10
NE	0	0	0	1	7	0	0	0	0	0	0	0	8
ENE	0	0	1	0	2	0	0	0	0	0	0	0	3
E	0	0	0	2	3	0	0	0	0	0	0	0	5
ESE	0	0	0	5	4	2	0	0	0	0	0	0	11
SE	0	0	0	2	9	9	1	0	0	0	0	0	21
SSE	0	0	0	0	3	9	6	0	0	0	0	0	18
S	0	0	0	0	0	10	3	0	0	0	0	0	13
SSW	0	0	0	0	0	2	0	0	0	0	0	0	2
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	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	1	2	0	0	0	0	0	3
NNW	0	0	0	0	0	2	2	0	0	0	0	0	4
TOTAL	0	0	1	10	33	54	31	0	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/ 1/07 0:00 TO 12/31/07 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	4	6	0	0	0	0	0	11
NNE	0	0	0	2	4	3	2	0	0	0	0	0	11
NE	0	0	0	0	3	0	0	0	0	0	0	0	3
ENE	0	0	0	2	3	0	0	0	0	0	0	0	5
E	0	0	0	2	1	0	0	0	0	0	0	0	3
ESE	0	0	0	2	0	0	0	0	0	0	0	0	2
SE	0	0	0	1	1	3	1	0	0	0	0	0	6
SSE	0	0	0	0	1	0	1	0	0	0	0	0	2
S	0	0	0	0	1	4	1	0	0	0	0	0	6
SSW	0	0	0	0	1	3	2	0	0	0	0	0	6
SW	0	0	0	0	1	5	1	0	0	0	0	0	7
WSW	0	0	0	0	0	1	0	0	0	0	0	0	1
W	0	0	0	0	1	1	0	0	0	0	0	0	2
WNW	0	0	1	0	0	0	0	0	0	0	0	0	1
NW	0	0	0	0	1	1	3	0	0	0	0	0	5
NNW	0	0	0	0	0	2	2	0	0	0	0	0	4
TOTAL	0	0	1	9	19	27	19	0	0	0	0	0	75

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 75
TOTAL HOURS FOR THE PERIOD: 75

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 10/ 1/07 0:00 TO 12/31/07 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	0	8	16	19	17	0	0	0	0	0	61
NNE	0	0	0	9	23	4	0	0	0	0	0	0	36
NE	0	0	2	18	9	10	0	0	0	0	0	0	39
ENE	0	0	2	5	7	2	0	0	0	0	0	0	16
E	0	0	1	11	2	0	0	0	0	0	0	0	14
ESE	0	1	4	16	4	4	0	0	0	0	0	0	29
SE	0	0	1	20	33	23	3	0	0	0	0	0	80
SSE	0	0	0	0	8	28	12	1	0	0	0	0	49
S	0	0	1	5	8	17	3	0	0	0	0	0	34
SSW	0	0	0	2	7	3	3	0	0	0	0	0	15
SW	0	0	0	7	5	8	1	0	0	0	0	0	21
WSW	0	0	1	2	5	4	2	0	0	0	0	0	14
W	0	0	0	5	13	10	0	0	0	0	0	0	28
WNW	0	0	1	1	5	21	10	0	0	0	0	0	38
NW	0	0	0	5	6	18	23	1	0	0	0	0	53
NNW	0	0	0	2	11	33	16	0	0	0	0	0	62
TOTAL	0	2	13	116	162	204	90	2	0	0	0	0	589

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 589
TOTAL HOURS FOR THE PERIOD: 589

STABILITY CLASS E

FROM 10/ 1/07 0:00 TO 12/31/07 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	3	4	7	38	28	4	3	0	0	0	0	0	87
NNE	0	1	9	22	31	7	0	0	0	0	0	0	70
NE	0	3	4	31	13	8	0	0	0	0	0	0	59
ENE	0	3	7	10	6	3	0	0	0	0	0	0	29
E	0	6	9	5	5	0	0	0	0	0	0	0	25
ESE	0	9	12	19	11	7	0	0	0	0	0	0	58
SE	0	4	9	72	72	32	0	0	0	0	0	0	189
SSE	0	2	3	32	19	17	2	0	0	0	0	0	75
S	0	1	8	13	11	6	1	0	0	0	0	0	40
SSW	0	1	3	12	9	1	0	0	0	0	0	0	26
SW	0	0	0	3	2	3	0	0	0	0	0	0	8
WSW	0	0	5	1	0	0	0	0	0	0	0	0	6
W	0	3	0	6	0	0	0	0	0	0	0	0	9
WNW	0	2	2	14	0	0	3	0	0	0	0	0	21
NW	0	1	1	4	1	5	4	0	0	0	0	0	16
NNW	0	1	2	9	7	4	2	0	0	0	0	0	25
TOTAL	3	41	81	291	215	97	15	0	0	0	0	0	743

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 2
NUMBER OF VALID HOURS: 743
TOTAL HOURS FOR THE PERIOD: 745

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 10/ 1/07 0:00 TO 12/31/07 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	10	10	1	0	0	0	0	0	0	0	23
NNE	1	5	5	29	1	0	0	0	0	0	0	0	41
NE	2	6	6	14	1	0	0	0	0	0	0	0	29
ENE	3	9	5	7	3	0	0	0	0	0	0	0	27
E	0	9	8	1	0	0	0	0	0	0	0	0	18
ESE	2	6	8	2	0	0	0	0	0	0	0	0	18
SE	2	1	12	10	2	0	0	0	0	0	0	0	27
SSE	0	4	4	3	0	0	0	0	0	0	0	0	11
S	1	3	0	2	2	0	0	0	0	0	0	0	8
SSW	0	1	2	0	0	0	0	0	0	0	0	0	3
SW	0	0	1	1	0	0	0	0	0	0	0	0	2
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	1	1	1	0	0	0	0	0	0	0	0	0	3
NW	1	4	2	0	0	0	0	0	0	0	0	0	7
NNW	1	4	3	3	2	0	0	0	0	0	0	0	13
TOTAL	15	54	67	82	12	0	0	0	0	0	0	0	230

NUMBER OF CALMS: 1
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 231
TOTAL HOURS FOR THE PERIOD: 231

STABILITY CLASS G

FROM 10/ 1/07 0:00 TO 12/31/07 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	5	21	8	8	1	0	0	0	0	0	0	0	43
NNE	25	19	5	7	0	1	0	0	0	0	0	0	57
NE	18	23	1	0	0	0	0	0	0	0	0	0	42
ENE	5	22	9	0	0	0	0	0	0	0	0	0	36
E	2	4	3	0	0	0	0	0	0	0	0	0	9
ESE	1	4	3	0	0	0	0	0	0	0	0	0	8
SE	2	0	0	1	0	0	0	0	0	0	0	0	3
SSE	1	1	4	0	1	0	0	0	0	0	0	0	7
S	0	6	1	1	0	0	0	0	0	0	0	0	8
SSW	0	2	1	0	0	0	0	0	0	0	0	0	3
SW	0	2	0	0	0	0	0	0	0	0	0	0	2
WSW	1	2	0	0	0	0	0	0	0	0	0	0	3
W	1	2	0	0	0	0	0	0	0	0	0	0	3
WNW	1	2	0	0	0	0	0	0	0	0	0	0	3
NW	2	9	6	0	0	0	0	0	0	0	0	0	17
NNW	5	18	16	3	0	0	0	0	0	0	0	0	42
TOTAL	69	137	57	20	2	1	0	0	0	0	0	0	286

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 286
TOTAL HOURS FOR THE PERIOD: 286

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 1/ 1/07 0:00 TO 3/31/07 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	1	1	2	8	12	53	91	11	0	0	0	0	179
NNE	0	0	3	10	14	62	53	0	0	0	0	0	142
NE	0	0	1	6	3	20	72	2	0	0	0	0	104
ENE	0	0	0	2	10	22	24	18	0	0	0	0	76
E	1	0	2	4	11	21	18	10	1	0	0	0	68
ESE	0	0	1	3	4	27	256	76	1	0	0	0	368
SE	0	0	0	1	2	25	128	29	0	0	0	0	185
SSE	0	0	1	4	7	31	81	38	4	0	0	0	166
S	0	0	1	5	8	35	71	13	9	0	0	0	142
SSW	0	0	1	3	7	38	53	8	1	0	0	0	111
SW	0	1	2	3	5	18	29	2	1	0	0	0	61
WSW	0	1	2	4	16	36	21	3	0	0	0	0	83
W	0	0	2	6	12	22	21	1	0	0	0	0	64
WNW	0	0	1	6	7	21	22	6	4	0	0	0	67
NW	0	1	0	5	14	38	52	16	4	0	0	0	130
NNW	0	1	3	8	11	40	85	28	0	0	0	0	176
TOTAL	2	5	22	78	143	509	1077	261	25	0	0	0	2122

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 38
NUMBER OF VALID HOURS: 2122
TOTAL HOURS FOR THE PERIOD: 2160

STABILITY CLASS A

FROM 1/ 1/07 0:00 TO 3/31/07 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	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	5	0	0	0	0	0	5
ENE	0	0	0	0	0	2	6	1	0	0	0	0	9
E	0	0	0	0	2	4	1	0	0	0	0	0	7
ESE	0	0	0	0	2	4	49	7	1	0	0	0	63
SE	0	0	0	0	0	5	24	9	0	0	0	0	38
SSE	0	0	0	0	0	1	4	1	0	0	0	0	6
S	0	0	0	0	0	0	0	1	0	0	0	0	1
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	2	5	0	0	0	0	0	7
W	0	0	0	0	0	0	3	1	0	0	0	0	4
WNW	0	0	0	0	0	0	0	1	1	0	0	0	2
NW	0	0	0	0	0	0	2	1	0	0	0	0	3
NNW	0	0	0	0	0	0	0	2	0	0	0	0	2
TOTAL	0	0	0	0	4	18	99	24	2	0	0	0	147

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 147
TOTAL HOURS FOR THE PERIOD: 147

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 1/ 1/07 0:00 TO 3/31/07 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	3	0	0	0	0	0	3
NNE	0	0	0	0	0	0	2	0	0	0	0	0	2
NE	0	0	0	0	0	1	1	0	0	0	0	0	2
ENE	0	0	0	0	2	1	0	0	0	0	0	0	3
E	0	0	0	0	0	0	1	0	0	0	0	0	1
ESE	0	0	0	0	0	0	10	3	0	0	0	0	13
SE	0	0	0	0	0	1	3	1	0	0	0	0	5
SSE	0	0	0	0	0	1	1	4	0	0	0	0	6
S	0	0	0	0	0	0	2	2	0	0	0	0	4
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	1	0	3	0	0	0	0	0	4
WNW	0	0	0	0	0	0	1	2	0	0	0	0	3
NW	0	0	0	0	0	2	1	5	0	0	0	0	8
NNW	0	0	0	0	0	0	1	3	0	0	0	0	4
TOTAL	0	0	0	0	3	6	29	20	0	0	0	0	58

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 58
TOTAL HOURS FOR THE PERIOD: 58

STABILITY CLASS C

FROM 1/ 1/07 0:00 TO 3/31/07 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	2	0	0	0	0	0	2
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	1	1	0	0	0	0	0	0	2
ENE	0	0	0	0	0	0	1	0	0	0	0	0	1
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	6	1	0	0	0	0	7
SE	0	0	0	0	0	1	3	0	0	0	0	0	4
SSE	0	0	0	0	0	0	1	3	0	0	0	0	4
S	0	0	0	0	0	0	2	2	0	0	0	0	4
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	1	1	0	0	0	0	2
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	1	0	0	0	1
NW	0	1	0	0	0	0	1	1	1	0	0	0	4
NNW	0	0	0	0	0	0	1	2	0	0	0	0	3
TOTAL	0	1	0	0	1	2	18	10	2	0	0	0	34

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 34
TOTAL HOURS FOR THE PERIOD: 34

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 1/ 1/07 0:00 TO 3/31/07 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	5	6	34	59	10	0	0	0	0	115
NNE	0	0	1	7	9	33	38	0	0	0	0	0	88
NE	0	0	0	4	1	7	26	1	0	0	0	0	39
ENE	0	0	0	0	3	4	6	6	0	0	0	0	19
E	0	0	0	0	4	3	3	0	0	0	0	0	10
ESE	0	0	0	1	1	4	25	14	0	0	0	0	45
SE	0	0	0	0	0	6	32	12	0	0	0	0	50
SSE	0	0	0	0	1	4	45	21	3	0	0	0	74
S	0	0	0	0	2	6	31	6	9	0	0	0	54
SSW	0	0	1	1	2	10	22	6	1	0	0	0	43
SW	0	0	0	0	0	5	8	2	0	0	0	0	15
WSW	0	1	0	1	6	8	8	2	0	0	0	0	26
W	0	0	0	1	2	10	8	0	0	0	0	0	21
WNW	0	0	0	1	0	3	10	1	2	0	0	0	17
NW	0	0	0	1	7	17	24	3	2	0	0	0	54
NNW	0	0	0	5	6	13	50	20	0	0	0	0	94
TOTAL	0	1	3	27	50	167	395	104	17	0	0	0	764

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 764
TOTAL HOURS FOR THE PERIOD: 764

STABILITY CLASS E

FROM 1/ 1/07 0:00 TO 3/31/07 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	7	17	1	0	0	0	0	28
NNE	0	0	0	1	2	11	8	0	0	0	0	0	22
NE	0	0	0	1	1	4	15	1	0	0	0	0	22
ENE	0	0	0	1	1	7	4	7	0	0	0	0	20
E	0	0	1	1	2	3	9	5	1	0	0	0	22
ESE	0	0	1	1	0	9	91	50	0	0	0	0	152
SE	0	0	0	1	1	7	32	7	0	0	0	0	48
SSE	0	0	0	1	1	8	19	9	1	0	0	0	39
S	0	0	0	3	2	9	27	2	0	0	0	0	43
SSW	0	0	0	0	1	8	18	2	0	0	0	0	29
SW	0	0	1	2	1	5	10	0	1	0	0	0	20
WSW	0	0	0	2	3	13	4	0	0	0	0	0	22
W	0	0	1	0	2	5	4	0	0	0	0	0	12
WNW	0	0	0	0	3	2	5	2	0	0	0	0	12
NW	0	0	0	0	2	5	15	6	1	0	0	0	29
NNW	0	0	1	2	1	15	19	1	0	0	0	0	39
TOTAL	0	0	5	17	25	118	297	93	4	0	0	0	559

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 559
TOTAL HOURS FOR THE PERIOD: 559

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 1/ 1/07 0:00 TO 3/31/07 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	1	0	0	1	0	3	5	0	0	0	0	0	10
NNE	0	0	0	1	1	6	4	0	0	0	0	0	12
NE	0	0	1	0	0	2	17	0	0	0	0	0	20
ENE	0	0	0	1	1	3	5	3	0	0	0	0	13
E	0	0	0	2	1	6	2	5	0	0	0	0	16
ESE	0	0	0	0	0	6	54	1	0	0	0	0	61
SE	0	0	0	0	1	3	23	0	0	0	0	0	27
SSE	0	0	1	0	1	4	2	0	0	0	0	0	8
S	0	0	0	1	1	9	3	0	0	0	0	0	14
SSW	0	0	0	1	2	14	11	0	0	0	0	0	28
SW	0	0	0	0	3	6	8	0	0	0	0	0	17
WSW	0	0	0	0	1	5	2	0	0	0	0	0	8
W	0	0	0	0	0	2	0	0	0	0	0	0	2
WNW	0	0	0	0	0	2	2	0	0	0	0	0	4
NW	0	0	0	0	1	5	5	0	0	0	0	0	11
NNW	0	0	0	0	1	4	5	0	0	0	0	0	10
TOTAL	1	0	2	7	14	80	148	9	0	0	0	0	261

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 261
TOTAL HOURS FOR THE PERIOD: 261

STABILITY CLASS G

FROM 1/ 1/07 0:00 TO 3/31/07 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	1	1	1	4	9	5	0	0	0	0	0	21
NNE	0	0	2	1	2	12	1	0	0	0	0	0	18
NE	0	0	0	1	0	5	8	0	0	0	0	0	14
ENE	0	0	0	0	3	5	2	1	0	0	0	0	11
E	1	0	1	1	2	5	2	0	0	0	0	0	12
ESE	0	0	0	1	1	4	21	0	0	0	0	0	27
SE	0	0	0	0	0	2	11	0	0	0	0	0	13
SSE	0	0	0	3	4	13	9	0	0	0	0	0	29
S	0	0	1	1	3	11	6	0	0	0	0	0	22
SSW	0	0	0	1	2	6	2	0	0	0	0	0	11
SW	0	1	1	1	1	2	3	0	0	0	0	0	9
WSW	0	0	2	1	6	8	1	0	0	0	0	0	18
W	0	0	1	5	7	5	3	0	0	0	0	0	21
WNW	0	0	1	5	4	14	4	0	0	0	0	0	28
NW	0	0	0	4	4	9	4	0	0	0	0	0	21
NNW	0	1	2	1	3	8	9	0	0	0	0	0	24
TOTAL	1	3	12	27	46	118	91	1	0	0	0	0	299

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 299
TOTAL HOURS FOR THE PERIOD: 299

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 4/ 1/07 0:00 TO 6/30/07 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	1	1	6	7	29	54	2	0	0	0	0	100
NNE	0	1	1	8	13	33	68	4	0	0	0	0	128
NE	1	0	5	13	9	40	55	5	0	0	0	0	128
ENE	0	0	4	10	15	49	35	7	0	0	0	0	120
E	0	0	1	8	18	70	47	0	0	0	0	0	144
ESE	0	0	3	11	12	74	207	14	1	0	0	0	322
SE	0	1	2	4	5	50	139	15	2	0	0	0	218
SSE	0	0	0	3	12	38	79	28	1	0	0	0	161
S	0	0	1	8	14	44	63	8	0	0	0	0	138
SSW	0	0	1	7	16	40	31	2	0	0	0	0	97
SW	0	0	2	8	15	27	5	0	0	0	0	0	57
WSW	0	1	0	8	15	39	8	0	0	0	0	0	71
W	0	0	1	5	26	48	11	1	0	0	0	0	92
WNW	0	0	1	11	13	42	14	3	3	0	0	0	87
NW	0	0	4	6	11	29	21	13	7	0	0	0	91
NNW	0	2	0	5	8	25	37	4	1	0	0	0	82
TOTAL	1	6	27	121	209	677	874	106	15	0	0	0	2036

NUMBER OF CALMS: 1
NUMBER OF INVALID HOURS: 147
NUMBER OF VALID HOURS: 2037
TOTAL HOURS FOR THE PERIOD: 2184

STABILITY CLASS A

FROM 4/ 1/07 0:00 TO 6/30/07 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	1	8	4	0	0	0	0	0	14
NNE	0	0	0	0	4	5	21	1	0	0	0	0	31
NE	1	0	1	2	2	15	19	1	0	0	0	0	41
ENE	0	0	1	0	0	11	15	2	0	0	0	0	29
E	0	0	0	0	2	7	16	0	0	0	0	0	25
ESE	0	0	0	0	0	7	52	11	1	0	0	0	71
SE	0	0	0	0	2	8	47	9	2	0	0	0	68
SSE	0	0	0	0	1	10	5	7	0	0	0	0	23
S	0	0	0	0	0	4	9	0	0	0	0	0	13
SSW	0	0	0	0	2	5	2	0	0	0	0	0	9
SW	0	0	0	0	1	6	0	0	0	0	0	0	7
WSW	0	0	0	0	2	9	4	0	0	0	0	0	15
W	0	0	0	1	5	15	6	1	0	0	0	0	28
WNW	0	0	0	1	2	8	5	2	1	0	0	0	19
NW	0	0	0	0	1	4	3	1	3	0	0	0	12
NNW	0	0	0	0	1	2	3	1	0	0	0	0	7
TOTAL	1	0	2	5	26	124	211	36	7	0	0	0	412

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 412
TOTAL HOURS FOR THE PERIOD: 412

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 4/ 1/07 0:00 TO 6/30/07 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	4	1	0	0	0	0	6
NNE	0	0	0	0	0	0	0	1	0	0	0	0	1
NE	0	0	0	0	0	0	1	0	0	0	0	0	1
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	1	1	0	0	0	0	0	2
ESE	0	0	0	0	0	0	2	2	0	0	0	0	4
SE	0	0	0	0	0	0	5	0	0	0	0	0	5
SSE	0	0	0	0	0	0	2	3	0	0	0	0	5
S	0	0	0	0	0	2	6	1	0	0	0	0	9
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	1	2	0	0	0	0	0	0	3
WSW	0	0	0	0	3	0	0	0	0	0	0	0	3
W	0	0	0	0	1	1	1	0	0	0	0	0	3
WNW	0	0	0	0	1	2	1	1	1	0	0	0	6
NW	0	0	0	0	1	2	1	3	0	0	0	0	7
NNW	0	0	0	0	0	1	1	2	1	0	0	0	5
TOTAL	0	0	0	0	7	12	25	14	2	0	0	0	60

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

STABILITY CLASS C

FROM 4/ 1/07 0:00 TO 6/30/07 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	2	0	0	0	0	0	3
NNE	0	0	0	0	0	0	1	0	0	0	0	0	1
NE	0	0	0	0	1	0	0	0	0	0	0	0	1
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	3	1	0	0	0	0	0	4
ESE	0	0	0	0	0	0	4	0	0	0	0	0	4
SE	0	0	0	0	0	0	1	1	0	0	0	0	2
SSE	0	0	0	0	0	0	0	1	0	0	0	0	1
S	0	0	0	0	2	1	1	0	0	0	0	0	4
SSW	0	0	0	0	0	1	1	0	0	0	0	0	2
SW	0	0	0	0	0	1	0	0	0	0	0	0	1
WSW	0	0	0	0	0	1	0	0	0	0	0	0	1
W	0	0	0	0	1	0	1	0	0	0	0	0	2
WNW	0	0	0	0	1	0	0	0	0	0	0	0	1
NW	0	0	0	0	1	0	3	0	0	0	0	0	4
NNW	0	0	0	0	0	1	3	0	0	0	0	0	4
TOTAL	0	0	0	0	6	9	18	2	0	0	0	0	35

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 1
NUMBER OF VALID HOURS: 35
TOTAL HOURS FOR THE PERIOD: 36

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 4/ 1/07 0:00 TO 6/30/07 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	2	17	0	0	0	0	0	20
NNE	0	0	0	1	0	5	5	0	0	0	0	0	11
NE	0	0	1	1	0	7	4	1	0	0	0	0	14
ENE	0	0	0	2	2	3	3	0	0	0	0	0	10
E	0	0	0	1	1	6	4	0	0	0	0	0	12
ESE	0	0	0	2	0	8	20	1	0	0	0	0	31
SE	0	0	0	1	0	6	26	3	0	0	0	0	36
SSE	0	0	0	1	2	9	33	14	1	0	0	0	60
S	0	0	0	1	0	11	20	4	0	0	0	0	36
SSW	0	0	0	0	3	7	11	1	0	0	0	0	22
SW	0	0	0	1	3	3	2	0	0	0	0	0	9
WSW	0	1	0	2	1	2	3	0	0	0	0	0	9
W	0	0	0	2	5	7	2	0	0	0	0	0	16
WNW	0	0	0	2	2	7	3	0	1	0	0	0	15
NW	0	0	0	0	2	2	6	9	4	0	0	0	23
NNW	0	0	0	1	0	7	5	1	0	0	0	0	14
TOTAL	0	1	1	18	22	92	164	34	6	0	0	0	338

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 4
NUMBER OF VALID HOURS: 338
TOTAL HOURS FOR THE PERIOD: 342

STABILITY CLASS E

FROM 4/ 1/07 0:00 TO 6/30/07 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	1	0	1	3	9	7	1	0	0	0	0	22
NNE	0	1	0	2	6	8	17	2	0	0	0	0	36
NE	0	0	1	3	4	6	3	1	0	0	0	0	18
ENE	0	0	0	6	5	14	2	2	0	0	0	0	29
E	0	0	0	1	8	20	14	0	0	0	0	0	43
ESE	0	0	1	3	2	33	70	0	0	0	0	0	109
SE	0	0	0	2	0	12	37	2	0	0	0	0	53
SSE	0	0	0	1	4	8	30	3	0	0	0	0	46
S	0	0	0	3	5	13	20	1	0	0	0	0	42
SSW	0	0	0	2	4	18	14	1	0	0	0	0	39
SW	0	0	2	1	4	5	2	0	0	0	0	0	14
WSW	0	0	0	4	5	12	1	0	0	0	0	0	22
W	0	0	0	1	6	9	1	0	0	0	0	0	17
WNW	0	0	0	1	5	7	2	0	0	0	0	0	15
NW	0	0	0	2	4	4	2	0	0	0	0	0	12
NNW	0	0	0	3	6	8	10	0	0	0	0	0	27
TOTAL	0	2	4	36	71	186	232	13	0	0	0	0	544

NUMBER OF CALMS: 1
NUMBER OF INVALID HOURS: 18
NUMBER OF VALID HOURS: 545
TOTAL HOURS FOR THE PERIOD: 563

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 4/ 1/07 0:00 TO 6/30/07 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	1	3	8	0	0	0	0	0	14
NNE	0	0	0	0	1	7	9	0	0	0	0	0	17
NE	0	0	2	3	1	2	10	2	0	0	0	0	20
ENE	0	0	2	1	4	14	6	3	0	0	0	0	30
E	0	0	1	2	5	22	6	0	0	0	0	0	36
ESE	0	0	1	3	6	16	39	0	0	0	0	0	65
SE	0	1	1	0	2	18	15	0	0	0	0	0	37
SSE	0	0	0	1	2	5	7	0	0	0	0	0	15
S	0	0	0	1	2	6	6	1	0	0	0	0	16
SSW	0	0	1	5	2	5	1	0	0	0	0	0	14
SW	0	0	0	1	4	4	0	0	0	0	0	0	9
WSW	0	0	0	1	2	6	0	0	0	0	0	0	9
W	0	0	1	0	5	6	0	0	0	0	0	0	12
WNW	0	0	1	3	0	8	2	0	0	0	0	0	14
NW	0	0	2	2	0	10	4	0	0	0	0	0	18
NNW	0	1	0	1	0	1	1	0	0	0	0	0	4
TOTAL	0	2	12	26	37	133	114	6	0	0	0	0	330

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 330
TOTAL HOURS FOR THE PERIOD: 330

STABILITY CLASS G

FROM 4/ 1/07 0:00 TO 6/30/07 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	1	5	12	0	0	0	0	0	21
NNE	0	0	1	5	2	8	15	0	0	0	0	0	31
NE	0	0	0	4	1	10	18	0	0	0	0	0	33
ENE	0	0	1	1	4	7	9	0	0	0	0	0	22
E	0	0	0	4	2	11	5	0	0	0	0	0	22
ESE	0	0	1	3	4	10	20	0	0	0	0	0	38
SE	0	0	1	1	1	6	8	0	0	0	0	0	17
SSE	0	0	0	0	3	6	2	0	0	0	0	0	11
S	0	0	1	3	5	7	1	1	0	0	0	0	18
SSW	0	0	0	0	5	4	2	0	0	0	0	0	11
SW	0	0	0	5	2	6	1	0	0	0	0	0	14
WSW	0	0	0	1	2	9	0	0	0	0	0	0	12
W	0	0	0	1	3	10	0	0	0	0	0	0	14
WNW	0	0	0	4	2	10	1	0	0	0	0	0	17
NW	0	0	2	2	2	7	2	0	0	0	0	0	15
NNW	0	1	0	0	1	5	14	0	0	0	0	0	21
TOTAL	0	1	8	36	40	121	110	1	0	0	0	0	317

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 317
TOTAL HOURS FOR THE PERIOD: 317

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 7/ 1/07 0:00 TO 9/30/07 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	1	4	11	14	33	29	0	0	0	0	0	92
NNE	0	0	3	7	13	34	53	0	0	0	0	0	110
NE	0	1	3	13	20	53	73	1	0	0	0	0	164
ENE	0	0	2	17	29	75	36	2	0	0	0	0	161
E	0	3	3	12	24	49	25	0	0	0	0	0	116
ESE	0	0	0	17	17	82	162	14	0	0	0	0	292
SE	0	0	1	7	19	63	65	3	0	0	0	0	158
SSE	0	0	3	6	15	74	24	5	1	0	0	0	128
S	0	1	0	20	21	45	36	3	0	0	0	0	126
SSW	0	1	2	4	23	43	29	0	0	0	0	0	102
SW	1	1	1	12	21	39	14	0	0	0	0	0	89
WSW	0	0	2	12	24	61	20	0	0	0	0	0	119
W	0	0	3	7	31	90	25	0	0	0	0	0	156
WNW	0	1	3	12	15	36	18	0	0	0	0	0	85
NW	0	0	2	11	15	25	7	0	0	0	0	0	60
NNW	0	0	2	12	14	29	28	0	0	0	0	0	85
TOTAL	1	9	34	180	315	831	644	28	1	0	0	0	2043

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 165
NUMBER OF VALID HOURS: 2043
TOTAL HOURS FOR THE PERIOD: 2208

STABILITY CLASS A

FROM 7/ 1/07 0:00 TO 9/30/07 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	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	1	0	0	0	0	1
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	1	0	0	0	0	1

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

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 7/ 1/07 0:00 TO 9/30/07 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	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0

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

STABILITY CLASS C

FROM 7/ 1/07 0:00 TO 9/30/07 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	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	1	0	0	0	0	0	1
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	1	0	0	0	0	0	0	1
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	1	0	0	0	0	0	2

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

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 7/ 1/07 0:00 TO 9/30/07 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	0	1	1	0	0	0	0	0	0	3
NNE	0	0	0	3	0	2	2	0	0	0	0	0	7
NE	0	0	0	2	3	6	16	0	0	0	0	0	27
ENE	0	0	0	2	7	21	9	0	0	0	0	0	39
E	0	0	1	0	5	6	9	0	0	0	0	0	21
ESE	0	0	0	3	0	11	27	7	0	0	0	0	48
SE	0	0	0	0	2	10	9	1	0	0	0	0	22
SSE	0	0	0	0	1	8	7	2	0	0	0	0	18
S	0	0	0	2	1	1	4	0	0	0	0	0	8
SSW	0	0	1	0	0	1	8	0	0	0	0	0	10
SW	0	0	0	0	0	1	5	0	0	0	0	0	6
WSW	0	0	0	0	1	5	2	0	0	0	0	0	8
W	0	0	0	0	2	7	3	0	0	0	0	0	12
WNW	0	0	0	1	1	8	6	0	0	0	0	0	16
NW	0	0	1	3	3	4	1	0	0	0	0	0	12
NNW	0	0	0	1	1	1	1	0	0	0	0	0	4
TOTAL	0	0	4	17	28	93	109	10	0	0	0	0	261

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 261
TOTAL HOURS FOR THE PERIOD: 261

STABILITY CLASS E

FROM 7/ 1/07 0:00 TO 9/30/07 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	1	1	5	6	10	12	0	0	0	0	0	35
NNE	0	0	2	1	4	16	25	0	0	0	0	0	48
NE	0	0	0	3	9	31	30	1	0	0	0	0	74
ENE	0	0	2	7	10	43	22	1	0	0	0	0	85
E	0	0	0	2	6	27	14	0	0	0	0	0	49
ESE	0	0	0	4	12	44	91	7	0	0	0	0	158
SE	0	0	0	2	9	27	39	2	0	0	0	0	79
SSE	0	0	1	2	8	28	8	3	1	0	0	0	51
S	0	0	0	5	11	16	14	2	0	0	0	0	48
SSW	0	0	0	2	9	15	8	0	0	0	0	0	34
SW	1	0	0	2	7	10	3	0	0	0	0	0	23
WSW	0	0	1	2	8	25	13	0	0	0	0	0	49
W	0	0	1	3	4	49	20	0	0	0	0	0	77
WNW	0	0	2	2	3	6	10	0	0	0	0	0	23
NW	0	0	0	6	2	11	4	0	0	0	0	0	23
NNW	0	0	0	2	4	11	20	0	0	0	0	0	37
TOTAL	1	1	10	50	112	369	333	16	1	0	0	0	893

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 893
TOTAL HOURS FOR THE PERIOD: 893

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 7/ 1/07 0:00 TO 9/30/07 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	3	2	18	6	0	0	0	0	0	30
NNE	0	0	0	2	7	12	14	0	0	0	0	0	35
NE	0	1	3	6	6	14	13	0	0	0	0	0	43
ENE	0	0	0	7	10	10	5	0	0	0	0	0	32
E	0	1	1	8	12	14	2	0	0	0	0	0	38
ESE	0	0	0	9	4	20	38	0	0	0	0	0	71
SE	0	0	1	4	6	18	17	0	0	0	0	0	46
SSE	0	0	2	4	3	25	9	0	0	0	0	0	43
S	0	0	0	10	6	20	15	1	0	0	0	0	52
SSW	0	1	0	1	8	16	11	0	0	0	0	0	37
SW	0	1	0	6	11	18	6	0	0	0	0	0	42
WSW	0	0	1	6	5	21	5	0	0	0	0	0	38
W	0	0	0	2	20	31	1	0	0	0	0	0	54
WNW	0	1	1	4	2	18	1	0	0	0	0	0	27
NW	0	0	0	1	7	7	2	0	0	0	0	0	17
NNW	0	0	1	5	5	4	3	0	0	0	0	0	18
TOTAL	0	5	11	78	114	266	148	1	0	0	0	0	623

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 623
TOTAL HOURS FOR THE PERIOD: 623

STABILITY CLASS G

FROM 7/ 1/07 0:00 TO 9/30/07 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	3	5	4	11	0	0	0	0	0	24
NNE	0	0	1	1	2	4	12	0	0	0	0	0	20
NE	0	0	0	2	2	2	13	0	0	0	0	0	19
ENE	0	0	0	1	2	1	0	0	0	0	0	0	4
E	0	2	1	2	1	1	0	0	0	0	0	0	7
ESE	0	0	0	1	1	7	6	0	0	0	0	0	15
SE	0	0	0	1	2	8	0	0	0	0	0	0	11
SSE	0	0	0	0	3	13	0	0	0	0	0	0	16
S	0	1	0	3	3	8	3	0	0	0	0	0	18
SSW	0	0	1	1	6	11	2	0	0	0	0	0	21
SW	0	0	1	4	3	10	0	0	0	0	0	0	18
WSW	0	0	0	4	10	10	0	0	0	0	0	0	24
W	0	0	2	2	5	3	1	0	0	0	0	0	13
WNW	0	0	0	5	9	4	1	0	0	0	0	0	19
NW	0	0	1	1	3	3	0	0	0	0	0	0	8
NNW	0	0	1	4	4	13	4	0	0	0	0	0	26
TOTAL	0	3	9	35	61	102	53	0	0	0	0	0	263

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 263
TOTAL HOURS FOR THE PERIOD: 263

RIVER BEND STATION
JOINT FREQUENCY TABLE
ALL STABILITY CLASSES

FROM 10/ 1/07 0:00 TO 12/31/07 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	1	6	8	10	22	59	118	24	0	0	0	0	248
NNE	0	0	1	4	8	68	128	6	0	0	0	0	215
NE	0	0	0	4	13	52	131	10	0	0	0	0	210
ENE	1	0	0	3	9	45	75	13	0	0	0	0	146
E	0	0	1	4	13	43	43	14	3	0	0	0	121
ESE	0	0	0	2	9	50	234	35	3	0	0	0	333
SE	0	0	1	2	9	41	150	14	0	0	0	0	217
SSE	0	0	0	4	9	26	71	8	1	0	0	0	119
S	0	0	0	3	5	48	45	0	0	0	0	0	101
SSW	0	0	0	2	11	35	25	5	0	0	0	0	78
SW	0	0	0	3	7	15	18	3	0	0	0	0	46
WSW	0	0	1	5	6	20	9	1	0	0	0	0	42
W	0	2	0	2	6	25	18	2	0	0	0	0	55
WNW	0	0	1	2	4	8	33	20	2	0	0	0	70
NW	0	1	0	0	7	12	35	16	5	0	0	0	76
NNW	0	0	0	0	3	24	51	9	0	0	0	0	87
TOTAL	2	9	13	50	141	571	1184	180	14	0	0	0	2164

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 44
NUMBER OF VALID HOURS: 2164
TOTAL HOURS FOR THE PERIOD: 2208

STABILITY CLASS A

FROM 10/ 1/07 0:00 TO 12/31/07 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	0	2	1	0	0	0	0	4
NNE	0	0	0	1	0	0	10	2	0	0	0	0	13
NE	0	0	0	0	0	4	11	3	0	0	0	0	18
ENE	0	0	0	0	0	2	10	1	0	0	0	0	13
E	0	0	0	0	0	5	5	2	0	0	0	0	12
ESE	0	0	0	0	0	6	19	1	0	0	0	0	26
SE	0	0	0	0	0	1	16	1	0	0	0	0	18
SSE	0	0	0	0	0	0	2	0	0	0	0	0	2
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	1	0	0	0	0	0	1
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	1	0	0	0	0	0	1
NW	0	0	0	0	0	0	1	0	0	0	0	0	1
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	1	1	18	78	11	0	0	0	0	109

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 1
NUMBER OF VALID HOURS: 109
TOTAL HOURS FOR THE PERIOD: 110

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS B

FROM 10/ 1/07 0:00 TO 12/31/07 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	19	7	0	0	0	0	27
NNE	0	0	0	0	0	2	4	0	0	0	0	0	6
NE	0	0	0	0	1	8	7	0	0	0	0	0	16
ENE	0	0	0	0	0	2	3	0	0	0	0	0	5
E	0	0	0	0	1	4	3	0	0	0	0	0	8
ESE	0	0	0	0	1	5	12	1	2	0	0	0	21
SE	0	0	0	0	0	5	10	0	0	0	0	0	15
SSE	0	0	0	0	0	0	10	1	0	0	0	0	11
S	0	0	0	0	0	3	7	0	0	0	0	0	10
SSW	0	0	0	0	0	0	2	0	0	0	0	0	2
SW	0	0	0	0	0	0	0	1	0	0	0	0	1
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	2	0	0	0	0	0	2
NW	0	0	0	0	0	0	2	0	0	0	0	0	2
NNW	0	0	0	0	0	0	3	0	0	0	0	0	3
TOTAL	0	0	0	0	3	30	84	10	2	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/ 1/07 0:00 TO 12/31/07 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	4	3	0	0	0	0	8
NNE	0	0	0	0	0	4	4	1	0	0	0	0	9
NE	0	0	0	0	0	4	3	1	0	0	0	0	8
ENE	0	0	0	0	0	2	4	0	0	0	0	0	6
E	0	0	0	0	1	2	0	0	0	0	0	0	3
ESE	0	0	0	0	0	1	4	0	0	0	0	0	5
SE	0	0	0	0	0	0	1	2	0	0	0	0	3
SSE	0	0	0	0	0	1	0	0	0	0	0	0	1
S	0	0	0	0	0	1	5	0	0	0	0	0	6
SSW	0	0	0	0	0	2	2	2	0	0	0	0	6
SW	0	0	0	0	0	1	2	1	0	0	0	0	4
WSW	0	0	0	0	0	2	2	0	0	0	0	0	4
W	0	0	0	0	0	2	0	0	0	0	0	0	2
WNW	0	0	0	1	0	0	0	0	0	0	0	0	1
NW	0	0	0	0	0	1	2	2	0	0	0	0	5
NNW	0	0	0	0	0	1	2	1	0	0	0	0	4
TOTAL	0	0	0	1	1	25	35	13	0	0	0	0	75

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 75
TOTAL HOURS FOR THE PERIOD: 75

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS D

FROM 10/ 1/07 0:00 TO 12/31/07 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	7	18	25	10	0	0	0	0	62
NNE	0	0	0	0	5	18	14	2	0	0	0	0	39
NE	0	0	0	2	6	12	24	0	0	0	0	0	44
ENE	0	0	0	1	4	3	16	5	0	0	0	0	29
E	0	0	0	1	3	5	5	2	0	0	0	0	16
ESE	0	0	0	1	4	8	40	8	0	0	0	0	61
SE	0	0	1	0	1	8	29	8	0	0	0	0	47
SSE	0	0	0	3	2	5	24	5	1	0	0	0	40
S	0	0	0	0	0	11	17	0	0	0	0	0	28
SSW	0	0	0	1	3	6	5	3	0	0	0	0	18
SW	0	0	0	0	4	4	6	1	0	0	0	0	15
WSW	0	0	1	0	4	12	5	1	0	0	0	0	23
W	0	0	0	1	4	13	14	1	0	0	0	0	33
WNW	0	0	0	1	0	1	22	17	1	0	0	0	42
NW	0	0	0	0	3	4	19	12	5	0	0	0	43
NNW	0	0	0	0	1	15	27	6	0	0	0	0	49
TOTAL	0	0	2	13	51	143	292	81	7	0	0	0	589

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 589
TOTAL HOURS FOR THE PERIOD: 589

STABILITY CLASS E

FROM 10/ 1/07 0:00 TO 12/31/07 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	1	6	7	5	7	17	45	3	0	0	0	0	91
NNE	0	0	0	1	2	22	53	1	0	0	0	0	79
NE	0	0	0	2	5	12	39	6	0	0	0	0	64
ENE	0	0	0	0	1	13	14	7	0	0	0	0	35
E	0	0	0	2	3	9	17	8	3	0	0	0	42
ESE	0	0	0	0	1	11	118	24	1	0	0	0	155
SE	0	0	0	0	4	13	69	3	0	0	0	0	89
SSE	0	0	0	0	4	12	31	2	0	0	0	0	49
S	0	0	0	1	1	19	14	0	0	0	0	0	35
SSW	0	0	0	0	3	14	13	0	0	0	0	0	30
SW	0	0	0	3	0	2	8	0	0	0	0	0	13
WSW	0	0	0	2	1	2	2	0	0	0	0	0	7
W	0	0	0	0	0	6	4	1	0	0	0	0	11
WNW	0	0	0	0	0	4	7	3	1	0	0	0	15
NW	0	1	0	0	2	3	7	2	0	0	0	0	15
NNW	0	0	0	0	1	4	8	2	0	0	0	0	15
TOTAL	1	7	7	16	35	163	449	62	5	0	0	0	745

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 745
TOTAL HOURS FOR THE PERIOD: 745

RIVER BEND STATION
JOINT FREQUENCY TABLE
STABILITY CLASS F

FROM 10/ 1/07 0:00 TO 12/31/07 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	4	8	0	0	0	0	0	13
NNE	0	0	0	0	0	10	28	0	0	0	0	0	38
NE	0	0	0	0	0	5	28	0	0	0	0	0	33
ENE	1	0	0	1	1	9	20	0	0	0	0	0	32
E	0	0	0	1	1	7	6	1	0	0	0	0	16
ESE	0	0	0	1	1	11	27	1	0	0	0	0	41
SE	0	0	0	2	3	5	14	0	0	0	0	0	24
SSE	0	0	0	1	1	1	2	0	0	0	0	0	5
S	0	0	0	2	1	4	2	0	0	0	0	0	9
SSW	0	0	0	0	0	3	1	0	0	0	0	0	4
SW	0	0	0	0	0	1	1	0	0	0	0	0	2
WSW	0	0	0	1	0	1	0	0	0	0	0	0	2
W	0	0	0	0	1	1	0	0	0	0	0	0	2
WNW	0	0	0	0	1	1	0	0	0	0	0	0	2
NW	0	0	0	0	1	0	0	0	0	0	0	0	1
NNW	0	0	0	0	0	2	5	0	0	0	0	0	7
TOTAL	1	0	0	10	11	65	142	2	0	0	0	0	231

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 231
TOTAL HOURS FOR THE PERIOD: 231

STABILITY CLASS G

FROM 10/ 1/07 0:00 TO 12/31/07 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	7	18	15	0	0	0	0	0	43
NNE	0	0	1	2	1	12	15	0	0	0	0	0	31
NE	0	0	0	0	1	7	19	0	0	0	0	0	27
ENE	0	0	0	1	3	14	8	0	0	0	0	0	26
E	0	0	1	0	4	11	7	1	0	0	0	0	24
ESE	0	0	0	0	2	8	14	0	0	0	0	0	24
SE	0	0	0	0	1	9	11	0	0	0	0	0	21
SSE	0	0	0	0	2	7	2	0	0	0	0	0	11
S	0	0	0	0	3	10	0	0	0	0	0	0	13
SSW	0	0	0	1	5	10	1	0	0	0	0	0	17
SW	0	0	0	0	3	7	1	0	0	0	0	0	11
WSW	0	0	0	2	1	3	0	0	0	0	0	0	6
W	0	2	0	1	1	3	0	0	0	0	0	0	7
WNW	0	0	1	0	3	2	1	0	0	0	0	0	7
NW	0	0	0	0	1	4	4	0	0	0	0	0	9
NNW	0	0	0	0	1	2	6	0	0	0	0	0	9
TOTAL	0	2	4	9	39	127	104	1	0	0	0	0	286

NUMBER OF CALMS: 0
NUMBER OF INVALID HOURS: 0
NUMBER OF VALID HOURS: 286
TOTAL HOURS FOR THE PERIOD: 286

Table 7

Effluent and Waste Disposal Annual Report 2007 Year
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 (4)	994 m WNW	CHI/Q - 421.0	CHI/Q - 33.1
Resident		D/Q - 50.3	D/Q - 18.0
Garden			
Meat animal			
Immersion			
Milk animal (5)	7,000 m WNW	CHI/Q - 3.58 D/Q - 0.38	CHI/Q - .870 D/Q - .223
Other on-site Receptors	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
	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.

Table 8

GROUND MONITORING WELL SAMPLES (H-3) - RBS

LLD (pCi/l) 3000

LAB ID	LOCATION	DATE	TRITIUM
20070960	MW-05	9/19/2007	< 529
20070962	MW-08	9/19/2007	< 531
20070963	EB Blank 1	9/20/2007	< 529
20070964	EB Blank 2	9/20/2007	< 532
20070967	MW-10	9/20/2007	< 527
20070968	MW-10 DUP	9/20/2007	< 528
20070976	MW-04	9/20/2007	< 524
20070978	MW-02	9/20/2007	< 524
20071294	MW-08	12/5/2007	< 570
20071295	MW-05	12/5/2007	< 566
20071296	MW-05D	12/5/2007	< 574
20071297	MW-02	12/5/2007	< 587
20071298	MW-04	12/5/2007	< 586
20071299	MW-10	12/5/2007	< 590

Table 8 (Continued)

GROUND MONITORING WELL SAMPLES (H-3) – RBS (Continued)

LLD (pCi/l) 3000

LAB ID	LOCATION	DATE	TRITIUM
20071300	EB-1	12/5/2007	< 588

MW – Monitoring Well

EB – Equipment Blank

D – Duplicate

DUP - Duplicate

Table 8 (Continued)

GROUND MONITORING WELL SAMPLES (GAMMA) - RBS

LLD (pCi/l)			15	15	30	15	30	15	30	15	15	18	60	15
LAB ID	LOCATION	DATE	MN-54	C0-58	FE-59	CO-60	ZN-65	NB-95	ZR-95	I-131	CS-134	CS-137	BA-140	LA-140
20070959	MW-05	9/19/2007	< 9.24	< 9.36	< 20.83	< 9.44	< 23.58	< 12.72	< 15.66	< 10.83	< 8.81	< 9.78	< 38.05	< 12.97
20070961	MW-08	9/19/2007	< 9.63	< 10.09	< 21.61	< 7.52	< 14.89	< 10.17	< 13.86	< 8.04	< 10.93	< 8.83	< 26.51	< 7.23
20070963	EB Blank 1	9/20/2007	< 7.13	< 5.21	< 15.84	< 4.91	< 20.47	< 7.38	< 11.83	< 9.89	< 8.12	< 8.45	< 29.33	< 7.06
20070964	EB Blank 2	9/20/2007	< 8.40	< 8.02	< 16.44	< 9.72	< 18.89	< 7.23	< 12.60	< 10.01	< 7.62	< 6.13	< 35.26	< 6.13
20070965	MW-10	9/20/2007	< 12.97	< 11.56	< 19.95	< 12.54	< 21.77	< 13.17	< 14.09	< 10.49	< 14.07	< 12.75	< 38.41	< 14.43
20070966	MW-10 DUP	9/20/2007	< 8.70	< 9.37	< 17.94	< 10.15	< 26.44	< 12.41	< 18.13	< 10.38	< 10.54	< 10.17	< 36.63	< 14.02
20070975	MW-04	9/20/2007	< 12.09	< 9.81	< 14.22	< 10.30	< 25.58	< 8.25	< 13.95	< 11.29	< 10.60	< 10.33	< 28.15	< 13.57
20070977	MW-02	9/20/2007	< 11.81	< 9.92	< 25.59	< 10.34	< 26.25	< 12.55	< 20.14	< 11.30	< 14.94	< 12.86	< 43.23	< 14.28
20071294	MW-08	12/5/2007	< 10.13	< 8.60	< 18.88	< 9.20	< 18.08	< 9.80	< 12.99	< 9.08	< 10.77	< 11.12	< 37.91	< 14.66
20071295	MW-05	12/5/2007	< 14.76	< 5.97	< 19.82	< 13.82	< 19.76	< 12.18	< 19.37	< 11.45	< 11.41	< 11.95	< 39.78	< 14.95
20071296	MW-05D	12/5/2007	< 9.86	< 6.74	< 15.09	< 8.41	< 19.64	< 11.26	< 16.14	< 9.67	< 9.65	< 8.06	< 28.35	< 12.65
20071297	MW-02	12/5/2007	< 11.78	< 11.74	< 20.27	< 12.84	< 23.33	< 13.30	< 17.28	< 11.56	< 10.58	< 8.93	< 36.86	< 12.55

Table 8 (Continued)

GROUND MONITORING WELL SAMPLES (GAMMA) – RBS (Continued)

20071298	MW-04	12/5/2007	< 9.08	< 9.09	< 18.89	< 11.80	< 19.67	< 12.54	< 19.97	< 13.30	< 13.02	< 8.31	< 30.42	< 12.79
20071299	MW-10	12/5/2007	< 8.29	< 8.23	< 16.05	< 6.69	< 16.36	< 12.42	< 17.91	< 6.85	< 10.76	< 9.87	< 31.06	< 9.21
20071300	EB-1	12/5/2007	< 8.49	< 11.75	< 24.20	< 9.86	< 21.42	< 12.75	< 9.09	< 12.82	< 11.83	< 13.17	< 37.42	< 7.08

MW – Monitoring Well

EB – Equipment Blank

D – Duplicate

DUP - Duplicate