Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

April 29, 2008

10 CFR 50.36a(a)(2)
10 CFR 50, Appendix I,
Section IV.B.1

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop: OWFN, P1-35
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of	)	Docket Nos. 50-259
Tennessee Valley Authority	)	50-260
	)	50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - UNITS 1, 2, AND 3 - ANNUAL RADIOACTIVE EFFLUENT RELEASE (ARER) REPORT - JANUARY THROUGH DECEMBER 2007

In accordance with 10 CFR 50.36a(a)(2); 10 CFR 50, Appendix I, Section IV.B; and BFN Technical Specification (TS) 5.6.3, TVA is submitting the BFN ARER report for January through December 2007. Also, in accordance with the BFN Offsite Dose Calculation Manual (ODCM) Section 1.1.1, Action (b), and Section 1.1.2, Action (c), TVA is providing the BFN Inoperable Radioactive Effluent Instrumentation Report.

Enclosure 1 provides the Radiological Impact Assessment Report. The Meteorological Data Tables are provided by Enclosure 2. Enclosure 3 is the Effluent and Waste Disposal Annual Report and Enclosure 4 is the Inoperable Radiological Effluent Instrumentation Report. There were no changes made to the Offsite Dose Calculation Manual (ODCM) in the previous period, therefore: changes to the ODCM are not included in this letter.

IE48

NRR

There are no commitments contained within this letter. If you have any questions concerning this submittal, please contact me at (256) 729-2636.

Sincerely,

D. T. Langley
Manager of Site Licensing
and Industry Affairs

Enclosures

1. Radiological Impact Assessment Report
2. Meteorological Data Tables
3. Effluent and Waste Disposal Annual report
4. Inoperable radiological Effluent Instrumentation Report

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ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 1, 2, AND 3

RADIOLOGICAL IMPACT ASSESSMENT REPORT 2007

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2007

I. INTRODUCTION

Potential doses to the "maximum exposed individual" and the population around Browns Ferry are calculated for each quarter as required in Section 5.2 of the Offsite Dose Calculation Manual (ODCM). The methodology for determining plant releases for the reporting period used to estimate dose is specified in Sections 6 and 7 of the ODCM. Dispersion of radioactive effluents in the environment is estimated using meteorological data and river flow measured during the period. In this report, the doses resulting from releases are described and compared to limits established for Browns Ferry.

II. DOSE LIMITS

The ODCM specifies limits for the release of radioactive effluents, as well as limits for doses to the general public from the release of radioactive effluents. These limits are set well below the Technical Specification limits which govern the concentrations of radioactivity and doses permissible in unrestricted areas. This ensures that radioactive effluent releases are As Low As Reasonably Achievable.

The air dose limits in areas at and beyond the Site Boundary due to noble gases released in gaseous effluents per unit are:

$\leq$ 5 mrad per quarter and
$\leq$ 10 mrad per year for gamma radiation.
- and -
$\leq$ 10 mrad per quarter and
$\leq$ 20 mrad per year for beta radiation.

The dose limits to a Member of the Public in an unrestricted area from radioiodines, radioactive materials in particulate form, and radionuclides other than noble gases with half-lives > 8 days released in gaseous effluents for each unit are:

$\leq$ 7.5 mrem per quarter and
$\leq$ 15 mrem per year to any organ.

The dose or dose commitment to a Member of the Public from radioactive material in liquid effluents released to unrestricted areas are:

$\leq$ 1.5 mrem per quarter and
$\leq$ 3 mrem per year to the total body,
- and -
$\leq$ 5 mrem per quarter and
$\leq$ 10 mrem per year to any organ.

The limit for the total effective dose equivalent to an individual Member of the Public inside the site boundary is:

100 mrem per year.

The EPA limits for total dose to any Member of the Public in the vicinity of a nuclear power plant, established in the Environmental Dose Standard of 40 CFR 190, are:

$\leq$ 25 mrem per year to the whole body,
$\leq$ 75 mrem per year to the thyroid,
- and -
$\leq$ 25 mrem per year to any other organ.

III. DOSE CALCULATIONS

Estimated doses to Members of the Public are determined using computer models (the Gaseous Effluent Licensing Code, GELC, and the Quarterly Water Dose Assessment Code, QWATA). These models are based on guidance provided by the NRC (in Regulatory Guides 1.109, 1.111 and 1.113) for determining the potential dose to individuals and populations living in the vicinity of the plant. The area around the plant is analyzed to determine the pathways through which the public may receive a dose. The doses calculated are a representation of the dose to a "maximum exposed individual." Some of the factors used in these calculations (such as ingestion rates) are maximum values to ensure conservative reporting data. Many of these factors are obtained from NUREG/CR-1004. The values chosen will tend to overestimate the dose. The expected dose to actual individuals is lower. The calculated doses are presented in Tables 1, 2, 3, 4, 5, 6, 7, 8, and 9.

IV. DOSES FROM AIRBORNE EFFLUENTS

For airborne effluents, Members of the Public can be exposed to radiation from several sources: direct radiation from the radioactivity in the air, direct radiation from radioactivity deposited on the ground, inhalation of airborne radioactivity, ingestion of vegetation which contains radioactivity deposited from the atmosphere, and ingestion of milk and beef which contains radioactivity deposited from the atmosphere onto vegetation and subsequently consumed by milk and beef animals.

Airborne Release Points

There are four monitored release points from Browns Ferry Nuclear Plant: the turbine building, the radwaste building, the reactor building, and the stack.

Releases from the turbine building are considered ground-level releases. The ground-level Joint Frequency Distribution (JFD) is derived from windspeeds and directions measured 10 meters above ground and from the vertical temperature difference between 10 and 45 meters, and are presented for each quarter in Tables 10, 11, 12, and 13.

Releases from the radwaste and reactor buildings are considered split-level releases. Portions of the release are treated as ground-level while other portions are considered elevated depending on the ratio of the vertical exit velocity to the horizontal wind speed. The split-level dispersion approach is implemented using a model that requires two complete quarterly JFDs for each effluent vent, one for the ground-level releases and one for the elevated releases. The ground-level portion of the split-level JFD is based on wind speeds and directions measured 10 meters above ground-level and from the vertical temperature difference between 10 and 45 meters. The elevated portion of the split-level JFD is based on wind speeds and direction. measurements at the 45 meter level and the vertical temperature difference between 45 and 91 meters. Both of these JFDs are given for each quarter in Tables 14, 15, 16, 17, 18, 19, 20, and 21.

Releases from the stack are considered to be elevated releases. The JFDs for elevated releases are based on wind directions and wind speeds measured at 91 meters and the vertical temperature difference between 45 and 91 meters, and are given for each quarter in Tables 22, 23, 24, and 25.

Meteorological Data

Meteorological variables at BFN are measured continuously. Measurements collected include wind speed, wind direction, and temperature at heights of 10, 45, and 91 meters above the ground. Quarterly JFDs are calculated for each release point using the appropriate levels of meteorological data. A quarterly JFD gives the percentage of the time that the wind is blowing out of a particular upwind compass sector in a particular range of wind speeds for a given stability class A through G. The wind speeds are divided into nine wind speed ranges. Calms are distributed by direction in proportion to the distribution of noncalm wind directions less than 1.6 m/s (3.5 mph). Stability classes are determined from the vertical temperature difference between two measurement levels.

The generally open terrain around BFN does not cause any significant effects on the transport and dispersion of gaseous effluents from the plant. Within 30 kilometers of BFN, the terrain is mostly gently rolling hills (30-60 meters). Between 30 and 80 kilometers the hills become larger to the north and south, and mountainous to the east and northeast. The Tennessee River/Wheeler Lake may have a minor effect on transport and dispersion in the immediate vicinity of BFN during periods of winds with a southerly component, overcast skies, and relatively high wind speeds. Also, the lower layer (10-45 meters) stability class tends to be more stable. However, during this infrequent condition, dose estimates will be conservative.

External Exposure Dose

Dose calculated for maximum external air dose (gamma-air and beta-air) are made for points at and beyond the unrestricted area boundary as described in the BFN ODCM. The highest of these doses is then selected.

Submersion Dose

External doses to the skin and total body, due to submersion in a cloud of noble gases, are calculated for the nearest residence in each sector. The residence with the highest dose is then selected from all sectors.

Organ Dose

Dose to an organ due to releases of airborne effluents are estimated for the inhalation, ground contamination, and ingestion pathways. The ingestion pathway is further divided into three possible contributing pathways: ingestion of cow/goat milk, ingestion of beef, and ingestion of vegetables. Doses from applicable pathways are calculated for each receptor location identified in the most recent land use survey. To determine the maximum organ dose, the doses from the pathways are summed for each receptor. For the ingestion dose, however, only those pathways that exist for each receptor are considered in the sum, e.g., milk ingestion doses are included only for locations where milk was consumed without commercial preparation and vegetable ingestion is included only for those locations where a garden was identified. To conservatively account for beef ingestion, a beef ingestion dose equal to that for the highest unrestricted area boundary location is added to each identified receptor. For ground contamination, the dose added to the organ dose being calculated is the total body dose calculated for that location, i.e., it is assumed that the dose to an individual organ is equal to the total body dose.

The maximum organ dose, thyroid dose, and total body dose from airborne effluents are presented in Tables 1, 2, 3, and 4.

V. DOSES FROM LIQUID EFFLUENTS

For liquid effluents, the public can be exposed to radiation from three sources: the ingestion of water from the Tennessee River, the ingestion of fish caught in the Tennessee River, and direct exposure from radioactive material deposited on the river shoreline sediment (recreation).

The concentration of radionuclides in the Tennessee River are calculated by a computer model which uses measured hydraulic data downstream of BFN. Parameters used to determine the doses are based on guidance given by the NRC (in Regulatory Guides 1.109) for maximum ingestion rates, exposure times, etc. Wherever possible, parameters used in the dose calculation are site specific. The models that are used to estimate doses, as well as the parameters input to the models, are described in detail in the BFN ODCM.

Liquid Release Points and River Data

Radionuclide concentrations in the Tennessee River are calculated assuming that releases in liquid effluents are continuous. When necessary, liquid releases from BFN, located at Tennessee River Mile 294, are made through diffusers which extend into the Tennessee River. It is assumed that releases to the river through these diffusers will initially be entrained in one-fifth of the water which flows past the plant. The QWATA code makes the assumption that this mixing condition holds true until the water is completely mixed at the first downstream dam (Wheeler Dam), at Tennessee River Mile 283.0.

Doses are calculated for locations within a 50 mile radius downstream of the plant site. The maximum potential recreation dose is calculated for a location immediately downstream from the plant's release point. The maximum exposed individual dose from ingestion of fish is assumed to be that calculated for the consumption of fish caught anywhere between the plant and the first downstream dam. The maximum exposed individual dose from drinking water is assumed to be that calculated at the nearest downstream public water supply [West Morgan - East Lawrence (WMEL)]. This could be interpreted as indicating that the maximum exposed individual, as assumed for liquid releases from Browns Ferry, is an individual who obtains all of his drinking water at WMEL, consumes fish caught from the Tennessee River between BFN and Wheeler Dam, and spends 500 hours per year on the shoreline just downstream of the plant's release point. Doses calculated for the maximum exposed individual due to liquid effluents for each quarter in the period are presented in Tables 5, 6, 7, and 8, along with the average river flows past the plant site for the periods.

VI. POPULATION DOSES

Population doses due to airborne effluents are calculated for an estimated 778,266 persons living within a 50-mile radius of the plant site. Doses from external pathways and inhalation are based on the 50-mile human population distribution. Ingestion population doses are calculated assuming that each individual consumed milk, vegetables, and meat produced within the sector in which the individual resides.

Population doses due to liquid effluents are calculated for the entire downstream Tennessee River population. Water ingestion population doses are calculated using actual population figures for downstream public water supplies. Fish ingestion population doses are calculated assuming that all sport fish caught in the Tennessee River are consumed by the Tennessee River population. Recreation population doses are calculated using historical recreational data on the number of shoreline visits at downstream locations.

Population doses calculated for airborne and liquid effluents are presented in Tables 1, 2, 3, 4, 5, 6, 7, and 8.

VII. OFFSITE DIRECT RADIATION DOSE

External gamma radiation levels were measured by environmental dosimeters deployed around BFN as part of the offsite Radiological Environmental Monitoring Program (REMP). The quarterly gamma radiation levels determined from these dosimeters during this reporting period averaged approximately 14.3 mrem/quarter at onsite (at or near the site boundary) stations and approximately 12.3 mrem/quarter at offsite stations or approximately 2.0 mrem/quarter higher onsite than at offsite stations. This difference is consistent with levels measured for pre-operation and construction phases of TVA nuclear plants where the average radiation levels onsite were generally 2-6 mrem/quarter higher than the levels offsite. This may be attributable to natural variations in environmental radiation levels, earth moving activities onsite, the mass of concrete employed in the construction of the plants, or other undetermined influences. Fluctuations in natural background dose rates and in dosimeter readings tend to mask any small increments which may be due to plant operations. Thus, there was no identifiable increase in dose rate levels attributable to direct radiation from plant equipment and/or gaseous effluents.

VIII. DOSE TO A MEMBER OF THE PUBLIC INSIDE THE SITE BOUNDARY

Pursuant to ODCM section 7.7.5, a review was performed to determine the highest dose to a member of the public in the site boundary. This review assumed that onsite TVA employees engaged in work activities not associated with nuclear power electric generation were considered as members of the public. The dose to a member of the public consists of the sum of dose commitments from effluent releases as well as any direct radiation dose. The gaseous effluent dose commitment is negligible compared to the direct radiation dose.

The direct radiation dose was determined from area environmental dosimeters located onsite. It consisted of gamma dose from the plume, ground contamination and from equipment sources (i.e., tanks, turbine shine, radioactive material storage areas, etc.). The highest direct radiation dose accounting for background and occupancy was 1.75 mrem during 2007.

The total annual dose commitment to the member of the public for 2007 is 1.75 mrem; the direct radiation dose while in the site boundary. It can be concluded that the dose limit for a member of the public inside the site boundary as specified in 10 CFR 20.1301 was not exceeded.

IX. TOTAL DOSE

To determine compliance with 40 CFR 190, annual total dose contributions to the maximum exposed individual from BFN radioactive effluents and all other nearby uranium fuel cycle sources are considered.

The annual dose to any organ other than thyroid for the maximum exposed individual is conservatively calculated by summing the following doses: the total body air submersion dose for each quarter, the critical organ dose (for any organ other than the thyroid) from airborne effluents for each quarter from ground contamination, inhalation and ingestion, the total body dose from liquid effluents for each quarter, the maximum organ dose (for any organ other than the thyroid) from liquid effluents for each quarter, and any identifiable increase in direct radiation dose levels as measured by the REMP. This dose is compared to the 40 CFR 190 limit for total body or any organ dose (other than thyroid) to determine compliance.

The annual thyroid dose to the maximum exposed individual is conservatively estimated by summing the following doses: the total body air submersion dose for each quarter, the thyroid dose from airborne effluents for each quarter, the total body dose from liquid effluents for each quarter, the thyroid dose from liquid effluents for each quarter, and any identifiable increase in direct radiation dose levels as measured by the REMP. This dose is compared to the 40 CFR 190 limit for thyroid dose to determine compliance.

Total dose from the fuel cycle is presented in Table 9.

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2007

Table 1
Doses from Airborne Effluents
First Quarter

Individual Doses

Pathway	Dose	Quarterly Limit	Percent of Limit	Location
External				
Gamma Air	9.3E-12 mrad	5 mrad	< 1 %	NNW/1650 meters
Beta Air	2.9E-11 mrad	10 mrad	< 1 %	NNW/1650 meters
Submersion				
Total Body	2.1E-04 mrem	NA	NA	NNW/1639 meters
Skin	2.5E-04 mrem	NA	NA	NNW/1639 meters
Organ Doses				
Child/Bone	8.8E-04 mrem	7.5 mrem	< 1 %	NNW/1791 meters
Child/Thyroid	1.5E-03 mrem	7.5 mrem	< 1 %	NNW/1791 meters
Child/Total Body	6.6E-04 mrem	7.5 mrem	< 1 %	NNW/1791 meters

Population Doses

Total Body Dose 1.4E-03 man-rem

Maximum Organ Dose (organ) 3.6E-03 man-rem (thyroid)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 70,044 man-rem/year (based on 90 mrem/yr for natural background).

Radiological Impact Assessment
Browns Ferry Nuclear Plant
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Table 2
Doses from Airborne Effluents
Second Quarter

Individual Doses

Pathway	Dose	Quarterly Limit	Percent of Limit	Location
External				
Gamma Air	1.9E-11 mrad	5 mrad	< 1 %	S/2250 meters
Beta Air	5.9E-11 mrad	10 mrad	< 1 %	S/2250 meters
Submersion				
Total Body	2.2E-04 mrem	NA	NA	NNW/1639 meters
Skin	2.6E-04 mrem	NA	NA	NNW/1639 meters
Organ Doses				
Child/Bone	2.4E-03 mrem	7.5 mrem	< 1 %	NNW/1791 meters
Child/Thyroid	2.9E-03 mrem	7.5 mrem	< 1 %	NNW/1791 meters
Child/Total Body	2.2E-03 mrem	7.5 mrem	< 1 %	NNW/1791 meters

Population Doses

Total Body Dose 7.6E-03 man-rem

Maximum Organ Dose (organ) 1.1E-02 man-rem (thyroid)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 70,044 man-rem/year (based on 90 mrem/yr for natural background).

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2007

Table 3
Doses from Airborne Effluents
Third Quarter

Individual Doses

Pathway	Dose	Quarterly Limit	Percent of Limit	Location
External				
Gamma Air	2.0E-11 mrad	5 mrad	< 1 %	S/2250 meters
Beta Air	6.1E-11 mrad	10 mrad	< 1 %	S/2250 meters
Submersion				
Total Body	1.9E-04 mrem	NA	NA	E/1290 meters
Skin	2.2E-04 mrem	NA	NA	E/1290 meters
Organ Doses				
Child/Bone	1.9E-03 mrem	7.5 mrem	< 1 %	E/1689 meters
Child/Thyroid	2.2E-03 mrem	7.5 mrem	< 1 %	E/1689 meters
Child/Total Body	1.4E-03 mrem	7.5 mrem	< 1 %	NNW/1791 meters

Population Doses

Total Body Dose 6.3E-03 man-rem

Maximum Organ Dose (organ) 9.9E-03 man-rem (thyroid)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 70,044 man-rem/year (based on 90 mrem/yr for natural background).

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2007

Table 4
Doses from Airborne Effluents
Fourth Quarter

Individual Doses

Pathway	Dose	Quarterly Limit	Percent of Limit	Location
External				
Gamma Air	5.7E-11 mrad	5 mrad	< 1 %	NNW/1650 meters
Beta Air	1.8E-10 mrad	10 mrad	< 1 %	NNW/1650 meters
Submersion				
Total Body	6.1E-04 mrem	NA	NA	NNW/1639 meters
Skin	7.2E-04 mrem	NA	NA	NNW/1639 meters
Organ Doses				
Child/ G.I. Track	2.5E-03 mrem	7.5 mrem	< 1 %	NNW/1791 meters
Child/Thyroid	3.4E-03 mrem	7.5 mrem	< 1 %	NNW/1791 meters
Child /Total Body	2.4E-03 mrem	7.5 mrem	< 1 %	NNW/1791 meters

Population Doses

Total Body Dose 5.2E-03 man-rem

Maximum Organ Dose (organ) 8.8E-03 man-rem (thyriod)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 70,044 man-rem/year (based on 90 mrem/yr for natural background).

Radiological Impact Assessment
Browns Ferry Nuclear Plant
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Table 5
Doses from Liquid Effluents
First Quarter*

Individual Doses (mrem)

Age Group	Organ	Dose Pathway	Dose	Quarterly Limit	Percent of Limit
Adult	**Total Body**	Fish Ingestion	3.6e-03		
		Recreation	4.5E-04		
		Water Ingestion	1.7E-04		
		Total	**4.2-E-03**	1.5 mrem	< 1 %
Teen	**Liver**	Fish Ingestion	5.3E-03		
		Recreation	4.5E-04		
		Water Ingestion	2.0E-04		
		Total	**6.0E-03**	5 mrem	< 1 %
Infant	**Thyroid**	Fish Ingestion	**		
		Recreation	4.5E-04		
		Water Ingestion	3.1E-04		
		Total	**7.6E-04**	5 mrem	< 1 %

Average Riverflow past BFN (cubic feet per second): 33224

Population Doses

Total Body Dose 2.9E-02 man-rem

Maximum Organ Dose (organ) 4.6E-02 man-rem (liver)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 70,044 man-rem/year (based on 90 mrem/yr for natural background).

* Includes dose from abnormal release
** No Pathway

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2007

Table 6
Doses from Liquid Effluents
Second Quarter*

Individual Doses (mrem)

Age Group	Organ	Dose Pathway	Dose	Quarterly Limit	Percent of Limit
Adult	**Total Body**	Fish Ingestion	1.8E-02		
		Recreation	1.4E-03		
		Water Ingestion	5.7E-04		
		Total	**2.0E-02**	1.5 mrem	1 %
Adult	**Liver**	Fish Ingestion	2.6E-02		
		Recreation	1.4E-03		
		Water Ingestion	7.1E-04		
		Total	**2.8E-02**	5 mrem	< 1 %
Child	**Thyroid**	Fish Ingestion	1.9E-05		
		Recreation	1.4E-03		
		Water Ingestion	3.7E-04		
		Total	**1.8E-03**	5 mrem	< 1 %

Average Riverflow past BFN (cubic feet per second): 13349

Population Doses

Total Body Dose 1.7E-01 man-rem

Maximum Organ Dose (organ) 2.6E-01 man-rem (liver)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 70,044 man-rem/year (based on 90 mrem/yr for natural background).

* Includes dose from abnormal release

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2007

Table 7
Doses from Liquid Effluents
Third Quarter

Individual Doses (mrem)

Age Group	Organ	Dose Pathway	Dose	Quarterly Limit	Percent of Limit
Adult	**Total Body**	Fish Ingestion	8.7E-03		
		Recreation	6.6E-04		
		Water Ingestion	2.5E-04		
		Total	**9.6E-03**	1.5 mrem	1 %
Adult	**Liver**	Fish Ingestion	1.3E-02		
		Recreation	6.6E-04		
		Water Ingestion	3.2E-04		
		Total	**1.4E-02**	5 mrem	< 1 %
Child	**Thyroid**	Fish Ingestion	1.5E-06		
		Recreation	6.6E-04		
		Water Ingestion	1.2E-04		
		Total	**7.8E-04**	5 mrem	< 1 %

Average Riverflow past BFN (cubic feet per second): 17632

Population Doses

Total Body Dose 8.8E-02 man-rem

Maximum Organ Dose (organ) 1.3E-01 man-rem (liver)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 70,044 man-rem/year (based on 90 mrem/yr for natural background).

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2007

Table 8
Doses from Liquid Effluents
Fourth Quarter

Individual Doses (mrem)

Age Group	Organ	Dose Pathway	Dose	Quarterly Limit	Percent of Limit
Adult	**Total Body**	Fish Ingestion	3.5E-03		
		Recreation	3.8E-04		
		Water Ingestion	1.3E-04		
		Total	**4.0E-03**	1.5 mrem	< 1 %
Teen	**Liver**	Fish Ingestion	5.2E-03		
		Recreation	3.8E-04		
		Water Ingestion	1.3E-04		
		Total	**5.7E-03**	5 mrem	< 1 %
Child	**Thyroid**	Fish Ingestion	1.1E-06		
		Recreation	3.8E-04		
		Water Ingestion	8.6E-05		
		Total	**4.7E-04**	5 mrem	< 1 %

Average Riverflow past BFN (cubic feet per second): 12086

Population Doses

Total Body Dose 3.2E-02 man-rem

Maximum Organ Dose (organ) 5.0E-02 man-rem (liver)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 70,044 man-rem/year (based on 90 mrem/yr for natural background).

Table 9
Total Dose from Fuel Cycle

Dose	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
Total Body or any Organ (except thyroid)					
Total body air submersion	2.1E-04	2.2E-04	1.9E-04	6.1E-04	
Critical organ dose (air)	8.8E-04	2.4E-03	1.9E-03	2.5E-03	
Total body dose (liquid)	4.2E-03	2.0E-02	9.6E-03	4.0E-03	
Maximum organ dose (liquid)	6.0E-03	2.8E-02	1.4E-02	5.7E-03	
Direct Radiation Dose	0	0	0	0	
Total	**1.1E-02**	**5.1E-02**	**2.6E-02**	**1.3E-02**	
Cumulative Total Dose (mrem) (Total body or any other organ)					**1.0E-01**
Annual Dose Limit (mrem)					**2.5E+01**
Percent of Limit					**< 1 %**
Thyroid Dose (mrem)					
Total body air submersion	2.1E-04	2.2E-04	1.9E-04	6.1E-04	
Thyroid dose (airborne)	1.5E-03	2.9E-03	2.2E-03	3.4E-03	
Total body dose (liquid)	4.2E-03	2.0E-02	9.6E-03	4.0E-03	
Thyroid dose (liquid)	7.6E-04	1.8E-03	7.8E-04	4.7E-04	
Direct Radiation Dose					
Total	**6.7E-03**	**2.5E-02**	**1.3E-02**	**8.5E-03**	
Cumulative Total Dose (Thyroid) mrem					**5.3E-02**
Annual Dose Limit (mrem)					**7.5E+01**
Percent of Limit					**< 1 %**

ENCLOSURE 2

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 1, 2 AND 3

METEOROGICAL DATA TABLES
2007

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 10

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR GROUND LEVEL RELEASES

FIRST QUARTER

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.048	0.145	0.000	0.000	0.000	0.193
NNE	0.000	0.000	0.000	0.000	0.097	0.290	0.000	0.000	0.000	0.386
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.531	0.386	0.000	0.000	0.000	0.000	0.918
SSE	0.000	0.000	0.193	0.773	0.000	0.000	0.000	0.000	0.000	0.966
S	0.000	0.000	0.290	0.628	0.290	0.000	0.000	0.000	0.000	1.208
SSW	0.000	0.000	0.048	0.290	0.193	0.000	0.000	0.000	0.000	0.531
SW	0.000	0.000	0.048	0.048	0.048	0.048	0.000	0.000	0.000	0.193
WSW	0.000	0.000	0.000	0.000	0.097	0.242	0.000	0.000	0.000	0.338
W	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.048
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.242	0.242	0.000	0.000	0.483
SUBTOTAL	0.000	0.000	0.580	2.271	1.208	0.966	0.242	0.000	0.000	5.266

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS A	113
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	109
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2070
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 6.09

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.048	0.193	0.000	0.000	0.000	0.242
NNE	0.000	0.000	0.000	0.145	0.048	0.097	0.000	0.000	0.000	0.290
NE	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.048
ENE	0.000	0.000	0.000	0.000	0.097	0.048	0.000	0.000	0.000	0.145
E	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.048
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.048	0.048	0.000	0.000	0.000	0.000	0.097
SSE	0.000	0.000	0.145	0.242	0.000	0.000	0.000	0.000	0.000	0.386
S	0.000	0.000	0.000	0.290	0.097	0.000	0.000	0.000	0.000	0.386
SSW	0.000	0.000	0.000	0.193	0.048	0.000	0.000	0.000	0.000	0.242
SW	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.048
WSW	0.000	0.000	0.000	0.048	0.048	0.048	0.000	0.000	0.000	0.145
W	0.000	0.000	0.000	0.000	0.048	0.097	0.097	0.000	0.000	0.242
WNW	0.000	0.000	0.000	0.000	0.000	0.048	0.193	0.000	0.000	0.242
NW	0.000	0.000	0.000	0.000	0.000	0.193	0.048	0.000	0.000	0.242
NNW	0.000	0.000	0.000	0.000	0.000	0.048	0.338	0.000	0.000	0.386
SUBTOTAL	0.000	0.000	0.193	0.966	0.531	0.821	0.676	0.000	0.000	3.188

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS B	69
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	66
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2070
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 8.10

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.048	0.242	0.242	0.000	0.000	0.000	0.531
NNE	0.000	0.000	0.000	0.097	0.193	0.048	0.000	0.000	0.000	0.338
NE	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.048
ENE	0.000	0.000	0.000	0.048	0.097	0.048	0.000	0.000	0.000	0.193
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.145	0.145	0.097	0.000	0.000	0.000	0.000	0.386
SSE	0.000	0.000	0.386	0.242	0.000	0.000	0.000	0.000	0.000	0.628
S	0.000	0.000	0.145	0.193	0.000	0.000	0.000	0.000	0.000	0.338
SSW	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.048
SW	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.048
WSW	0.000	0.000	0.000	0.097	0.048	0.242	0.000	0.000	0.000	0.386
W	0.000	0.000	0.048	0.000	0.000	0.145	0.000	0.000	0.000	0.193
WNW	0.000	0.000	0.000	0.000	0.000	0.338	0.097	0.000	0.000	0.435
NW	0.000	0.000	0.000	0.000	0.097	0.290	0.048	0.097	0.000	0.531
NNW	0.000	0.000	0.000	0.000	0.145	0.242	0.193	0.000	0.000	0.580
SUBTOTAL	0.000	0.000	0.773	0.918	0.918	1.643	0.338	0.097	0.000	4.686

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS C	100
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	97
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2070
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 7.38

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.193	0.290	0.531	1.014	0.000	0.000	0.000	2.029
NNE	0.000	0.000	0.242	0.531	0.966	0.918	0.000	0.000	0.000	2.657
NE	0.000	0.000	0.242	0.242	0.338	0.145	0.000	0.000	0.000	0.966
ENE	0.000	0.000	0.242	0.290	0.531	0.000	0.000	0.000	0.000	1.063
E	0.000	0.000	0.193	0.290	0.048	0.000	0.000	0.000	0.000	0.531
ESE	0.000	0.000	0.290	0.242	0.386	0.193	0.000	0.000	0.000	1.111
SE	0.000	0.000	0.821	0.676	0.193	0.048	0.000	0.000	0.000	1.739
SSE	0.000	0.048	1.498	0.338	0.000	0.000	0.000	0.000	0.000	1.884
S	0.000	0.000	0.725	0.725	0.145	0.048	0.000	0.000	0.000	1.643
SSW	0.000	0.000	0.242	0.290	0.290	0.000	0.000	0.000	0.000	0.821
SW	0.000	0.000	0.193	0.000	0.048	0.000	0.000	0.000	0.000	0.242
WSW	0.000	0.097	0.193	0.242	0.097	0.193	0.000	0.000	0.000	0.821
W	0.000	0.048	0.145	0.628	0.870	0.435	0.048	0.000	0.000	2.174
WNW	0.000	0.000	0.000	0.386	0.580	1.401	0.483	0.193	0.000	3.043
NW	0.000	0.000	0.048	0.531	1.063	3.237	2.319	0.483	0.000	7.681
NNW	0.000	0.000	0.097	0.338	0.483	1.981	0.628	0.000	0.000	3.527
SUBTOTAL	0.000	0.193	5.362	6.039	6.570	9.614	3.478	0.676	0.000	31.932

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS D	680
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	661
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2070
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 7.54

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.048	0.386	0.242	0.290	0.000	0.000	0.000	0.000	0.966
NNE	0.000	0.000	0.338	0.290	0.435	0.290	0.000	0.000	0.000	1.353
NE	0.000	0.048	0.290	0.386	0.242	0.097	0.000	0.000	0.000	1.063
ENE	0.000	0.000	0.483	0.435	0.193	0.097	0.000	0.000	0.000	1.208
E	0.000	0.000	0.580	0.242	0.048	0.000	0.000	0.000	0.000	0.870
ESE	0.000	0.145	0.676	1.304	0.580	0.000	0.000	0.000	0.000	2.705
SE	0.000	0.145	1.208	0.966	0.531	0.048	0.000	0.000	0.000	2.899
SSE	0.000	0.145	1.353	0.483	0.000	0.000	0.000	0.000	0.000	1.981
S	0.000	0.048	1.014	1.498	0.918	0.531	0.000	0.000	0.000	4.010
SSW	0.000	0.097	0.628	0.531	0.386	0.193	0.000	0.000	0.000	1.836
SW	0.000	0.000	0.821	0.193	0.000	0.000	0.000	0.000	0.000	1.014
WSW	0.000	0.000	0.821	0.338	0.193	0.048	0.000	0.000	0.000	1.401
W	0.000	0.048	0.483	0.628	0.242	0.145	0.000	0.000	0.000	1.546
WNW	0.000	0.000	0.290	0.145	0.193	0.242	0.048	0.000	0.000	0.918
NW	0.000	0.048	0.193	0.338	0.290	0.483	0.097	0.000	0.000	1.449
NNW	0.000	0.048	0.145	0.290	0.966	0.821	0.097	0.000	0.000	2.367
SUBTOTAL	0.000	0.821	9.710	8.309	5.507	2.995	0.242	0.000	0.000	27.585

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS E	592
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	571
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2070
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 4.64

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.097	0.580	0.483	0.145	0.000	0.000	0.000	0.000	1.304
NNE	0.000	0.048	0.290	0.338	0.290	0.000	0.000	0.000	0.000	0.966
NE	0.000	0.048	0.290	0.097	0.193	0.048	0.000	0.000	0.000	0.676
ENE	0.000	0.048	0.290	0.097	0.048	0.000	0.000	0.000	0.000	0.483
E	0.000	0.097	0.338	0.338	0.000	0.000	0.000	0.000	0.000	0.773
ESE	0.000	0.145	1.014	0.193	0.000	0.000	0.000	0.000	0.000	1.353
SE	0.000	0.386	1.111	0.338	0.000	0.000	0.000	0.000	0.000	1.836
SSE	0.000	0.193	1.498	0.338	0.145	0.000	0.000	0.000	0.000	2.174
S	0.000	0.048	0.773	1.401	0.435	0.290	0.000	0.000	0.000	2.947
SSW	0.000	0.097	0.338	0.193	0.097	0.000	0.000	0.000	0.000	0.725
SW	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048
WSW	0.000	0.000	0.097	0.048	0.000	0.000	0.000	0.000	0.000	0.145
W	0.000	0.000	0.242	0.097	0.048	0.000	0.000	0.000	0.000	0.386
WNW	0.000	0.000	0.097	0.048	0.145	0.000	0.000	0.000	0.000	0.290
NW	0.000	0.000	0.097	0.000	0.000	0.000	0.000	0.000	0.000	0.097
NNW	0.000	0.145	0.290	0.435	0.483	0.000	0.000	0.000	0.000	1.353
SUBTOTAL	0.000	1.401	7.343	4.444	2.029	0.338	0.000	0.000	0.000	15.556

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS F	338
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	322
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2070
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 3.52

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.290	0.628	0.145	0.048	0.000	0.000	0.000	0.000	1.111
NNE	0.000	0.193	0.193	0.145	0.193	0.000	0.000	0.000	0.000	0.725
NE	0.000	0.145	0.097	0.000	0.000	0.000	0.000	0.000	0.000	0.242
ENE	0.000	0.145	0.145	0.000	0.000	0.000	0.000	0.000	0.000	0.290
E	0.000	0.145	0.097	0.000	0.000	0.000	0.000	0.000	0.000	0.242
ESE	0.000	0.290	0.435	0.000	0.000	0.000	0.000	0.000	0.000	0.725
SE	0.000	0.531	1.256	0.097	0.000	0.000	0.000	0.000	0.000	1.884
SSE	0.000	0.435	3.043	0.483	0.048	0.000	0.000	0.000	0.000	4.010
S	0.000	0.048	0.773	0.386	0.048	0.000	0.000	0.000	0.000	1.256
SSW	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048
SW	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.097	0.000	0.000	0.000	0.000	0.000	0.000	0.097
WNW	0.000	0.097	0.193	0.000	0.000	0.000	0.000	0.000	0.000	0.290
NW	0.000	0.048	0.290	0.000	0.000	0.000	0.000	0.000	0.000	0.338
NNW	0.000	0.097	0.338	0.048	0.000	0.000	0.000	0.000	0.000	0.483
SUBTOTAL	0.000	2.560	7.585	1.304	0.338	0.000	0.000	0.000	0.000	11.787

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS G	252
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	244
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2070
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 2.36

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 11

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR GROUND LEVEL RELEASES

SECOND QUARTER

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.141	0.937	0.000	0.000	0.000	1.078
NNE	0.000	0.000	0.000	0.000	0.094	0.609	0.047	0.000	0.000	0.750
NE	0.000	0.000	0.000	0.000	0.000	0.047	0.047	0.000	0.000	0.094
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.234	0.609	0.047	0.000	0.000	0.000	0.890
SE	0.000	0.000	0.515	1.546	0.375	0.000	0.000	0.000	0.000	2.437
SSE	0.000	0.000	0.656	1.453	0.000	0.000	0.000	0.000	0.000	2.109
S	0.000	0.000	0.609	1.218	0.000	0.000	0.000	0.000	0.000	1.828
SSW	0.000	0.000	0.187	0.750	0.141	0.000	0.000	0.000	0.000	1.078
SW	0.000	0.000	0.094	0.469	0.000	0.000	0.000	0.000	0.000	0.562
WSW	0.000	0.000	0.000	0.281	0.047	0.047	0.000	0.000	0.000	0.375
W	0.000	0.000	0.000	0.047	0.422	0.281	0.000	0.000	0.000	0.750
WNW	0.000	0.000	0.047	0.141	0.281	1.172	0.937	0.000	0.000	2.577
NW	0.000	0.000	0.047	0.047	0.234	0.703	0.843	0.047	0.000	1.921
NNW	0.000	0.000	0.000	0.000	0.047	0.843	0.187	0.000	0.000	1.078
SUBTOTAL	0.000	0.000	2.156	6.186	2.390	4.686	2.062	0.047	0.000	17.526

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS A	375
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	374
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2134
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 7.09

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.047	0.047	0.141	0.000	0.000	0.000	0.234
NNE	0.000	0.000	0.000	0.047	0.047	0.328	0.000	0.000	0.000	0.422
NE	0.000	0.000	0.000	0.047	0.094	0.141	0.000	0.000	0.000	0.281
ENE	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.047
E	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.047
ESE	0.000	0.000	0.047	0.141	0.094	0.000	0.000	0.000	0.000	0.281
SE	0.000	0.000	0.234	0.469	0.000	0.000	0.000	0.000	0.000	0.703
SSE	0.000	0.000	0.515	0.281	0.000	0.000	0.000	0.000	0.000	0.797
S	0.000	0.000	0.094	0.187	0.000	0.000	0.000	0.000	0.000	0.281
SSW	0.000	0.000	0.141	0.515	0.000	0.000	0.000	0.000	0.000	0.656
SW	0.000	0.000	0.141	0.094	0.000	0.000	0.000	0.000	0.000	0.234
WSW	0.000	0.000	0.047	0.187	0.047	0.000	0.000	0.000	0.000	0.281
W	0.000	0.000	0.000	0.094	0.094	0.000	0.000	0.000	0.000	0.187
WNW	0.000	0.000	0.000	0.047	0.047	0.375	0.141	0.000	0.000	0.609
NW	0.000	0.000	0.000	0.094	0.000	0.375	0.094	0.047	0.000	0.609
NNW	0.000	0.000	0.000	0.000	0.000	0.187	0.000	0.000	0.000	0.187
SUBTOTAL	0.000	0.000	1.218	2.296	0.515	1.546	0.234	0.047	0.000	5.858

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS B	127
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	125
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2134
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 6.18

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.047
NNE	0.000	0.000	0.000	0.094	0.141	0.047	0.000	0.000	0.000	0.281
NE	0.000	0.000	0.000	0.047	0.094	0.234	0.000	0.000	0.000	0.375
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.234	0.047	0.000	0.000	0.000	0.000	0.281
SE	0.000	0.000	0.469	0.047	0.000	0.000	0.000	0.000	0.000	0.515
SSE	0.000	0.000	0.703	0.187	0.000	0.000	0.000	0.000	0.000	0.890
S	0.000	0.000	0.234	0.234	0.000	0.000	0.000	0.000	0.000	0.469
SSW	0.000	0.000	0.187	0.281	0.000	0.000	0.000	0.000	0.000	0.469
SW	0.000	0.000	0.094	0.141	0.000	0.000	0.000	0.000	0.000	0.234
WSW	0.000	0.000	0.000	0.234	0.000	0.000	0.000	0.000	0.000	0.234
W	0.000	0.000	0.047	0.047	0.094	0.047	0.000	0.000	0.000	0.234
WNW	0.000	0.000	0.000	0.047	0.234	0.328	0.047	0.000	0.000	0.656
NW	0.000	0.000	0.000	0.000	0.094	0.187	0.141	0.047	0.000	0.469
NNW	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.047
SUBTOTAL	0.000	0.000	1.734	1.687	0.703	0.843	0.187	0.047	0.000	5.201

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS C	112
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	111
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2134
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 5.42

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.094	0.047	0.515	0.141	0.000	0.000	0.000	0.797
NNE	0.000	0.000	0.000	0.562	0.515	0.562	0.000	0.000	0.000	1.640
NE	0.000	0.000	0.047	0.094	0.422	0.234	0.047	0.000	0.000	0.843
ENE	0.000	0.000	0.000	0.047	0.187	0.094	0.000	0.000	0.000	0.328
E	0.000	0.000	0.094	0.047	0.094	0.000	0.000	0.000	0.000	0.234
ESE	0.000	0.000	0.562	0.937	0.750	0.047	0.000	0.000	0.000	2.296
SE	0.000	0.047	1.125	0.422	0.000	0.000	0.000	0.000	0.000	1.593
SSE	0.000	0.094	1.406	0.469	0.000	0.000	0.000	0.000	0.000	1.968
S	0.000	0.094	1.359	0.609	0.141	0.000	0.000	0.000	0.000	2.202
SSW	0.000	0.000	1.172	0.469	0.187	0.000	0.000	0.000	0.000	1.828
SW	0.000	0.000	0.422	0.187	0.000	0.000	0.000	0.000	0.000	0.609
WSW	0.000	0.000	0.469	0.515	0.047	0.000	0.000	0.000	0.000	1.031
W	0.000	0.047	0.094	0.797	0.562	0.422	0.047	0.000	0.000	1.968
WNW	0.000	0.000	0.141	0.234	0.234	0.609	0.141	0.000	0.000	1.359
NW	0.000	0.000	0.047	0.187	0.094	0.703	0.984	0.187	0.000	2.202
NNW	0.000	0.000	0.094	0.328	0.187	0.375	0.141	0.000	0.000	1.125
SUBTOTAL	0.000	0.281	7.123	5.951	3.936	3.187	1.359	0.187	0.000	22.024

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS D	471
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	470
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2134
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 5.59

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.047	0.890	0.890	0.281	0.187	0.000	0.000	0.000	2.296
NNE	0.000	0.047	0.281	0.422	0.562	0.094	0.000	0.000	0.000	1.406
NE	0.000	0.047	0.375	0.234	0.234	0.141	0.000	0.000	0.000	1.031
ENE	0.000	0.000	0.703	0.187	0.047	0.141	0.000	0.000	0.000	1.078
E	0.000	0.000	1.781	0.656	0.047	0.000	0.000	0.000	0.000	2.484
ESE	0.000	0.187	1.874	1.312	0.141	0.000	0.000	0.000	0.000	3.515
SE	0.000	0.375	0.656	0.187	0.000	0.000	0.000	0.000	0.000	1.218
SSE	0.000	0.141	0.984	0.141	0.000	0.000	0.000	0.000	0.000	1.265
S	0.000	0.047	1.453	0.281	0.000	0.000	0.000	0.000	0.000	1.781
SSW	0.000	0.141	0.609	0.375	0.047	0.047	0.000	0.000	0.000	1.218
SW	0.000	0.094	0.187	0.000	0.000	0.047	0.000	0.000	0.000	0.328
WSW	0.000	0.094	0.562	0.141	0.047	0.000	0.000	0.000	0.000	0.843
W	0.000	0.094	0.281	0.469	0.234	0.234	0.047	0.000	0.000	1.359
WNW	0.000	0.000	0.141	0.141	0.141	0.094	0.000	0.000	0.000	0.515
NW	0.000	0.047	0.141	0.094	0.187	0.328	0.047	0.000	0.000	0.843
NNW	0.000	0.094	0.281	0.328	0.328	0.375	0.047	0.000	0.000	1.453
SUBTOTAL	0.000	1.453	11.200	5.858	2.296	1.687	0.141	0.000	0.000	22.634

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS E	486
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	483
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2134
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 3.80

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.005	0.141	0.937	1.031	0.094	0.000	0.000	0.000	0.000	2.208
NNE	0.002	0.141	0.328	0.422	0.328	0.000	0.000	0.000	0.000	1.221
NE	0.003	0.281	0.281	0.281	0.047	0.000	0.000	0.000	0.000	0.893
ENE	0.003	0.094	0.562	0.187	0.000	0.000	0.000	0.000	0.000	0.847
E	0.007	0.328	1.172	0.843	0.000	0.000	0.000	0.000	0.000	2.350
ESE	0.006	0.094	1.218	0.141	0.000	0.000	0.000	0.000	0.000	1.459
SE	0.005	0.469	0.515	0.000	0.000	0.000	0.000	0.000	0.000	0.989
SSE	0.002	0.141	0.281	0.000	0.000	0.000	0.000	0.000	0.000	0.424
S	0.003	0.094	0.515	0.047	0.000	0.000	0.000	0.000	0.000	0.659
SSW	0.001	0.047	0.094	0.000	0.000	0.000	0.000	0.000	0.000	0.141
SW	0.001	0.094	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.141
WSW	0.002	0.094	0.234	0.000	0.047	0.000	0.000	0.000	0.000	0.376
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.001	0.141	0.141	0.047	0.047	0.000	0.000	0.000	0.000	0.376
NW	0.002	0.187	0.281	0.187	0.047	0.000	0.000	0.000	0.000	0.705
NNW	0.005	0.094	0.890	0.562	0.047	0.000	0.000	0.000	0.000	1.598
SUBTOTAL	0.047	2.437	7.498	3.749	0.656	0.000	0.000	0.000	0.000	14.386

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS F	311
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	307
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2134
TOTAL HOURS CALM	1

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 2.84

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.010	0.750	1.500	0.750	0.000	0.000	0.000	0.000	0.000	3.009
NNE	0.004	0.609	0.375	0.094	0.000	0.000	0.000	0.000	0.000	1.082
NE	0.005	0.422	0.843	0.094	0.000	0.000	0.000	0.000	0.000	1.364
ENE	0.003	0.141	0.515	0.141	0.000	0.000	0.000	0.000	0.000	0.799
E	0.004	0.281	0.703	0.187	0.000	0.000	0.000	0.000	0.000	1.176
ESE	0.002	0.187	0.234	0.000	0.000	0.000	0.000	0.000	0.000	0.424
SE	0.001	0.141	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.188
SSE	0.002	0.469	0.094	0.000	0.000	0.000	0.000	0.000	0.000	0.565
S	0.001	0.094	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.141
SSW	0.000	0.047	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.094
SW	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.001	0.141	0.094	0.000	0.000	0.000	0.000	0.000	0.000	0.235
WNW	0.001	0.234	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.282
NW	0.003	0.375	0.234	0.000	0.000	0.000	0.000	0.000	0.000	0.612
NNW	0.010	1.078	1.218	0.047	0.000	0.000	0.000	0.000	0.000	2.353
SUBTOTAL	0.047	5.014	5.998	1.312	0.000	0.000	0.000	0.000	0.000	12.371

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS G	266
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	264
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2134
TOTAL HOURS CALM	1

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 1.98

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 12

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR GROUND LEVEL RELEASES

THIRD QUARTER

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.045	0.091	0.091	0.000	0.000	0.000	0.227
NNE	0.000	0.000	0.000	0.000	0.045	0.091	0.000	0.000	0.000	0.136
NE	0.000	0.000	0.000	0.000	0.091	0.091	0.000	0.000	0.000	0.182
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.636	0.591	0.045	0.000	0.000	0.000	1.273
SE	0.000	0.000	0.455	2.636	0.136	0.000	0.000	0.000	0.000	3.227
SSE	0.000	0.000	0.591	1.409	0.000	0.000	0.000	0.000	0.000	2.000
S	0.000	0.000	0.773	1.045	0.045	0.000	0.000	0.000	0.000	1.864
SSW	0.000	0.000	0.091	0.364	0.091	0.000	0.000	0.000	0.000	0.545
SW	0.000	0.000	0.045	0.136	0.000	0.000	0.000	0.000	0.000	0.182
WSW	0.000	0.000	0.000	0.273	0.091	0.000	0.000	0.000	0.000	0.364
W	0.000	0.000	0.000	0.091	1.364	0.682	0.000	0.000	0.000	2.136
WNW	0.000	0.000	0.000	0.091	0.364	0.091	0.045	0.000	0.000	0.591
NW	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.045
NNW	0.000	0.000	0.000	0.000	0.000	0.091	0.000	0.045	0.000	0.136
SUBTOTAL	0.000	0.000	1.955	6.727	2.909	1.227	0.045	0.045	0.000	12.909

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2201
TOTAL HOURS OF STABILITY CLASS A	284
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	284
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2200
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 4.99

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.136	0.364	0.000	0.000	0.000	0.500
NNE	0.000	0.000	0.000	0.000	0.045	0.273	0.000	0.000	0.000	0.318
NE	0.000	0.000	0.000	0.045	0.045	0.091	0.045	0.000	0.000	0.227
ENE	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.045
E	0.000	0.000	0.000	0.091	0.045	0.000	0.000	0.000	0.000	0.136
ESE	0.000	0.000	0.045	0.409	0.136	0.045	0.000	0.000	0.000	0.636
SE	0.000	0.000	0.227	0.273	0.000	0.000	0.000	0.000	0.000	0.500
SSE	0.000	0.000	0.409	0.455	0.000	0.000	0.000	0.000	0.000	0.864
S	0.000	0.000	0.227	0.136	0.000	0.000	0.000	0.000	0.000	0.364
SSW	0.000	0.000	0.136	0.227	0.000	0.000	0.000	0.000	0.000	0.364
SW	0.000	0.000	0.000	0.273	0.000	0.000	0.000	0.000	0.000	0.273
WSW	0.000	0.000	0.000	0.091	0.091	0.000	0.000	0.000	0.000	0.182
W	0.000	0.000	0.045	0.273	0.545	0.136	0.000	0.000	0.000	1.000
WNW	0.000	0.000	0.000	0.091	0.091	0.182	0.000	0.000	0.000	0.364
NW	0.000	0.000	0.000	0.000	0.045	0.045	0.000	0.000	0.000	0.091
NNW	0.000	0.000	0.000	0.000	0.045	0.045	0.000	0.000	0.000	0.091
SUBTOTAL	0.000	0.000	1.091	2.409	1.227	1.182	0.045	0.000	0.000	5.955

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2201
TOTAL HOURS OF STABILITY CLASS B	131
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	131
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2200
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 5.48

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.045	0.182	0.045	0.000	0.000	0.000	0.273
NNE	0.000	0.000	0.045	0.045	0.091	0.182	0.000	0.000	0.000	0.364
NE	0.000	0.000	0.000	0.091	0.045	0.045	0.000	0.000	0.000	0.182
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.045	0.136	0.045	0.000	0.000	0.000	0.000	0.227
ESE	0.000	0.000	0.000	0.364	0.045	0.000	0.000	0.000	0.000	0.409
SE	0.000	0.000	0.273	0.136	0.000	0.000	0.000	0.000	0.000	0.409
SSE	0.000	0.000	0.455	0.227	0.000	0.000	0.000	0.000	0.000	0.682
S	0.000	0.000	0.318	0.000	0.000	0.000	0.000	0.000	0.000	0.318
SSW	0.000	0.000	0.227	0.091	0.000	0.000	0.000	0.000	0.000	0.318
SW	0.000	0.000	0.182	0.182	0.000	0.000	0.000	0.000	0.000	0.364
WSW	0.000	0.000	0.136	0.273	0.000	0.000	0.000	0.000	0.000	0.409
W	0.000	0.000	0.045	0.182	0.227	0.091	0.000	0.000	0.000	0.545
WNW	0.000	0.000	0.000	0.000	0.182	0.227	0.000	0.000	0.000	0.409
NW	0.000	0.000	0.000	0.000	0.091	0.091	0.000	0.000	0.000	0.182
NNW	0.000	0.000	0.000	0.000	0.045	0.045	0.000	0.000	0.000	0.091
SUBTOTAL	0.000	0.000	1.727	1.773	0.955	0.727	0.000	0.000	0.000	5.182

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2201
TOTAL HOURS OF STABILITY CLASS C	114
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	114
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2200
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 4.90

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.182	0.636	0.591	0.182	0.000	0.000	0.000	1.591
NNE	0.000	0.045	0.273	0.818	0.818	0.273	0.000	0.000	0.000	2.227
NE	0.000	0.000	0.273	0.409	0.500	0.045	0.000	0.000	0.000	1.227
ENE	0.000	0.045	0.045	0.455	0.091	0.000	0.000	0.000	0.000	0.636
E	0.000	0.045	0.500	0.591	0.091	0.045	0.000	0.000	0.000	1.273
ESE	0.000	0.000	0.591	1.091	0.364	0.045	0.000	0.000	0.000	2.091
SE	0.000	0.091	1.591	0.364	0.000	0.000	0.000	0.000	0.000	2.045
SSE	0.000	0.136	1.545	0.227	0.000	0.000	0.000	0.000	0.000	1.909
S	0.000	0.045	1.818	0.364	0.000	0.000	0.000	0.000	0.000	2.227
SSW	0.000	0.000	1.364	0.000	0.000	0.000	0.000	0.000	0.000	1.364
SW	0.000	0.136	0.773	0.091	0.000	0.000	0.000	0.000	0.000	1.000
WSW	0.000	0.000	2.227	1.227	0.227	0.045	0.000	0.000	0.000	3.727
W	0.000	0.045	1.091	2.091	1.455	0.045	0.000	0.000	0.000	4.727
WNW	0.000	0.000	0.273	0.636	0.500	0.182	0.000	0.000	0.000	1.591
NW	0.000	0.000	0.182	0.182	0.136	0.409	0.000	0.000	0.000	0.909
NNW	0.000	0.000	0.045	0.682	0.318	0.091	0.045	0.000	0.000	1.182
SUBTOTAL	0.000	0.591	12.773	9.864	5.091	1.364	0.045	0.000	0.000	29.727

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2201
TOTAL HOURS OF STABILITY CLASS D	654
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	654
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2200
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 4.05

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.091	0.727	0.273	0.182	0.091	0.000	0.000	0.000	1.364
NNE	0.000	0.091	1.045	0.500	0.500	0.000	0.000	0.000	0.000	2.136
NE	0.000	0.136	0.545	0.182	0.182	0.091	0.000	0.000	0.000	1.136
ENE	0.000	0.091	1.045	0.864	0.136	0.000	0.000	0.000	0.000	2.136
E	0.000	0.136	2.318	1.273	0.000	0.000	0.000	0.000	0.000	3.727
ESE	0.000	0.227	1.364	0.636	0.091	0.000	0.000	0.000	0.000	2.318
SE	0.000	0.227	1.227	0.045	0.000	0.000	0.000	0.000	0.000	1.500
SSE	0.000	0.136	0.864	0.000	0.000	0.000	0.000	0.000	0.000	1.000
S	0.000	0.091	1.364	0.091	0.000	0.000	0.000	0.000	0.000	1.545
SSW	0.000	0.136	0.773	0.000	0.000	0.000	0.000	0.000	0.000	0.909
SW	0.000	0.091	0.545	0.000	0.000	0.000	0.000	0.000	0.000	0.636
WSW	0.000	0.136	1.182	0.182	0.000	0.000	0.000	0.000	0.000	1.500
W	0.000	0.091	0.864	1.045	0.500	0.000	0.000	0.000	0.000	2.500
WNW	0.000	0.091	0.091	0.182	0.045	0.000	0.000	0.000	0.000	0.409
NW	0.000	0.045	0.318	0.045	0.091	0.000	0.000	0.000	0.000	0.500
NNW	0.000	0.045	0.545	0.364	0.273	0.000	0.000	0.000	0.000	1.227
SUBTOTAL	0.000	1.864	14.818	5.682	2.000	0.182	0.000	0.000	0.000	24.545

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2201
TOTAL HOURS OF STABILITY CLASS E	540
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	540
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2200
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 3.10

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.136	0.818	0.773	0.000	0.000	0.000	0.000	0.000	1.727
NNE	0.000	0.136	0.727	1.136	0.409	0.136	0.000	0.000	0.000	2.545
NE	0.000	0.273	0.773	0.318	0.227	0.136	0.000	0.000	0.000	1.727
ENE	0.000	0.227	1.182	0.864	0.000	0.000	0.000	0.000	0.000	2.273
E	0.000	0.091	1.636	1.227	0.000	0.000	0.000	0.000	0.000	2.955
ESE	0.000	0.091	0.727	0.136	0.000	0.000	0.000	0.000	0.000	0.955
SE	0.000	0.045	0.318	0.000	0.000	0.000	0.000	0.000	0.000	0.364
SSE	0.000	0.045	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.091
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.045	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.136
SW	0.000	0.045	0.136	0.000	0.000	0.000	0.000	0.000	0.000	0.182
WSW	0.000	0.273	0.136	0.000	0.000	0.000	0.000	0.000	0.000	0.409
W	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.045
WNW	0.000	0.000	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.091
NW	0.000	0.091	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.136
NNW	0.000	0.182	0.182	0.000	0.000	0.045	0.000	0.000	0.000	0.409
SUBTOTAL	0.000	1.682	6.955	4.455	0.636	0.318	0.000	0.000	0.000	14.045

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2201
TOTAL HOURS OF STABILITY CLASS F	310
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	309
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2200
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 3.14

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.682	1.545	0.682	0.000	0.000	0.000	0.000	0.000	2.909
NNE	0.000	0.682	0.818	0.409	0.045	0.000	0.000	0.000	0.000	1.955
NE	0.000	0.136	0.318	0.045	0.000	0.000	0.000	0.000	0.000	0.500
ENE	0.000	0.091	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.591
E	0.000	0.136	0.091	0.091	0.000	0.000	0.000	0.000	0.000	0.318
ESE	0.000	0.045	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.091
SE	0.000	0.000	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.091
SSE	0.000	0.045	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.091
S	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.045
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.091
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.091	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.182
NNW	0.000	0.455	0.273	0.045	0.000	0.000	0.000	0.000	0.000	0.773
SUBTOTAL	0.000	2.500	3.818	1.273	0.045	0.000	0.000	0.000	0.000	7.636

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2201
TOTAL HOURS OF STABILITY CLASS G	168
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	168
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2200
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 2.27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 13

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR GROUND LEVEL RELEASES

FOURTH QUARTER

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.138	0.000	0.000	0.000	0.138
NNE	0.000	0.000	0.000	0.000	0.046	0.138	0.000	0.000	0.000	0.184
NE	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.046
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.138	0.000	0.000	0.000	0.000	0.000	0.138
SE	0.000	0.000	0.184	1.335	0.414	0.000	0.000	0.000	0.000	1.934
SSE	0.000	0.000	0.230	0.691	0.000	0.000	0.000	0.000	0.000	0.921
S	0.000	0.000	0.230	0.460	0.092	0.000	0.000	0.000	0.000	0.783
SSW	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.092	0.000	0.000	0.092
NNW	0.000	0.000	0.000	0.000	0.000	0.138	0.184	0.000	0.000	0.322
SUBTOTAL	0.000	0.000	0.645	2.670	0.552	0.460	0.276	0.000	0.000	4.604

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2176
TOTAL HOURS OF STABILITY CLASS A	100
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	100
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2172
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 5.47

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.092	0.092	0.000	0.000	0.000	0.184
NNE	0.000	0.000	0.000	0.000	0.230	0.276	0.000	0.000	0.000	0.506
NE	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.046
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.046	0.046	0.000	0.000	0.000	0.000	0.092
SE	0.000	0.000	0.000	0.460	0.092	0.000	0.000	0.000	0.000	0.552
SSE	0.000	0.000	0.000	0.230	0.000	0.000	0.000	0.000	0.000	0.230
S	0.000	0.000	0.092	0.092	0.046	0.000	0.000	0.000	0.000	0.230
SSW	0.000	0.000	0.046	0.138	0.000	0.000	0.000	0.000	0.000	0.184
SW	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
WSW	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.046
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.046
NW	0.000	0.000	0.000	0.000	0.000	0.092	0.184	0.000	0.000	0.276
NNW	0.000	0.000	0.000	0.000	0.092	0.368	0.000	0.000	0.000	0.460
SUBTOTAL	0.000	0.000	0.138	1.013	0.691	0.875	0.184	0.000	0.000	2.901

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2176
TOTAL HOURS OF STABILITY CLASS B	63
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	63
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2172
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 7.10

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.046	0.322	0.000	0.000	0.000	0.368
NNE	0.000	0.000	0.000	0.000	0.230	0.184	0.000	0.000	0.000	0.414
NE	0.000	0.000	0.000	0.000	0.092	0.000	0.000	0.000	0.000	0.092
ENE	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.046
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.092	0.092	0.000	0.000	0.000	0.000	0.184
SE	0.000	0.000	0.230	0.368	0.000	0.000	0.000	0.000	0.000	0.599
SSE	0.000	0.000	0.092	0.046	0.000	0.000	0.000	0.000	0.000	0.138
S	0.000	0.000	0.046	0.184	0.000	0.000	0.000	0.000	0.000	0.230
SSW	0.000	0.000	0.138	0.046	0.000	0.000	0.000	0.000	0.000	0.184
SW	0.000	0.000	0.000	0.092	0.000	0.000	0.000	0.000	0.000	0.092
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.046
WNW	0.000	0.000	0.000	0.000	0.046	0.138	0.092	0.000	0.000	0.276
NW	0.000	0.000	0.000	0.000	0.046	0.138	0.092	0.000	0.000	0.276
NNW	0.000	0.000	0.000	0.000	0.092	0.092	0.138	0.000	0.000	0.322
SUBTOTAL	0.000	0.000	0.506	0.829	0.737	0.875	0.322	0.000	0.000	3.269

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2176
TOTAL HOURS OF STABILITY CLASS C	72
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	71
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2172
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 6.86

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.092	0.276	0.460	1.013	0.046	0.000	0.000	1.888
NNE	0.000	0.000	0.230	0.276	0.460	0.184	0.000	0.000	0.000	1.151
NE	0.000	0.000	0.138	0.230	0.276	0.046	0.046	0.000	0.000	0.737
ENE	0.000	0.000	0.092	0.322	0.046	0.000	0.000	0.000	0.000	0.460
E	0.000	0.000	0.092	0.552	0.230	0.000	0.000	0.000	0.000	0.875
ESE	0.000	0.000	0.783	0.967	0.921	0.046	0.000	0.000	0.000	2.716
SE	0.000	0.046	1.565	0.875	0.092	0.046	0.000	0.000	0.000	2.624
SSE	0.000	0.000	2.026	0.230	0.000	0.000	0.000	0.000	0.000	2.256
S	0.000	0.000	1.842	0.967	0.046	0.000	0.000	0.000	0.000	2.855
SSW	0.000	0.000	0.783	0.829	0.046	0.000	0.000	0.000	0.000	1.657
SW	0.000	0.000	0.368	0.230	0.000	0.000	0.000	0.000	0.000	0.599
WSW	0.000	0.000	0.322	0.783	0.368	0.092	0.000	0.000	0.000	1.565
W	0.000	0.000	0.276	1.197	0.645	0.921	0.184	0.000	0.000	3.223
WNW	0.000	0.000	0.276	0.506	0.599	0.783	0.552	0.138	0.000	2.855
NW	0.000	0.000	0.092	0.276	0.322	0.506	1.151	0.138	0.000	2.486
NNW	0.000	0.000	0.000	0.322	0.552	1.243	0.506	0.000	0.000	2.624
SUBTOTAL	0.000	0.046	8.978	8.840	5.064	4.880	2.486	0.276	0.000	30.571

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2176
TOTAL HOURS OF STABILITY CLASS D	667
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	664
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2172
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 6.07

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.046	0.368	0.506	0.184	0.000	0.000	0.000	0.000	1.105
NNE	0.000	0.000	0.138	0.552	0.552	0.046	0.000	0.000	0.000	1.289
NE	0.000	0.138	0.184	0.230	0.184	0.046	0.000	0.000	0.000	0.783
ENE	0.000	0.092	0.645	0.368	0.046	0.000	0.000	0.000	0.000	1.151
E	0.000	0.138	1.888	1.519	0.000	0.000	0.000	0.000	0.000	3.545
ESE	0.000	0.092	1.151	1.565	0.737	0.046	0.000	0.000	0.000	3.591
SE	0.000	0.184	1.335	0.875	0.322	0.046	0.000	0.000	0.000	2.762
SSE	0.000	0.138	1.657	0.691	0.046	0.000	0.000	0.000	0.000	2.532
S	0.000	0.138	2.808	1.842	0.506	0.138	0.000	0.000	0.000	5.433
SSW	0.000	0.092	0.460	0.276	0.184	0.000	0.000	0.000	0.000	1.013
SW	0.000	0.000	0.230	0.092	0.092	0.000	0.000	0.000	0.000	0.414
WSW	0.000	0.000	0.414	0.092	0.046	0.000	0.000	0.000	0.000	0.552
W	0.000	0.046	0.322	0.276	0.460	0.184	0.000	0.000	0.000	1.289
WNW	0.000	0.046	0.092	0.092	0.000	0.046	0.046	0.000	0.000	0.322
NW	0.000	0.000	0.322	0.276	0.184	0.276	0.092	0.000	0.000	1.151
NNW	0.000	0.000	0.599	0.276	0.783	0.691	0.000	0.000	0.000	2.348
SUBTOTAL	0.000	1.151	12.615	9.530	4.328	1.519	0.138	0.000	0.000	29.282

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2176
TOTAL HOURS OF STABILITY CLASS E	636
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	636
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2172
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 4.02

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	CALM	WIND SPEED(MPH) 0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.552	0.875	0.000	0.000	0.000	0.000	0.000	1.427
NNE	0.000	0.092	0.368	0.460	0.092	0.000	0.000	0.000	0.000	1.013
NE	0.000	0.046	0.368	0.092	0.276	0.000	0.000	0.000	0.000	0.783
ENE	0.000	0.138	0.645	0.092	0.138	0.046	0.000	0.000	0.000	1.059
E	0.000	0.092	1.105	0.783	0.000	0.000	0.000	0.000	0.000	1.980
ESE	0.000	0.230	1.980	0.414	0.000	0.000	0.000	0.000	0.000	2.624
SE	0.000	0.829	2.118	0.046	0.000	0.000	0.000	0.000	0.000	2.993
SSE	0.000	0.599	1.197	0.092	0.000	0.000	0.000	0.000	0.000	1.888
S	0.000	0.322	1.151	0.276	0.092	0.046	0.000	0.000	0.000	1.888
SSW	0.000	0.046	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.138
SW	0.000	0.046	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.138
WSW	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.046	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.138
NW	0.000	0.046	0.414	0.276	0.000	0.000	0.000	0.000	0.000	0.737
NNW	0.000	0.046	0.829	0.645	0.184	0.000	0.000	0.000	0.000	1.703
SUBTOTAL	0.000	2.624	11.004	4.052	0.783	0.092	0.000	0.000	0.000	18.554

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2176
TOTAL HOURS OF STABILITY CLASS F	403
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	403
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2172
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 2.80

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.506	1.243	0.552	0.000	0.000	0.000	0.000	0.000	2.302
NNE	0.000	0.322	0.368	0.092	0.000	0.000	0.000	0.000	0.000	0.783
NE	0.000	0.092	0.645	0.046	0.000	0.000	0.000	0.000	0.000	0.783
ENE	0.000	0.138	0.967	0.276	0.046	0.000	0.000	0.000	0.000	1.427
E	0.000	0.184	0.783	0.230	0.000	0.000	0.000	0.000	0.000	1.197
ESE	0.000	0.092	0.138	0.046	0.000	0.000	0.000	0.000	0.000	0.276
SE	0.000	0.460	0.368	0.046	0.000	0.000	0.000	0.000	0.000	0.875
SSE	0.000	0.368	1.289	0.000	0.000	0.000	0.000	0.000	0.000	1.657
S	0.000	0.046	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.138
SSW	0.000	0.138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.138
SW	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.046
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.046
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.138	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.230
NNW	0.000	0.230	0.414	0.276	0.000	0.000	0.000	0.000	0.000	0.921
SUBTOTAL	0.000	2.716	6.492	1.565	0.046	0.000	0.000	0.000	0.000	10.820

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2176
TOTAL HOURS OF STABILITY CLASS G	235
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	235
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2172
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.50 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 2.29

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 14

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR SPLIT LEVEL RELEASES

(GROUND LEVEL PORTION)

FIRST QUARTER

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.003	0.019	0.000	0.000	0.000	0.022
NNE	0.000	0.000	0.000	0.000	0.010	0.041	0.000	0.000	0.000	0.050
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.036	0.058	0.000	0.000	0.000	0.000	0.094
SSE	0.000	0.000	0.015	0.106	0.000	0.000	0.000	0.000	0.000	0.121
S	0.000	0.000	0.011	0.059	0.062	0.000	0.000	0.000	0.000	0.133
SSW	0.000	0.000	0.000	0.015	0.035	0.000	0.000	0.000	0.000	0.051
SW	0.000	0.000	0.000	0.004	0.009	0.009	0.000	0.000	0.000	0.022
WSW	0.000	0.000	0.000	0.000	0.015	0.046	0.000	0.000	0.000	0.061
W	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.007
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.043	0.088	0.000	0.000	0.130
SUBTOTAL	0.000	0.000	0.027	0.221	0.198	0.157	0.088	0.000	0.000	0.690

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF GROUND LEVEL RELEASE 285.740
TOTAL HOURS OF STABILITY CLASS A 14.430
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS A 14.430

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.008	0.031	0.000	0.000	0.000	0.038
NNE	0.000	0.000	0.000	0.002	0.005	0.014	0.000	0.000	0.000	0.021
NE	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.007
ENE	0.000	0.000	0.000	0.000	0.004	0.005	0.000	0.000	0.000	0.009
E	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.003
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.009
SSE	0.000	0.000	0.010	0.025	0.000	0.000	0.000	0.000	0.000	0.034
S	0.000	0.000	0.000	0.028	0.020	0.000	0.000	0.000	0.000	0.048
SSW	0.000	0.000	0.000	0.009	0.010	0.000	0.000	0.000	0.000	0.019
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.007	0.009	0.000	0.000	0.000	0.016
W	0.000	0.000	0.000	0.000	0.005	0.018	0.065	0.000	0.000	0.088
WNW	0.000	0.000	0.000	0.000	0.000	0.007	0.056	0.000	0.000	0.063
NW	0.000	0.000	0.000	0.000	0.000	0.029	0.010	0.000	0.000	0.039
NNW	0.000	0.000	0.000	0.000	0.000	0.008	0.088	0.000	0.000	0.095
SUBTOTAL	0.000	0.000	0.010	0.064	0.070	0.128	0.218	0.000	0.000	0.490

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF GROUND LEVEL RELEASE 285.740
TOTAL HOURS OF STABILITY CLASS B 10.240
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS B 10.240

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.022	0.036	0.000	0.000	0.000	0.058
NNE	0.000	0.000	0.000	0.000	0.014	0.008	0.000	0.000	0.000	0.022
NE	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.005
ENE	0.000	0.000	0.000	0.000	0.007	0.007	0.000	0.000	0.000	0.014
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.002	0.014	0.016	0.000	0.000	0.000	0.000	0.033
SSE	0.000	0.000	0.008	0.019	0.000	0.000	0.000	0.000	0.000	0.027
S	0.000	0.000	0.009	0.019	0.000	0.000	0.000	0.000	0.000	0.027
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.007	0.004	0.045	0.000	0.000	0.000	0.056
W	0.000	0.000	0.000	0.000	0.000	0.022	0.000	0.000	0.000	0.022
WNW	0.000	0.000	0.000	0.000	0.000	0.051	0.022	0.000	0.000	0.073
NW	0.000	0.000	0.000	0.000	0.007	0.041	0.010	0.070	0.000	0.129
NNW	0.000	0.000	0.000	0.000	0.009	0.039	0.038	0.000	0.000	0.086
SUBTOTAL	0.000	0.000	0.019	0.059	0.079	0.255	0.070	0.070	0.000	0.553

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF GROUND LEVEL RELEASE 285.740
TOTAL HOURS OF STABILITY CLASS C 14.110
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS C 11.550

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.023	0.072	0.178	0.000	0.000	0.000	0.274
NNE	0.000	0.000	0.000	0.016	0.115	0.156	0.000	0.000	0.000	0.288
NE	0.000	0.000	0.000	0.004	0.023	0.019	0.000	0.000	0.000	0.047
ENE	0.000	0.000	0.000	0.010	0.033	0.000	0.000	0.000	0.000	0.043
E	0.000	0.000	0.000	0.009	0.003	0.000	0.000	0.000	0.000	0.012
ESE	0.000	0.000	0.001	0.019	0.071	0.072	0.000	0.000	0.000	0.163
SE	0.000	0.000	0.019	0.091	0.060	0.018	0.000	0.000	0.000	0.188
SSE	0.000	0.000	0.035	0.038	0.000	0.000	0.000	0.000	0.000	0.073
S	0.000	0.000	0.050	0.151	0.039	0.023	0.000	0.000	0.000	0.262
SSW	0.000	0.000	0.000	0.027	0.052	0.000	0.000	0.000	0.000	0.080
SW	0.000	0.000	0.001	0.000	0.009	0.000	0.000	0.000	0.000	0.010
WSW	0.000	0.000	0.003	0.020	0.016	0.036	0.000	0.000	0.000	0.076
W	0.000	0.000	0.000	0.039	0.098	0.075	0.018	0.000	0.000	0.230
WNW	0.000	0.000	0.000	0.000	0.047	0.215	0.119	0.141	0.000	0.521
NW	0.000	0.000	0.000	0.003	0.080	0.516	0.742	0.368	0.000	1.709
NNW	0.000	0.000	0.000	0.011	0.046	0.330	0.175	0.000	0.000	0.563
SUBTOTAL	0.000	0.000	0.110	0.463	0.765	1.638	1.053	0.509	0.000	4.537

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF GROUND LEVEL RELEASE 285.740
TOTAL HOURS OF STABILITY CLASS D 1114.380
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS D 94.820

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.015	0.027	0.047	0.000	0.000	0.000	0.000	0.089
NNE	0.000	0.000	0.005	0.025	0.062	0.050	0.000	0.000	0.000	0.143
NE	0.000	0.000	0.004	0.032	0.029	0.017	0.000	0.000	0.000	0.082
ENE	0.000	0.000	0.010	0.040	0.028	0.017	0.000	0.000	0.000	0.095
E	0.000	0.000	0.028	0.026	0.008	0.000	0.000	0.000	0.000	0.063
ESE	0.000	0.007	0.046	0.185	0.104	0.000	0.000	0.000	0.000	0.343
SE	0.000	0.003	0.079	0.173	0.119	0.044	0.000	0.000	0.000	0.418
SSE	0.000	0.000	0.119	0.167	0.000	0.000	0.000	0.000	0.000	0.285
S	0.000	0.000	0.064	0.334	0.235	0.353	0.000	0.000	0.000	0.985
SSW	0.000	0.000	0.028	0.079	0.073	0.114	0.000	0.000	0.000	0.295
SW	0.000	0.000	0.032	0.027	0.000	0.000	0.000	0.000	0.000	0.058
WSW	0.000	0.000	0.027	0.034	0.030	0.009	0.000	0.000	0.000	0.100
W	0.000	0.000	0.015	0.056	0.035	0.026	0.000	0.000	0.000	0.133
WNW	0.000	0.000	0.005	0.013	0.022	0.037	0.010	0.000	0.000	0.087
NW	0.000	0.000	0.001	0.032	0.043	0.081	0.036	0.000	0.000	0.192
NNW	0.000	0.000	0.003	0.032	0.144	0.146	0.028	0.000	0.000	0.354
SUBTOTAL	0.000	0.010	0.481	1.282	0.978	0.893	0.074	0.000	0.000	3.720

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF GROUND LEVEL RELEASE 285.740
TOTAL HOURS OF STABILITY CLASS E 688.160
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS E 77.740

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.045	0.061	0.025	0.000	0.000	0.000	0.000	0.131
NNE	0.000	0.002	0.015	0.036	0.046	0.000	0.000	0.000	0.000	0.099
NE	0.000	0.000	0.014	0.012	0.030	0.009	0.000	0.000	0.000	0.065
ENE	0.000	0.000	0.019	0.013	0.008	0.000	0.000	0.000	0.000	0.040
E	0.000	0.000	0.010	0.042	0.000	0.000	0.000	0.000	0.000	0.052
ESE	0.000	0.008	0.077	0.028	0.000	0.000	0.000	0.000	0.000	0.113
SE	0.000	0.009	0.089	0.055	0.000	0.000	0.000	0.000	0.000	0.153
SSE	0.000	0.021	0.196	0.183	0.134	0.000	0.000	0.000	0.000	0.534
S	0.000	0.003	0.094	0.254	0.156	0.252	0.000	0.000	0.000	0.759
SSW	0.000	0.004	0.030	0.032	0.019	0.000	0.000	0.000	0.000	0.084
SW	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
WSW	0.000	0.000	0.004	0.008	0.000	0.000	0.000	0.000	0.000	0.012
W	0.000	0.000	0.009	0.012	0.008	0.000	0.000	0.000	0.000	0.029
WNW	0.000	0.000	0.008	0.005	0.022	0.000	0.000	0.000	0.000	0.035
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.011	0.056	0.079	0.000	0.000	0.000	0.000	0.146
SUBTOTAL	0.000	0.048	0.621	0.797	0.526	0.261	0.000	0.000	0.000	2.252

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF GROUND LEVEL RELEASE 285.740
TOTAL HOURS OF STABILITY CLASS F 184.380
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS F 47.070

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.001	0.030	0.015	0.009	0.000	0.000	0.000	0.000	0.055
NNE	0.000	0.000	0.011	0.018	0.035	0.000	0.000	0.000	0.000	0.063
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.004
E	0.000	0.004	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.013
ESE	0.000	0.027	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.050
SE	0.000	0.053	0.122	0.018	0.000	0.000	0.000	0.000	0.000	0.193
SSE	0.000	0.033	0.558	0.155	0.048	0.000	0.000	0.000	0.000	0.794
S	0.000	0.000	0.111	0.078	0.016	0.000	0.000	0.000	0.000	0.205
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.005
WNW	0.000	0.001	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.016
NW	0.000	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.014
NNW	0.000	0.001	0.010	0.008	0.000	0.000	0.000	0.000	0.000	0.019
SUBTOTAL	0.000	0.121	0.911	0.291	0.108	0.000	0.000	0.000	0.000	1.430

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF GROUND LEVEL RELEASE 285.740
TOTAL HOURS OF STABILITY CLASS G 64.300
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS G 29.890

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 15

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR SPLIT LEVEL RELEASES

(GROUND LEVEL PORTION)

SECOND QUARTER

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.010	0.148	0.000	0.000	0.000	0.158
NNE	0.000	0.000	0.000	0.000	0.002	0.100	0.010	0.000	0.000	0.112
NE	0.000	0.000	0.000	0.000	0.000	0.006	0.009	0.000	0.000	0.015
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.041	0.111	0.009	0.000	0.000	0.000	0.161
SE	0.000	0.000	0.025	0.102	0.059	0.000	0.000	0.000	0.000	0.187
SSE	0.000	0.000	0.040	0.069	0.000	0.000	0.000	0.000	0.000	0.109
S	0.000	0.000	0.062	0.116	0.000	0.000	0.000	0.000	0.000	0.178
SSW	0.000	0.000	0.007	0.071	0.041	0.000	0.000	0.000	0.000	0.118
SW	0.000	0.000	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.018
WSW	0.000	0.000	0.000	0.003	0.007	0.008	0.000	0.000	0.000	0.018
W	0.000	0.000	0.000	0.000	0.037	0.039	0.000	0.000	0.000	0.076
WNW	0.000	0.000	0.000	0.000	0.017	0.164	0.211	0.000	0.000	0.392
NW	0.000	0.000	0.000	0.000	0.012	0.112	0.207	0.034	0.000	0.364
NNW	0.000	0.000	0.000	0.000	0.002	0.137	0.038	0.000	0.000	0.178
SUBTOTAL	0.000	0.000	0.134	0.419	0.300	0.723	0.475	0.034	0.000	2.084

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF GROUND LEVEL RELEASE 206.750
TOTAL HOURS OF STABILITY CLASS A 44.580
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS A 44.580

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.005	0.021	0.000	0.000	0.000	0.026
NNE	0.000	0.000	0.000	0.000	0.005	0.049	0.000	0.000	0.000	0.054
NE	0.000	0.000	0.000	0.000	0.007	0.022	0.000	0.000	0.000	0.029
ENE	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.003
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.009	0.008	0.017	0.000	0.000	0.000	0.000	0.034
SE	0.000	0.000	0.000	0.031	0.000	0.000	0.000	0.000	0.000	0.031
SSE	0.000	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.015
S	0.000	0.000	0.016	0.017	0.000	0.000	0.000	0.000	0.000	0.033
SSW	0.000	0.000	0.006	0.048	0.000	0.000	0.000	0.000	0.000	0.053
SW	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.005
WSW	0.000	0.000	0.000	0.009	0.006	0.000	0.000	0.000	0.000	0.015
W	0.000	0.000	0.000	0.002	0.011	0.000	0.000	0.000	0.000	0.013
WNW	0.000	0.000	0.000	0.000	0.007	0.056	0.026	0.000	0.000	0.089
NW	0.000	0.000	0.000	0.000	0.000	0.058	0.025	0.040	0.000	0.124
NNW	0.000	0.000	0.000	0.000	0.000	0.032	0.000	0.000	0.000	0.032
SUBTOTAL	0.000	0.000	0.050	0.115	0.061	0.237	0.051	0.040	0.000	0.555

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF GROUND LEVEL RELEASE 206.750
TOTAL HOURS OF STABILITY CLASS B 16.850
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS B 11.880

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.002
NNE	0.000	0.000	0.000	0.000	0.011	0.006	0.000	0.000	0.000	0.017
NE	0.000	0.000	0.000	0.000	0.005	0.030	0.000	0.000	0.000	0.035
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.032	0.008	0.000	0.000	0.000	0.000	0.041
SE	0.000	0.000	0.002	0.005	0.000	0.000	0.000	0.000	0.000	0.007
SSE	0.000	0.000	0.003	0.002	0.000	0.000	0.000	0.000	0.000	0.005
S	0.000	0.000	0.002	0.018	0.000	0.000	0.000	0.000	0.000	0.020
SSW	0.000	0.000	0.008	0.021	0.000	0.000	0.000	0.000	0.000	0.029
SW	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.008
WSW	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.009
W	0.000	0.000	0.000	0.000	0.011	0.008	0.000	0.000	0.000	0.020
WNW	0.000	0.000	0.000	0.000	0.017	0.052	0.009	0.000	0.000	0.079
NW	0.000	0.000	0.000	0.000	0.005	0.025	0.034	0.031	0.000	0.095
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.015	0.097	0.057	0.122	0.043	0.031	0.000	0.366

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF GROUND LEVEL RELEASE 206.750
TOTAL HOURS OF STABILITY CLASS C 49.230
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS C 7.830

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.061	0.027	0.000	0.000	0.000	0.088
NNE	0.000	0.000	0.000	0.013	0.050	0.090	0.000	0.000	0.000	0.154
NE	0.000	0.000	0.000	0.000	0.031	0.033	0.009	0.000	0.000	0.073
ENE	0.000	0.000	0.000	0.000	0.014	0.014	0.000	0.000	0.000	0.028
E	0.000	0.000	0.003	0.004	0.006	0.000	0.000	0.000	0.000	0.013
ESE	0.000	0.000	0.029	0.136	0.191	0.036	0.000	0.000	0.000	0.392
SE	0.000	0.000	0.048	0.103	0.000	0.000	0.000	0.000	0.000	0.151
SSE	0.000	0.000	0.053	0.098	0.000	0.000	0.000	0.000	0.000	0.151
S	0.000	0.000	0.102	0.141	0.098	0.000	0.000	0.000	0.000	0.341
SSW	0.000	0.000	0.058	0.080	0.037	0.000	0.000	0.000	0.000	0.175
SW	0.000	0.000	0.014	0.021	0.000	0.000	0.000	0.000	0.000	0.036
WSW	0.000	0.000	0.004	0.040	0.007	0.000	0.000	0.000	0.000	0.051
W	0.000	0.000	0.000	0.045	0.070	0.071	0.026	0.000	0.000	0.212
WNW	0.000	0.000	0.000	0.003	0.018	0.087	0.057	0.000	0.000	0.165
NW	0.000	0.000	0.003	0.003	0.010	0.109	0.380	0.143	0.000	0.647
NNW	0.000	0.000	0.001	0.011	0.014	0.061	0.053	0.000	0.000	0.140
SUBTOTAL	0.000	0.000	0.315	0.698	0.608	0.530	0.525	0.143	0.000	2.819

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF GROUND LEVEL RELEASE 206.750
TOTAL HOURS OF STABILITY CLASS D 1047.810
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS D 60.290

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.036	0.099	0.047	0.034	0.000	0.000	0.000	0.216
NNE	0.000	0.000	0.005	0.055	0.083	0.017	0.000	0.000	0.000	0.160
NE	0.000	0.000	0.005	0.017	0.034	0.023	0.000	0.000	0.000	0.079
ENE	0.000	0.000	0.029	0.007	0.007	0.023	0.000	0.000	0.000	0.065
E	0.000	0.000	0.094	0.071	0.007	0.000	0.000	0.000	0.000	0.172
ESE	0.000	0.007	0.117	0.216	0.027	0.000	0.000	0.000	0.000	0.366
SE	0.000	0.002	0.055	0.033	0.000	0.000	0.000	0.000	0.000	0.090
SSE	0.000	0.004	0.070	0.038	0.000	0.000	0.000	0.000	0.000	0.112
S	0.000	0.000	0.174	0.045	0.000	0.000	0.000	0.000	0.000	0.219
SSW	0.000	0.002	0.054	0.068	0.009	0.029	0.000	0.000	0.000	0.161
SW	0.000	0.002	0.003	0.000	0.000	0.016	0.000	0.000	0.000	0.021
WSW	0.000	0.000	0.009	0.014	0.008	0.000	0.000	0.000	0.000	0.031
W	0.000	0.000	0.002	0.043	0.034	0.040	0.022	0.000	0.000	0.141
WNW	0.000	0.000	0.000	0.004	0.021	0.017	0.000	0.000	0.000	0.042
NW	0.000	0.000	0.000	0.007	0.020	0.059	0.019	0.000	0.000	0.105
NNW	0.000	0.000	0.008	0.034	0.046	0.067	0.010	0.000	0.000	0.165
SUBTOTAL	0.000	0.017	0.661	0.748	0.343	0.325	0.050	0.000	0.000	2.144

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF GROUND LEVEL RELEASE 206.750
TOTAL HOURS OF STABILITY CLASS E 677.060
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS E 45.870

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.065	0.150	0.015	0.000	0.000	0.000	0.000	0.230
NNE	0.000	0.000	0.014	0.065	0.053	0.000	0.000	0.000	0.000	0.133
NE	0.000	0.008	0.003	0.034	0.007	0.000	0.000	0.000	0.000	0.051
ENE	0.000	0.000	0.010	0.012	0.000	0.000	0.000	0.000	0.000	0.022
E	0.000	0.000	0.083	0.095	0.000	0.000	0.000	0.000	0.000	0.179
ESE	0.000	0.000	0.105	0.014	0.000	0.000	0.000	0.000	0.000	0.120
SE	0.000	0.031	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.049
SSE	0.000	0.010	0.027	0.000	0.000	0.000	0.000	0.000	0.000	0.036
S	0.000	0.007	0.084	0.010	0.000	0.000	0.000	0.000	0.000	0.101
SSW	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005
SW	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.003
WSW	0.000	0.002	0.007	0.000	0.004	0.000	0.000	0.000	0.000	0.014
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.004	0.006	0.007	0.000	0.000	0.000	0.000	0.017
NW	0.000	0.003	0.009	0.021	0.008	0.000	0.000	0.000	0.000	0.041
NNW	0.000	0.003	0.065	0.069	0.004	0.000	0.000	0.000	0.000	0.140
SUBTOTAL	0.000	0.071	0.498	0.475	0.098	0.000	0.000	0.000	0.000	1.142

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF GROUND LEVEL RELEASE 206.750
TOTAL HOURS OF STABILITY CLASS F 244.660
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS F 24.420

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.003	0.100	0.112	0.000	0.000	0.000	0.000	0.000	0.216
NNE	0.000	0.000	0.017	0.013	0.000	0.000	0.000	0.000	0.000	0.030
NE	0.000	0.004	0.010	0.008	0.000	0.000	0.000	0.000	0.000	0.022
ENE	0.000	0.000	0.020	0.022	0.000	0.000	0.000	0.000	0.000	0.042
E	0.000	0.017	0.033	0.018	0.000	0.000	0.000	0.000	0.000	0.068
ESE	0.000	0.013	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.022
SE	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014
SSE	0.000	0.038	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.042
S	0.000	0.018	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.019
SSW	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
WNW	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006
NW	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.003
NNW	0.000	0.000	0.060	0.006	0.000	0.000	0.000	0.000	0.000	0.066
SUBTOTAL	0.000	0.119	0.257	0.179	0.000	0.000	0.000	0.000	0.000	0.555

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF GROUND LEVEL RELEASE 206.750
TOTAL HOURS OF STABILITY CLASS G 58.810
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS G 11.880

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 16

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR SPLIT LEVEL RELEASES

(GROUND LEVEL PORTION)

THIRD QUARTER

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.005	0.015	0.000	0.000	0.000	0.020
NNE	0.000	0.000	0.000	0.000	0.003	0.013	0.000	0.000	0.000	0.016
NE	0.000	0.000	0.000	0.000	0.009	0.011	0.000	0.000	0.000	0.020
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.080	0.091	0.009	0.000	0.000	0.000	0.179
SE	0.000	0.000	0.044	0.221	0.020	0.000	0.000	0.000	0.000	0.284
SSE	0.000	0.000	0.037	0.087	0.000	0.000	0.000	0.000	0.000	0.124
S	0.000	0.000	0.079	0.052	0.009	0.000	0.000	0.000	0.000	0.140
SSW	0.000	0.000	0.000	0.030	0.017	0.000	0.000	0.000	0.000	0.047
SW	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.005
WSW	0.000	0.000	0.000	0.004	0.004	0.000	0.000	0.000	0.000	0.008
W	0.000	0.000	0.000	0.000	0.128	0.087	0.000	0.000	0.000	0.214
WNW	0.000	0.000	0.000	0.000	0.023	0.011	0.008	0.000	0.000	0.042
NW	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.006
NNW	0.000	0.000	0.000	0.000	0.000	0.014	0.000	0.045	0.000	0.059
SUBTOTAL	0.000	0.000	0.164	0.474	0.308	0.165	0.008	0.045	0.000	1.165

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF GROUND LEVEL RELEASE 144.890
TOTAL HOURS OF STABILITY CLASS A 25.650
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS A 25.650

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.012	0.051	0.000	0.000	0.000	0.063
NNE	0.000	0.000	0.000	0.000	0.005	0.040	0.000	0.000	0.000	0.045
NE	0.000	0.000	0.000	0.000	0.003	0.014	0.009	0.000	0.000	0.025
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.004	0.006	0.000	0.000	0.000	0.000	0.010
ESE	0.000	0.000	0.000	0.040	0.022	0.009	0.000	0.000	0.000	0.071
SE	0.000	0.000	0.006	0.006	0.000	0.000	0.000	0.000	0.000	0.013
SSE	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.020
S	0.000	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.017
SSW	0.000	0.000	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.005
SW	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.005
WSW	0.000	0.000	0.000	0.005	0.001	0.000	0.000	0.000	0.000	0.006
W	0.000	0.000	0.000	0.010	0.035	0.022	0.000	0.000	0.000	0.066
WNW	0.000	0.000	0.000	0.000	0.005	0.024	0.000	0.000	0.000	0.030
NW	0.000	0.000	0.000	0.000	0.004	0.005	0.000	0.000	0.000	0.009
NNW	0.000	0.000	0.000	0.000	0.004	0.007	0.000	0.000	0.000	0.011
SUBTOTAL	0.000	0.000	0.036	0.082	0.097	0.174	0.009	0.000	0.000	0.397

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF GROUND LEVEL RELEASE 144.890
TOTAL HOURS OF STABILITY CLASS B 15.000
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS B 8.740

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.013	0.007	0.000	0.000	0.000	0.020
NNE	0.000	0.000	0.000	0.000	0.007	0.027	0.000	0.000	0.000	0.035
NE	0.000	0.000	0.000	0.000	0.005	0.008	0.000	0.000	0.000	0.014
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.003	0.004	0.000	0.000	0.000	0.000	0.007
ESE	0.000	0.000	0.000	0.040	0.006	0.000	0.000	0.000	0.000	0.045
SE	0.000	0.000	0.006	0.002	0.000	0.000	0.000	0.000	0.000	0.009
SSE	0.000	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.018
S	0.000	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.013
SSW	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.007
SW	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.003
WSW	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.007
W	0.000	0.000	0.000	0.001	0.018	0.015	0.000	0.000	0.000	0.034
WNW	0.000	0.000	0.000	0.000	0.010	0.033	0.000	0.000	0.000	0.044
NW	0.000	0.000	0.000	0.000	0.010	0.014	0.000	0.000	0.000	0.024
NNW	0.000	0.000	0.000	0.000	0.005	0.007	0.000	0.000	0.000	0.011
SUBTOTAL	0.000	0.000	0.037	0.064	0.078	0.111	0.000	0.000	0.000	0.289

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF GROUND LEVEL RELEASE 144.890
TOTAL HOURS OF STABILITY CLASS C 34.590
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS C 6.370

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.021	0.062	0.028	0.000	0.000	0.000	0.111
NNE	0.000	0.000	0.000	0.010	0.075	0.040	0.000	0.000	0.000	0.125
NE	0.000	0.000	0.000	0.009	0.041	0.005	0.000	0.000	0.000	0.055
ENE	0.000	0.000	0.000	0.011	0.004	0.000	0.000	0.000	0.000	0.015
E	0.000	0.000	0.009	0.036	0.015	0.009	0.000	0.000	0.000	0.068
ESE	0.000	0.000	0.010	0.122	0.068	0.009	0.000	0.000	0.000	0.209
SE	0.000	0.000	0.087	0.026	0.000	0.000	0.000	0.000	0.000	0.113
SSE	0.000	0.000	0.041	0.000	0.000	0.000	0.000	0.000	0.000	0.041
S	0.000	0.000	0.096	0.015	0.000	0.000	0.000	0.000	0.000	0.111
SSW	0.000	0.000	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.040
SW	0.000	0.000	0.017	0.007	0.000	0.000	0.000	0.000	0.000	0.024
WSW	0.000	0.000	0.006	0.058	0.034	0.007	0.000	0.000	0.000	0.105
W	0.000	0.000	0.006	0.113	0.170	0.003	0.000	0.000	0.000	0.292
WNW	0.000	0.000	0.000	0.006	0.043	0.029	0.000	0.000	0.000	0.077
NW	0.000	0.000	0.000	0.004	0.012	0.061	0.000	0.000	0.000	0.077
NNW	0.000	0.000	0.000	0.018	0.039	0.016	0.028	0.000	0.000	0.100
SUBTOTAL	0.000	0.000	0.312	0.454	0.562	0.207	0.028	0.000	0.000	1.562

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF GROUND LEVEL RELEASE 144.890
TOTAL HOURS OF STABILITY CLASS D 1169.910
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS D 34.390

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.027	0.032	0.030	0.016	0.000	0.000	0.000	0.105
NNE	0.000	0.000	0.019	0.062	0.072	0.000	0.000	0.000	0.000	0.153
NE	0.000	0.000	0.004	0.013	0.026	0.017	0.000	0.000	0.000	0.060
ENE	0.000	0.000	0.034	0.080	0.019	0.000	0.000	0.000	0.000	0.133
E	0.000	0.005	0.167	0.152	0.000	0.000	0.000	0.000	0.000	0.324
ESE	0.000	0.003	0.099	0.098	0.017	0.000	0.000	0.000	0.000	0.217
SE	0.000	0.007	0.119	0.008	0.000	0.000	0.000	0.000	0.000	0.134
SSE	0.000	0.005	0.067	0.000	0.000	0.000	0.000	0.000	0.000	0.073
S	0.000	0.005	0.135	0.016	0.000	0.000	0.000	0.000	0.000	0.156
SSW	0.000	0.003	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.042
SW	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.002
WSW	0.000	0.004	0.026	0.016	0.000	0.000	0.000	0.000	0.000	0.046
W	0.000	0.000	0.025	0.084	0.070	0.000	0.000	0.000	0.000	0.179
WNW	0.000	0.000	0.000	0.009	0.005	0.000	0.000	0.000	0.000	0.014
NW	0.000	0.000	0.000	0.005	0.011	0.000	0.000	0.000	0.000	0.017
NNW	0.000	0.000	0.025	0.033	0.041	0.000	0.000	0.000	0.000	0.100
SUBTOTAL	0.000	0.032	0.788	0.607	0.293	0.033	0.000	0.000	0.000	1.754

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF GROUND LEVEL RELEASE 144.890
TOTAL HOURS OF STABILITY CLASS E 702.110
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS E 38.600

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.042	0.112	0.000	0.000	0.000	0.000	0.000	0.154
NNE	0.000	0.000	0.025	0.160	0.070	0.026	0.000	0.000	0.000	0.280
NE	0.000	0.000	0.012	0.041	0.037	0.024	0.000	0.000	0.000	0.114
ENE	0.000	0.007	0.049	0.082	0.000	0.000	0.000	0.000	0.000	0.139
E	0.000	0.002	0.109	0.145	0.000	0.000	0.000	0.000	0.000	0.256
ESE	0.000	0.000	0.051	0.014	0.000	0.000	0.000	0.000	0.000	0.065
SE	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.007
SSE	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001
SW	0.000	0.005	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.013
WSW	0.000	0.006	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.011
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005
NNW	0.000	0.000	0.011	0.000	0.000	0.007	0.000	0.000	0.000	0.018
SUBTOTAL	0.000	0.029	0.319	0.553	0.107	0.056	0.000	0.000	0.000	1.065

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF GROUND LEVEL RELEASE 144.890
TOTAL HOURS OF STABILITY CLASS F 209.180
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS F 23.430

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.001	0.087	0.089	0.000	0.000	0.000	0.000	0.000	0.177
NNE	0.000	0.000	0.041	0.055	0.008	0.000	0.000	0.000	0.000	0.104
NE	0.000	0.000	0.018	0.007	0.000	0.000	0.000	0.000	0.000	0.025
ENE	0.000	0.000	0.021	0.000	0.000	0.000	0.000	0.000	0.000	0.021
E	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.009
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.003
NNW	0.000	0.000	0.007	0.004	0.000	0.000	0.000	0.000	0.000	0.011
SUBTOTAL	0.000	0.001	0.178	0.163	0.008	0.000	0.000	0.000	0.000	0.350

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF GROUND LEVEL RELEASE 144.890
TOTAL HOURS OF STABILITY CLASS G 44.560
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS G 7.710

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 17

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR SPLIT LEVEL RELEASES

(GROUND LEVEL PORTION)

FOURTH QUARTER

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.022	0.000	0.000	0.000	0.022
NNE	0.000	0.000	0.000	0.000	0.005	0.024	0.000	0.000	0.000	0.028
NE	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.008
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.020
SE	0.000	0.000	0.033	0.168	0.072	0.000	0.000	0.000	0.000	0.274
SSE	0.000	0.000	0.019	0.088	0.000	0.000	0.000	0.000	0.000	0.107
S	0.000	0.000	0.028	0.040	0.019	0.000	0.000	0.000	0.000	0.087
SSW	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.006
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.000	0.000	0.019
NNW	0.000	0.000	0.000	0.000	0.000	0.020	0.045	0.000	0.000	0.066
SUBTOTAL	0.000	0.000	0.080	0.322	0.096	0.074	0.064	0.000	0.000	0.636

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF GROUND LEVEL RELEASE 266.190
TOTAL HOURS OF STABILITY CLASS A 13.870
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS A 13.870

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.006	0.015	0.000	0.000	0.000	0.021
NNE	0.000	0.000	0.000	0.000	0.022	0.048	0.000	0.000	0.000	0.069
NE	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.004
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.002	0.008	0.000	0.000	0.000	0.000	0.011
SE	0.000	0.000	0.000	0.051	0.015	0.000	0.000	0.000	0.000	0.066
SSE	0.000	0.000	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.014
S	0.000	0.000	0.000	0.008	0.010	0.000	0.000	0.000	0.000	0.017
SSW	0.000	0.000	0.004	0.011	0.000	0.000	0.000	0.000	0.000	0.015
SW	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.005
WSW	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.006
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.006
NW	0.000	0.000	0.000	0.000	0.000	0.017	0.046	0.000	0.000	0.062
NNW	0.000	0.000	0.000	0.000	0.002	0.057	0.000	0.000	0.000	0.059
SUBTOTAL	0.000	0.000	0.004	0.091	0.073	0.142	0.046	0.000	0.000	0.356

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF GROUND LEVEL RELEASE 266.190
TOTAL HOURS OF STABILITY CLASS B 13.070
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS B 7.750

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.002	0.042	0.000	0.000	0.000	0.044
NNE	0.000	0.000	0.000	0.000	0.019	0.029	0.000	0.000	0.000	0.048
NE	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.007
ENE	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.004
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.009	0.018	0.000	0.000	0.000	0.000	0.027
SE	0.000	0.000	0.007	0.028	0.000	0.000	0.000	0.000	0.000	0.035
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.028	0.000	0.000	0.000	0.000	0.000	0.028
SSW	0.000	0.000	0.009	0.006	0.000	0.000	0.000	0.000	0.000	0.015
SW	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.006
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.005
WNW	0.000	0.000	0.000	0.000	0.005	0.024	0.017	0.000	0.000	0.047
NW	0.000	0.000	0.000	0.000	0.002	0.024	0.017	0.000	0.000	0.044
NNW	0.000	0.000	0.000	0.000	0.005	0.014	0.037	0.000	0.000	0.056
SUBTOTAL	0.000	0.000	0.016	0.076	0.067	0.133	0.072	0.000	0.000	0.363

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF GROUND LEVEL RELEASE 266.190
TOTAL HOURS OF STABILITY CLASS C 23.510
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS C 7.920

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.016	0.060	0.193	0.025	0.000	0.000	0.294
NNE	0.000	0.000	0.000	0.011	0.049	0.031	0.000	0.000	0.000	0.091
NE	0.000	0.000	0.000	0.006	0.022	0.007	0.009	0.000	0.000	0.044
ENE	0.000	0.000	0.000	0.011	0.003	0.000	0.000	0.000	0.000	0.014
E	0.000	0.000	0.000	0.029	0.027	0.000	0.000	0.000	0.000	0.056
ESE	0.000	0.000	0.008	0.111	0.178	0.009	0.000	0.000	0.000	0.306
SE	0.000	0.000	0.073	0.258	0.014	0.010	0.000	0.000	0.000	0.355
SSE	0.000	0.000	0.151	0.037	0.000	0.000	0.000	0.000	0.000	0.188
S	0.000	0.000	0.114	0.224	0.011	0.000	0.000	0.000	0.000	0.350
SSW	0.000	0.000	0.018	0.100	0.008	0.000	0.000	0.000	0.000	0.127
SW	0.000	0.000	0.011	0.024	0.000	0.000	0.000	0.000	0.000	0.035
WSW	0.000	0.000	0.000	0.045	0.054	0.024	0.000	0.000	0.000	0.123
W	0.000	0.000	0.000	0.064	0.077	0.160	0.108	0.000	0.000	0.408
WNW	0.000	0.000	0.000	0.006	0.033	0.123	0.160	0.128	0.000	0.450
NW	0.000	0.000	0.000	0.002	0.023	0.085	0.414	0.115	0.000	0.639
NNW	0.000	0.000	0.000	0.007	0.044	0.219	0.176	0.000	0.000	0.446
SUBTOTAL	0.000	0.000	0.375	0.952	0.603	0.861	0.892	0.243	0.000	3.925

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF GROUND LEVEL RELEASE 266.190
TOTAL HOURS OF STABILITY CLASS D 1046.920
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS D 85.560

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.016	0.065	0.031	0.000	0.000	0.000	0.000	0.111
NNE	0.000	0.000	0.002	0.065	0.088	0.007	0.000	0.000	0.000	0.161
NE	0.000	0.001	0.008	0.018	0.026	0.007	0.000	0.000	0.000	0.059
ENE	0.000	0.000	0.036	0.032	0.007	0.000	0.000	0.000	0.000	0.075
E	0.000	0.004	0.109	0.176	0.000	0.000	0.000	0.000	0.000	0.289
ESE	0.000	0.000	0.072	0.270	0.149	0.009	0.000	0.000	0.000	0.500
SE	0.000	0.002	0.136	0.270	0.104	0.029	0.000	0.000	0.000	0.541
SSE	0.000	0.004	0.248	0.381	0.046	0.000	0.000	0.000	0.000	0.678
S	0.000	0.003	0.417	0.459	0.153	0.062	0.000	0.000	0.000	1.094
SSW	0.000	0.000	0.042	0.050	0.035	0.000	0.000	0.000	0.000	0.128
SW	0.000	0.000	0.009	0.014	0.017	0.000	0.000	0.000	0.000	0.040
WSW	0.000	0.000	0.003	0.009	0.009	0.000	0.000	0.000	0.000	0.020
W	0.000	0.000	0.011	0.026	0.055	0.032	0.000	0.000	0.000	0.123
WNW	0.000	0.000	0.000	0.005	0.000	0.008	0.020	0.000	0.000	0.032
NW	0.000	0.000	0.004	0.018	0.024	0.047	0.019	0.000	0.000	0.113
NNW	0.000	0.000	0.018	0.027	0.120	0.127	0.000	0.000	0.000	0.291
SUBTOTAL	0.000	0.014	1.131	1.883	0.863	0.328	0.039	0.000	0.000	4.258

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF GROUND LEVEL RELEASE 266.190
TOTAL HOURS OF STABILITY CLASS E 817.000
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS E 92.830

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.045	0.106	0.000	0.000	0.000	0.000	0.000	0.151
NNE	0.000	0.000	0.015	0.060	0.015	0.000	0.000	0.000	0.000	0.090
NE	0.000	0.000	0.020	0.012	0.044	0.000	0.000	0.000	0.000	0.077
ENE	0.000	0.007	0.034	0.010	0.024	0.008	0.000	0.000	0.000	0.083
E	0.000	0.003	0.078	0.085	0.000	0.000	0.000	0.000	0.000	0.167
ESE	0.000	0.011	0.196	0.092	0.000	0.000	0.000	0.000	0.000	0.300
SE	0.000	0.041	0.172	0.006	0.000	0.000	0.000	0.000	0.000	0.219
SSE	0.000	0.036	0.161	0.055	0.000	0.000	0.000	0.000	0.000	0.253
S	0.000	0.018	0.156	0.056	0.030	0.028	0.000	0.000	0.000	0.289
SSW	0.000	0.003	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.016
SW	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.007
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.002
NW	0.000	0.000	0.010	0.028	0.000	0.000	0.000	0.000	0.000	0.038
NNW	0.000	0.000	0.044	0.075	0.031	0.000	0.000	0.000	0.000	0.150
SUBTOTAL	0.000	0.121	0.954	0.586	0.145	0.037	0.000	0.000	0.000	1.842

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF GROUND LEVEL RELEASE 266.190
TOTAL HOURS OF STABILITY CLASS F 211.210
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS F 40.150

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 1 OF 2 GROUND LEVEL RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.001	0.071	0.080	0.000	0.000	0.000	0.000	0.000	0.152
NNE	0.000	0.000	0.014	0.011	0.000	0.000	0.000	0.000	0.000	0.025
NE	0.000	0.000	0.028	0.008	0.000	0.000	0.000	0.000	0.000	0.036
ENE	0.000	0.013	0.024	0.025	0.009	0.000	0.000	0.000	0.000	0.070
E	0.000	0.007	0.048	0.020	0.000	0.000	0.000	0.000	0.000	0.075
ESE	0.000	0.007	0.012	0.008	0.000	0.000	0.000	0.000	0.000	0.027
SE	0.000	0.069	0.053	0.006	0.000	0.000	0.000	0.000	0.000	0.128
SSE	0.000	0.037	0.196	0.000	0.000	0.000	0.000	0.000	0.000	0.233
S	0.000	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.017
SSW	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.002
NNW	0.000	0.004	0.017	0.038	0.000	0.000	0.000	0.000	0.000	0.059
SUBTOTAL	0.000	0.145	0.481	0.196	0.009	0.000	0.000	0.000	0.000	0.831

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF GROUND LEVEL RELEASE 266.190
TOTAL HOURS OF STABILITY CLASS G 54.420
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS G 18.110

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.50 METER LEVEL
WIND SPEED MEASURED AT 10.50 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 18

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR SPLIT LEVEL RELEASES

(ELEVATED PORTION)

FIRST QUARTER

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF ELEVATED RELEASES 1804.260
TOTAL HOURS OF STABILITY CLASS A 14.430
TOTAL HOURS OF ELEVATED STABILITY CLASS A 0.000

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF ELEVATED RELEASES 1804.260
TOTAL HOURS OF STABILITY CLASS B 10.240
TOTAL HOURS OF ELEVATED STABILITY CLASS B 0.000

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.043	0.000	0.000	0.000	0.043
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.000	0.000	0.039
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.041	0.000	0.000	0.000	0.041
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.083	0.039	0.000	0.000	0.122

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF ELEVATED RELEASES 1804.260
TOTAL HOURS OF STABILITY CLASS C 14.110
TOTAL HOURS OF ELEVATED STABILITY CLASS C 2.560

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.096	0.287	0.274	1.910	1.172	0.000	0.000	3.738
NNE	0.000	0.000	0.287	0.478	0.414	1.685	0.511	0.000	0.000	3.375
NE	0.000	0.000	0.144	0.239	0.413	0.340	0.000	0.000	0.000	1.136
ENE	0.000	0.000	0.144	0.335	0.548	0.343	0.000	0.000	0.000	1.369
E	0.000	0.000	0.144	0.431	0.275	0.177	0.000	0.000	0.000	1.026
ESE	0.000	0.000	0.096	0.287	0.139	0.289	0.198	0.026	0.000	1.035
SE	0.000	0.000	0.431	0.574	0.464	0.493	1.355	0.300	0.000	3.616
SSE	0.000	0.048	0.431	0.431	0.366	1.180	0.935	0.180	0.021	3.591
S	0.000	0.000	0.048	0.335	0.232	1.001	1.550	0.486	0.016	3.667
SSW	0.000	0.048	0.239	0.287	0.460	0.925	1.285	0.206	0.024	3.473
SW	0.000	0.000	0.144	0.191	0.697	0.509	0.235	0.000	0.000	1.776
WSW	0.000	0.000	0.048	0.526	0.602	0.848	0.818	0.000	0.000	2.842
W	0.000	0.000	0.048	0.239	0.187	1.478	0.507	0.099	0.000	2.557
WNW	0.000	0.000	0.000	0.526	0.451	1.795	1.132	0.338	0.025	4.267
NW	0.000	0.048	0.096	0.239	0.595	2.204	2.488	0.697	0.040	6.406
NNW	0.000	0.000	0.096	0.239	0.276	1.614	2.222	0.460	0.000	4.907
SUBTOTAL	0.000	0.144	2.488	5.646	6.391	16.791	14.406	2.791	0.126	48.783

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF ELEVATED RELEASES 1804.260
TOTAL HOURS OF STABILITY CLASS D 1114.380
TOTAL HOURS OF ELEVATED STABILITY CLASS D 1019.560

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.096	0.184	0.673	0.196	0.000	0.000	1.148
NNE	0.000	0.000	0.144	0.287	0.136	0.923	0.356	0.000	0.000	1.845
NE	0.000	0.000	0.144	0.239	0.233	0.588	0.156	0.000	0.000	1.358
ENE	0.000	0.000	0.191	0.431	0.140	0.467	0.040	0.000	0.000	1.268
E	0.000	0.000	0.000	0.191	0.276	0.085	0.000	0.000	0.000	0.552
ESE	0.000	0.000	0.144	0.335	0.140	1.133	0.393	0.000	0.000	2.145
SE	0.000	0.000	0.287	0.478	0.700	1.394	0.702	0.331	0.004	3.896
SSE	0.000	0.000	0.287	0.335	0.601	1.289	1.475	0.383	0.011	4.381
S	0.000	0.000	0.048	0.622	0.275	1.753	1.398	0.255	0.000	4.350
SSW	0.000	0.000	0.144	0.144	0.275	0.881	0.354	0.000	0.000	1.797
SW	0.000	0.000	0.096	0.287	0.415	0.720	0.195	0.000	0.000	1.712
WSW	0.000	0.000	0.000	0.096	0.414	0.334	0.000	0.000	0.000	0.844
W	0.000	0.000	0.000	0.239	0.457	0.337	0.117	0.000	0.000	1.151
WNW	0.000	0.000	0.000	0.048	0.000	0.297	0.040	0.000	0.000	0.385
NW	0.000	0.000	0.000	0.000	0.182	0.578	0.315	0.000	0.000	1.075
NNW	0.000	0.000	0.048	0.048	0.185	0.623	0.394	0.000	0.000	1.298
SUBTOTAL	0.000	0.000	1.531	3.876	4.611	12.076	6.129	0.969	0.015	29.207

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF ELEVATED RELEASES 1804.260
TOTAL HOURS OF STABILITY CLASS E 688.160
TOTAL HOURS OF ELEVATED STABILITY CLASS E 610.420

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.047	0.086	0.000	0.000	0.000	0.133
NNE	0.000	0.000	0.048	0.191	0.090	0.043	0.000	0.000	0.000	0.372
NE	0.000	0.000	0.048	0.096	0.089	0.124	0.000	0.000	0.000	0.357
ENE	0.000	0.000	0.000	0.000	0.044	0.209	0.078	0.000	0.000	0.332
E	0.000	0.048	0.000	0.000	0.137	0.379	0.000	0.000	0.000	0.564
ESE	0.000	0.000	0.048	0.096	0.187	0.458	0.000	0.000	0.000	0.789
SE	0.000	0.000	0.048	0.191	0.324	0.636	0.000	0.000	0.000	1.199
SSE	0.000	0.000	0.048	0.191	0.326	0.085	0.039	0.000	0.000	0.689
S	0.000	0.000	0.096	0.191	0.282	0.292	0.000	0.000	0.000	0.861
SSW	0.000	0.000	0.048	0.096	0.090	0.042	0.000	0.000	0.000	0.276
SW	0.000	0.000	0.000	0.096	0.095	0.000	0.000	0.000	0.000	0.190
WSW	0.000	0.000	0.000	0.000	0.000	0.044	0.000	0.000	0.000	0.044
W	0.000	0.000	0.048	0.048	0.137	0.043	0.000	0.000	0.000	0.276
WNW	0.000	0.000	0.000	0.000	0.181	0.215	0.000	0.000	0.000	0.397
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.048	0.000	0.044	0.000	0.000	0.000	0.091
SUBTOTAL	0.000	0.048	0.431	1.244	2.030	2.700	0.118	0.000	0.000	6.570

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF ELEVATED RELEASES 1804.260
TOTAL HOURS OF STABILITY CLASS F 184.380
TOTAL HOURS OF ELEVATED STABILITY CLASS F 137.310

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.048	0.046	0.000	0.000	0.000	0.000	0.094
ENE	0.000	0.000	0.048	0.048	0.000	0.000	0.000	0.000	0.000	0.096
E	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.048
ESE	0.000	0.000	0.144	0.144	0.000	0.216	0.000	0.000	0.000	0.503
SE	0.000	0.000	0.000	0.048	0.093	0.214	0.000	0.000	0.000	0.355
SSE	0.000	0.000	0.000	0.048	0.000	0.087	0.000	0.000	0.000	0.135
S	0.000	0.000	0.048	0.096	0.044	0.044	0.000	0.000	0.000	0.232
SSW	0.000	0.000	0.000	0.048	0.046	0.000	0.000	0.000	0.000	0.094
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.043	0.000	0.000	0.000	0.043
NW	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.047
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.239	0.526	0.277	0.604	0.000	0.000	0.000	1.646

TOTAL HOURS OF VALID OBSERVATIONS 2090.000
TOTAL HOURS OF ELEVATED RELEASES 1804.260
TOTAL HOURS OF STABILITY CLASS G 64.300
TOTAL HOURS OF ELEVATED STABILITY CLASS G 34.410

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/04/30

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 19

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR SPLIT LEVEL RELEASES

(ELEVATED PORTION)

SECOND QUARTER

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF ELEVATED RELEASES 1932.250
TOTAL HOURS OF STABILITY CLASS A 44.580
TOTAL HOURS OF ELEVATED STABILITY CLASS A 0.000

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.000	0.000	0.039
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.076	0.000	0.000	0.076
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.079	0.000	0.000	0.000	0.079
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.038	0.000	0.000	0.038
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.079	0.153	0.000	0.000	0.232

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF ELEVATED RELEASES 1932.250
TOTAL HOURS OF STABILITY CLASS B 16.850
TOTAL HOURS OF ELEVATED STABILITY CLASS B 4.970

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.040	0.191	0.000	0.000	0.231
NNE	0.000	0.000	0.000	0.000	0.000	0.120	0.190	0.000	0.000	0.309
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.082	0.000	0.000	0.000	0.082
SE	0.000	0.000	0.000	0.094	0.000	0.039	0.038	0.000	0.000	0.171
SSE	0.000	0.000	0.000	0.000	0.000	0.125	0.000	0.000	0.000	0.125
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.094	0.000	0.000	0.039	0.000	0.000	0.132
SW	0.000	0.000	0.000	0.000	0.000	0.042	0.000	0.000	0.000	0.042
WSW	0.000	0.000	0.000	0.000	0.047	0.080	0.000	0.000	0.000	0.127
W	0.000	0.000	0.000	0.000	0.044	0.161	0.039	0.029	0.000	0.274
WNW	0.000	0.000	0.000	0.000	0.000	0.084	0.303	0.056	0.000	0.442
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.187	0.091	0.773	0.799	0.085	0.000	1.935

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF ELEVATED RELEASES 1932.250
TOTAL HOURS OF STABILITY CLASS C 49.230
TOTAL HOURS OF ELEVATED STABILITY CLASS C 41.400

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.187	0.360	1.358	0.840	0.000	0.000	2.745
NNE	0.000	0.000	0.047	0.327	0.540	1.102	0.345	0.000	0.000	2.362
NE	0.000	0.000	0.000	0.187	0.315	0.614	0.038	0.000	0.000	1.154
ENE	0.000	0.000	0.140	0.047	0.089	0.168	0.039	0.000	0.000	0.483
E	0.000	0.000	0.094	0.047	0.133	0.000	0.000	0.000	0.000	0.273
ESE	0.000	0.047	0.187	0.094	0.270	0.615	0.343	0.000	0.000	1.555
SE	0.000	0.000	0.888	1.917	1.126	1.472	0.955	0.163	0.022	6.542
SSE	0.000	0.000	0.795	1.543	0.716	1.230	0.914	0.313	0.006	5.518
S	0.000	0.047	0.468	0.748	0.770	1.060	1.643	0.187	0.001	4.923
SSW	0.000	0.000	0.655	1.122	0.499	0.968	0.722	0.111	0.000	4.076
SW	0.000	0.000	0.327	1.122	0.454	0.669	0.000	0.000	0.000	2.572
WSW	0.000	0.000	0.234	0.561	0.315	0.492	0.194	0.000	0.000	1.796
W	0.000	0.000	0.187	0.374	0.582	1.211	0.230	0.117	0.000	2.702
WNW	0.000	0.000	0.047	0.421	0.456	1.676	1.337	0.066	0.000	4.002
NW	0.000	0.000	0.000	0.140	0.403	1.130	1.064	0.706	0.013	3.456
NNW	0.000	0.000	0.047	0.140	0.226	0.723	0.724	0.148	0.000	2.008
SUBTOTAL	0.000	0.094	4.114	8.976	7.253	14.489	9.388	1.811	0.042	46.167

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF ELEVATED RELEASES 1932.250
TOTAL HOURS OF STABILITY CLASS D 1047.810
TOTAL HOURS OF ELEVATED STABILITY CLASS D 987.520

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.094	0.234	0.539	1.337	0.383	0.000	0.000	2.586
NNE	0.000	0.047	0.140	0.234	0.578	1.094	0.272	0.000	0.000	2.365
NE	0.000	0.000	0.094	0.327	0.180	0.564	0.000	0.000	0.000	1.165
ENE	0.000	0.000	0.094	0.234	0.313	0.203	0.078	0.000	0.000	0.921
E	0.000	0.000	0.140	0.374	0.316	0.295	0.000	0.000	0.000	1.125
ESE	0.000	0.000	0.187	0.468	0.723	1.537	0.038	0.000	0.000	2.953
SE	0.000	0.047	0.374	1.122	0.723	2.036	0.345	0.000	0.000	4.648
SSE	0.000	0.000	0.234	0.655	0.547	0.625	0.648	0.012	0.000	2.721
S	0.000	0.000	0.281	0.561	0.318	0.567	0.572	0.000	0.000	2.298
SSW	0.000	0.000	0.421	0.421	0.267	0.500	0.076	0.000	0.000	1.685
SW	0.000	0.047	0.327	0.234	0.046	0.000	0.000	0.000	0.000	0.654
WSW	0.000	0.000	0.374	0.327	0.359	0.295	0.000	0.000	0.000	1.355
W	0.000	0.000	0.234	0.094	0.179	0.368	0.114	0.000	0.000	0.988
WNW	0.000	0.000	0.140	0.234	0.044	0.322	0.038	0.000	0.000	0.778
NW	0.000	0.000	0.094	0.140	0.495	0.413	0.382	0.000	0.000	1.524
NNW	0.000	0.000	0.187	0.421	0.229	0.828	0.078	0.000	0.000	1.742
SUBTOTAL	0.000	0.140	3.413	6.078	5.858	10.984	3.024	0.012	0.000	29.509

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF ELEVATED RELEASES 1932.250
TOTAL HOURS OF STABILITY CLASS E 677.060
TOTAL HOURS OF ELEVATED STABILITY CLASS E 631.190

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.094	0.000	0.571	0.000	0.000	0.000	0.664
NNE	0.000	0.000	0.047	0.047	0.044	0.534	0.115	0.000	0.000	0.786
NE	0.000	0.000	0.094	0.187	0.044	0.325	0.077	0.000	0.000	0.727
ENE	0.000	0.000	0.187	0.140	0.271	0.246	0.000	0.000	0.000	0.844
E	0.000	0.000	0.047	0.140	0.136	0.168	0.000	0.000	0.000	0.491
ESE	0.000	0.000	0.140	0.140	0.537	0.621	0.039	0.000	0.000	1.477
SE	0.000	0.000	0.327	0.421	0.364	0.339	0.000	0.000	0.000	1.451
SSE	0.000	0.000	0.234	0.047	0.134	0.168	0.000	0.000	0.000	0.583
S	0.000	0.000	0.140	0.140	0.094	0.041	0.000	0.000	0.000	0.415
SSW	0.000	0.000	0.094	0.047	0.047	0.000	0.000	0.000	0.000	0.187
SW	0.000	0.000	0.187	0.281	0.000	0.000	0.000	0.000	0.000	0.468
WSW	0.000	0.000	0.187	0.094	0.087	0.000	0.000	0.000	0.000	0.368
W	0.000	0.000	0.187	0.094	0.137	0.040	0.000	0.000	0.000	0.458
WNW	0.000	0.000	0.000	0.187	0.270	0.000	0.000	0.000	0.000	0.457
NW	0.000	0.000	0.047	0.140	0.089	0.168	0.000	0.000	0.000	0.444
NNW	0.000	0.000	0.094	0.047	0.045	0.292	0.000	0.000	0.000	0.477
SUBTOTAL	0.000	0.000	2.010	2.244	2.298	3.513	0.231	0.000	0.000	10.296

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF ELEVATED RELEASES 1932.250
TOTAL HOURS OF STABILITY CLASS F 244.660
TOTAL HOURS OF ELEVATED STABILITY CLASS F 220.240

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.281	0.000	0.000	0.000	0.281
NNE	0.000	0.000	0.000	0.000	0.000	0.163	0.193	0.000	0.000	0.356
NE	0.000	0.000	0.000	0.094	0.000	0.201	0.000	0.000	0.000	0.295
ENE	0.000	0.000	0.000	0.047	0.000	0.122	0.000	0.000	0.000	0.169
E	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.045
ESE	0.000	0.000	0.047	0.000	0.088	0.040	0.000	0.000	0.000	0.175
SE	0.000	0.000	0.000	0.047	0.183	0.000	0.000	0.000	0.000	0.230
SSE	0.000	0.000	0.000	0.094	0.000	0.000	0.000	0.000	0.000	0.094
S	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.047
SSW	0.000	0.000	0.047	0.000	0.000	0.040	0.000	0.000	0.000	0.086
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.047
W	0.000	0.000	0.094	0.000	0.046	0.000	0.000	0.000	0.000	0.140
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.047
NNW	0.000	0.000	0.000	0.094	0.091	0.000	0.000	0.000	0.000	0.184
SUBTOTAL	0.000	0.000	0.281	0.421	0.453	0.847	0.193	0.000	0.000	2.194

TOTAL HOURS OF VALID OBSERVATIONS 2139.000
TOTAL HOURS OF ELEVATED RELEASES 1932.250
TOTAL HOURS OF STABILITY CLASS G 58.810
TOTAL HOURS OF ELEVATED STABILITY CLASS G 46.930

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/08/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 20

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR SPLIT LEVEL RELEASES

(ELEVATED PORTION)

THIRD QUARTER

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF ELEVATED RELEASES 2056.110
TOTAL HOURS OF STABILITY CLASS A 25.650
TOTAL HOURS OF ELEVATED STABILITY CLASS A 0.000

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.162	0.000	0.000	0.000	0.162
W	0.000	0.000	0.000	0.000	0.000	0.122	0.000	0.000	0.000	0.122
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.284	0.000	0.000	0.000	0.284

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF ELEVATED RELEASES 2056.110
TOTAL HOURS OF STABILITY CLASS B 15.000
TOTAL HOURS OF ELEVATED STABILITY CLASS B 6.260

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.079	0.000	0.000	0.000	0.079
NNE	0.000	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.000	0.080
NE	0.000	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.000	0.080
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.045	0.089	0.038	0.000	0.000	0.000	0.172
SSE	0.000	0.000	0.000	0.000	0.044	0.000	0.000	0.000	0.000	0.044
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.045	0.045	0.000	0.000	0.000	0.000	0.090
SW	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.045
WSW	0.000	0.000	0.000	0.000	0.044	0.204	0.000	0.000	0.000	0.247
W	0.000	0.000	0.000	0.000	0.000	0.445	0.000	0.000	0.000	0.445
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.136	0.221	0.925	0.000	0.000	0.000	1.282

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF ELEVATED RELEASES 2056.110
TOTAL HOURS OF STABILITY CLASS C 34.590
TOTAL HOURS OF ELEVATED STABILITY CLASS C 28.220

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.136	0.363	1.055	1.031	0.150	0.000	0.000	2.735
NNE	0.000	0.000	0.273	0.636	0.482	1.326	0.149	0.000	0.000	2.866
NE	0.000	0.000	0.136	0.363	0.480	0.405	0.074	0.000	0.000	1.459
ENE	0.000	0.000	0.136	0.136	0.221	0.084	0.000	0.000	0.000	0.577
E	0.000	0.000	0.318	0.273	0.090	0.040	0.000	0.000	0.000	0.720
ESE	0.000	0.000	0.227	0.363	0.789	1.075	0.148	0.000	0.000	2.602
SE	0.000	0.000	0.545	1.408	1.358	2.942	1.223	0.036	0.000	7.512
SSE	0.000	0.000	0.682	1.318	1.606	2.169	0.557	0.000	0.000	6.331
S	0.000	0.045	0.772	1.272	1.013	1.791	0.483	0.000	0.000	5.376
SSW	0.000	0.045	0.682	1.136	0.830	0.765	0.149	0.000	0.000	3.606
SW	0.000	0.045	0.863	1.772	0.703	0.204	0.000	0.000	0.000	3.587
WSW	0.000	0.000	0.318	1.545	1.233	1.128	0.000	0.000	0.000	4.224
W	0.000	0.000	0.136	1.363	1.702	2.456	0.113	0.000	0.000	5.771
WNW	0.000	0.000	0.091	0.454	0.651	0.882	0.075	0.000	0.000	2.153
NW	0.000	0.000	0.136	0.136	0.222	0.481	0.150	0.000	0.000	1.126
NNW	0.000	0.000	0.000	0.136	0.215	0.596	0.000	0.000	0.000	0.947
SUBTOTAL	0.000	0.136	5.452	12.676	12.649	17.371	3.271	0.036	0.000	51.591

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF ELEVATED RELEASES 2056.110
TOTAL HOURS OF STABILITY CLASS D 1169.910
TOTAL HOURS OF ELEVATED STABILITY CLASS D 1135.520

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.045	0.273	0.363	0.303	1.006	0.224	0.000	0.000	2.215
NNE	0.000	0.091	0.318	0.318	0.438	1.307	0.335	0.000	0.000	2.808
NE	0.000	0.000	0.227	0.227	0.177	0.757	0.036	0.000	0.000	1.424
ENE	0.000	0.045	0.091	0.273	0.523	0.567	0.000	0.000	0.000	1.499
E	0.000	0.000	0.045	0.409	0.481	1.134	0.000	0.000	0.000	2.070
ESE	0.000	0.000	0.318	0.500	0.827	1.687	0.000	0.000	0.000	3.333
SE	0.000	0.136	0.545	0.682	0.744	1.478	0.038	0.000	0.000	3.622
SSE	0.000	0.045	0.227	0.454	0.261	0.439	0.075	0.000	0.000	1.502
S	0.000	0.045	0.363	0.500	0.354	0.680	0.074	0.000	0.000	2.017
SSW	0.000	0.000	0.273	0.454	0.264	0.201	0.038	0.000	0.000	1.229
SW	0.000	0.000	0.136	0.818	0.091	0.000	0.000	0.000	0.000	1.045
WSW	0.000	0.000	0.182	1.045	0.699	0.166	0.000	0.000	0.000	2.091
W	0.000	0.000	0.273	0.454	0.523	0.895	0.000	0.000	0.000	2.145
WNW	0.000	0.091	0.227	0.091	0.175	0.399	0.000	0.000	0.000	0.983
NW	0.000	0.000	0.091	0.227	0.174	0.276	0.000	0.000	0.000	0.767
NNW	0.000	0.045	0.318	0.227	0.304	0.482	0.000	0.018	0.000	1.395
SUBTOTAL	0.000	0.545	3.907	7.042	6.338	11.476	0.820	0.018	0.000	30.146

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF ELEVATED RELEASES 2056.110
TOTAL HOURS OF STABILITY CLASS E 702.110
TOTAL HOURS OF ELEVATED STABILITY CLASS E 663.510

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.045	0.091	0.180	0.234	0.038	0.000	0.000	0.588
NNE	0.000	0.000	0.045	0.045	0.000	0.874	0.263	0.000	0.000	1.228
NE	0.000	0.000	0.000	0.136	0.175	0.637	0.301	0.000	0.000	1.249
ENE	0.000	0.000	0.045	0.182	0.173	0.481	0.000	0.000	0.000	0.881
E	0.000	0.000	0.091	0.091	0.171	0.526	0.000	0.000	0.000	0.879
ESE	0.000	0.000	0.045	0.000	0.130	0.721	0.000	0.000	0.000	0.897
SE	0.000	0.000	0.045	0.318	0.044	0.040	0.000	0.000	0.000	0.448
SSE	0.000	0.000	0.045	0.136	0.135	0.038	0.000	0.000	0.000	0.355
S	0.000	0.000	0.136	0.045	0.045	0.000	0.000	0.000	0.000	0.227
SSW	0.000	0.000	0.091	0.136	0.131	0.000	0.000	0.000	0.000	0.358
SW	0.000	0.045	0.136	0.091	0.000	0.000	0.000	0.000	0.000	0.273
WSW	0.000	0.000	0.091	0.091	0.043	0.083	0.000	0.000	0.000	0.307
W	0.000	0.000	0.045	0.091	0.173	0.040	0.000	0.000	0.000	0.349
WNW	0.000	0.000	0.091	0.182	0.000	0.000	0.000	0.000	0.000	0.273
NW	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.045
NNW	0.000	0.000	0.045	0.000	0.000	0.000	0.036	0.000	0.000	0.082
SUBTOTAL	0.000	0.045	1.000	1.681	1.401	3.674	0.638	0.000	0.000	8.439

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF ELEVATED RELEASES 2056.110
TOTAL HOURS OF STABILITY CLASS F 209.180
TOTAL HOURS OF ELEVATED STABILITY CLASS F 185.750

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.039	0.000	0.000	0.000	0.039
NNE	0.000	0.000	0.000	0.000	0.043	0.277	0.037	0.000	0.000	0.357
NE	0.000	0.000	0.000	0.045	0.132	0.478	0.000	0.000	0.000	0.656
ENE	0.000	0.000	0.000	0.000	0.133	0.080	0.000	0.000	0.000	0.214
E	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.045
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.045
SSE	0.000	0.000	0.045	0.045	0.000	0.000	0.000	0.000	0.000	0.091
S	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.045
SSW	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.045
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.045
W	0.000	0.000	0.045	0.045	0.000	0.000	0.000	0.000	0.000	0.091
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.227	0.182	0.353	0.875	0.037	0.000	0.000	1.674

TOTAL HOURS OF VALID OBSERVATIONS 2201.000
TOTAL HOURS OF ELEVATED RELEASES 2056.110
TOTAL HOURS OF STABILITY CLASS G 44.560
TOTAL HOURS OF ELEVATED STABILITY CLASS G 36.850

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2007/11/27

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 21

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR SPLIT LEVEL RELEASES

(ELEVATED PORTION)

FOURTH QUARTER

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF ELEVATED RELEASES 1913.810
TOTAL HOURS OF STABILITY CLASS A 13.870
TOTAL HOURS OF ELEVATED STABILITY CLASS A 0.000

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.046	0.000	0.042	0.000	0.000	0.000	0.088
SW	0.000	0.000	0.000	0.000	0.000	0.041	0.000	0.000	0.000	0.041
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.038	0.000	0.000	0.038
W	0.000	0.000	0.000	0.000	0.000	0.039	0.038	0.000	0.000	0.077
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.046	0.000	0.122	0.076	0.000	0.000	0.244

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF ELEVATED RELEASES 1913.810
TOTAL HOURS OF STABILITY CLASS B 13.070
TOTAL HOURS OF ELEVATED STABILITY CLASS B 5.320

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.012
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.137	0.040	0.000	0.000	0.000	0.177
SSW	0.000	0.000	0.000	0.092	0.000	0.000	0.000	0.000	0.000	0.092
SW	0.000	0.000	0.000	0.046	0.000	0.000	0.038	0.000	0.000	0.084
WSW	0.000	0.000	0.000	0.046	0.000	0.041	0.000	0.000	0.000	0.087
W	0.000	0.000	0.000	0.000	0.000	0.078	0.114	0.036	0.000	0.228
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.035
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.183	0.137	0.159	0.152	0.084	0.000	0.715

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF ELEVATED RELEASES 1913.810
TOTAL HOURS OF STABILITY CLASS C 23.510
TOTAL HOURS OF ELEVATED STABILITY CLASS C 15.590

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.092	0.229	0.310	1.513	0.899	0.110	0.000	3.153
NNE	0.000	0.000	0.000	0.183	0.395	1.139	0.526	0.000	0.000	2.243
NE	0.000	0.000	0.046	0.138	0.173	0.206	0.037	0.000	0.000	0.600
ENE	0.000	0.000	0.046	0.000	0.268	0.042	0.000	0.000	0.000	0.356
E	0.000	0.000	0.000	0.183	0.263	0.206	0.000	0.000	0.000	0.652
ESE	0.000	0.046	0.092	0.505	0.581	0.927	0.338	0.000	0.000	2.488
SE	0.000	0.046	0.367	1.193	0.533	1.766	1.757	0.420	0.009	6.090
SSE	0.000	0.000	0.275	0.734	0.485	0.961	2.042	0.430	0.000	4.928
S	0.000	0.000	0.459	0.229	0.484	1.551	1.710	0.549	0.000	4.982
SSW	0.000	0.046	0.138	0.550	0.744	1.765	0.857	0.153	0.000	4.253
SW	0.000	0.000	0.183	0.321	0.356	0.613	0.074	0.000	0.000	1.549
WSW	0.000	0.000	0.092	0.092	0.351	0.816	0.113	0.030	0.000	1.493
W	0.000	0.000	0.138	0.596	0.572	1.138	0.338	0.194	0.000	2.975
WNW	0.000	0.000	0.046	0.367	0.580	0.604	0.749	0.255	0.010	2.611
NW	0.000	0.000	0.092	0.138	0.222	0.601	1.039	0.545	0.010	2.646
NNW	0.000	0.000	0.046	0.092	0.530	1.000	1.230	0.171	0.011	3.080
SUBTOTAL	0.000	0.138	2.110	5.550	6.847	14.847	11.710	2.857	0.040	44.099

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF ELEVATED RELEASES 1913.810
TOTAL HOURS OF STABILITY CLASS D 1046.920
TOTAL HOURS OF ELEVATED STABILITY CLASS D 961.360

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.046	0.092	0.397	1.096	0.114	0.000	0.000	1.744
NNE	0.000	0.000	0.046	0.183	0.224	1.034	0.151	0.000	0.000	1.639
NE	0.000	0.000	0.000	0.092	0.354	0.801	0.000	0.000	0.000	1.247
ENE	0.000	0.046	0.138	0.183	0.221	0.123	0.000	0.000	0.000	0.711
E	0.000	0.046	0.138	0.183	0.653	1.235	0.000	0.000	0.000	2.256
ESE	0.000	0.000	0.138	0.459	0.886	1.661	0.226	0.000	0.000	3.369
SE	0.000	0.000	0.229	0.596	0.978	2.714	1.203	0.238	0.010	5.969
SSE	0.000	0.000	0.183	0.413	0.888	1.211	1.152	0.166	0.007	4.019
S	0.000	0.000	0.138	0.734	0.577	2.103	0.713	0.049	0.000	4.314
SSW	0.000	0.000	0.275	0.550	0.402	0.649	0.000	0.017	0.000	1.894
SW	0.000	0.000	0.138	0.367	0.137	0.000	0.037	0.000	0.000	0.678
WSW	0.000	0.000	0.046	0.275	0.309	0.000	0.000	0.000	0.000	0.630
W	0.000	0.000	0.046	0.413	0.131	0.363	0.000	0.000	0.000	0.953
WNW	0.000	0.000	0.000	0.092	0.089	0.204	0.037	0.000	0.000	0.422
NW	0.000	0.000	0.092	0.092	0.311	0.482	0.376	0.000	0.000	1.351
NNW	0.000	0.000	0.000	0.229	0.484	1.006	0.303	0.000	0.000	2.022
SUBTOTAL	0.000	0.092	1.651	4.954	7.041	14.682	4.313	0.469	0.017	33.219

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF ELEVATED RELEASES 1913.810
TOTAL HOURS OF STABILITY CLASS E 817.000
TOTAL HOURS OF ELEVATED STABILITY CLASS E 724.170

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.046	0.045	0.444	0.000	0.000	0.000	0.535
NNE	0.000	0.000	0.000	0.138	0.086	0.278	0.000	0.000	0.000	0.501
NE	0.000	0.000	0.046	0.046	0.091	0.235	0.038	0.000	0.000	0.456
ENE	0.000	0.000	0.046	0.046	0.089	0.163	0.076	0.000	0.000	0.419
E	0.000	0.000	0.046	0.046	0.133	0.373	0.000	0.000	0.000	0.598
ESE	0.000	0.000	0.000	0.138	0.265	0.899	0.000	0.000	0.000	1.302
SE	0.000	0.000	0.046	0.183	0.663	0.526	0.076	0.000	0.000	1.494
SSE	0.000	0.000	0.000	0.183	0.441	0.160	0.000	0.000	0.000	0.784
S	0.000	0.046	0.000	0.092	0.043	0.042	0.000	0.000	0.000	0.222
SSW	0.000	0.000	0.092	0.092	0.218	0.000	0.000	0.000	0.000	0.402
SW	0.000	0.000	0.092	0.092	0.000	0.000	0.000	0.000	0.000	0.183
WSW	0.000	0.000	0.092	0.138	0.044	0.000	0.000	0.000	0.000	0.273
W	0.000	0.000	0.000	0.046	0.044	0.000	0.000	0.000	0.000	0.090
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.045	0.120	0.000	0.000	0.000	0.166
NNW	0.000	0.000	0.092	0.000	0.131	0.197	0.000	0.000	0.000	0.420
SUBTOTAL	0.000	0.046	0.550	1.284	2.339	3.438	0.189	0.000	0.000	7.847

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF ELEVATED RELEASES 1913.810
TOTAL HOURS OF STABILITY CLASS F 211.210
TOTAL HOURS OF ELEVATED STABILITY CLASS F 171.060

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

SPLIT JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

PART 2 OF 2 ELEVATED RELEASE MODE

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.118	0.000	0.000	0.000	0.118
NNE	0.000	0.000	0.000	0.000	0.176	0.039	0.000	0.000	0.000	0.214
NE	0.000	0.000	0.000	0.000	0.087	0.000	0.000	0.000	0.000	0.087
ENE	0.000	0.000	0.000	0.046	0.089	0.121	0.189	0.000	0.000	0.444
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.042	0.000	0.000	0.000	0.042
SE	0.000	0.000	0.046	0.000	0.088	0.408	0.000	0.000	0.000	0.542
SSE	0.000	0.000	0.000	0.046	0.000	0.042	0.000	0.000	0.000	0.088
S	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.045	0.040	0.000	0.000	0.000	0.085
SUBTOTAL	0.000	0.000	0.046	0.138	0.483	0.810	0.189	0.000	0.000	1.666

TOTAL HOURS OF VALID OBSERVATIONS 2180.000
TOTAL HOURS OF ELEVATED RELEASES 1913.810
TOTAL HOURS OF STABILITY CLASS G 54.420
TOTAL HOURS OF ELEVATED STABILITY CLASS G 36.310

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.74 METER LEVEL
WIND SPEED MEASURED AT 45.74 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 2008/02/15

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 22

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR ELEVATED RELEASES

FIRST QUARTER

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS A	0
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	0
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2143
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 0.00

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS B	0
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	0
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2143
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 0.00

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.047
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.047
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.047
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.047	0.093	0.000	0.000	0.140

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS C	3
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	3
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2143
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 12.60

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.140	0.280	0.327	1.493	2.147	0.140	0.000	4.526
NNE	0.000	0.000	0.187	0.093	0.373	1.633	1.260	0.000	0.000	3.546
NE	0.000	0.047	0.093	0.233	0.280	0.653	0.327	0.000	0.000	1.633
ENE	0.000	0.000	0.140	0.280	0.560	0.560	0.000	0.000	0.000	1.540
E	0.000	0.000	0.187	0.327	0.373	0.467	0.000	0.000	0.000	1.353
ESE	0.000	0.000	0.093	0.187	0.233	0.233	0.233	0.047	0.047	1.073
SE	0.000	0.000	0.373	0.373	0.467	0.233	1.307	1.073	0.047	3.873
SSE	0.000	0.000	0.327	0.327	0.373	0.840	1.260	0.373	0.140	3.640
S	0.000	0.000	0.093	0.327	0.093	1.213	1.633	1.120	0.327	4.806
SSW	0.000	0.000	0.093	0.187	0.187	0.700	1.680	0.793	0.280	3.920
SW	0.000	0.000	0.140	0.047	0.327	1.213	0.467	0.233	0.000	2.427
WSW	0.000	0.000	0.047	0.187	0.187	1.213	0.980	0.513	0.000	3.126
W	0.000	0.000	0.187	0.140	0.280	1.120	0.933	0.373	0.140	3.173
WNW	0.000	0.000	0.000	0.420	0.467	1.960	1.493	0.747	0.513	5.600
NW	0.000	0.000	0.047	0.187	0.280	1.633	2.753	1.493	0.747	7.140
NNW	0.000	0.000	0.047	0.140	0.187	1.213	3.173	1.120	0.140	6.020
SUBTOTAL	0.000	0.047	2.193	3.733	4.993	16.379	19.645	8.026	2.380	57.396

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS D	1231
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	1230
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2143
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 13.12

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.047	0.000	0.000	0.467	0.793	0.047	0.000	1.353
NNE	0.000	0.000	0.047	0.000	0.047	0.607	0.980	0.233	0.000	1.913
NE	0.000	0.000	0.000	0.000	0.093	0.607	0.607	0.187	0.000	1.493
ENE	0.000	0.000	0.047	0.093	0.093	0.793	0.373	0.093	0.000	1.493
E	0.000	0.000	0.093	0.280	0.140	0.327	0.047	0.000	0.000	0.887
ESE	0.000	0.000	0.093	0.233	0.140	0.327	0.327	0.233	0.000	1.353
SE	0.000	0.000	0.000	0.187	0.420	1.167	1.493	0.607	0.187	4.060
SSE	0.000	0.000	0.093	0.280	0.280	0.933	1.727	1.493	0.420	5.226
S	0.000	0.000	0.140	0.140	0.280	1.213	2.660	1.167	0.093	5.693
SSW	0.000	0.000	0.093	0.000	0.140	0.607	1.353	0.373	0.047	2.613
SW	0.000	0.000	0.047	0.140	0.140	0.560	0.980	0.187	0.000	2.053
WSW	0.000	0.000	0.000	0.000	0.047	0.793	0.467	0.000	0.000	1.307
W	0.000	0.000	0.000	0.000	0.280	0.327	0.327	0.047	0.047	1.027
WNW	0.000	0.000	0.000	0.000	0.093	0.373	0.373	0.000	0.000	0.840
NW	0.000	0.000	0.000	0.047	0.140	0.233	0.513	0.140	0.000	1.073
NNW	0.000	0.000	0.047	0.000	0.000	0.233	0.980	0.047	0.000	1.307
SUBTOTAL	0.000	0.000	0.747	1.400	2.333	9.566	13.999	4.853	0.793	33.691

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS E	722
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	722
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2143
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 13.55

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.047	0.047	0.000	0.000	0.093
NNE	0.000	0.000	0.000	0.000	0.000	0.047	0.047	0.000	0.000	0.093
NE	0.000	0.000	0.000	0.047	0.000	0.140	0.233	0.047	0.000	0.467
ENE	0.000	0.000	0.000	0.047	0.000	0.233	0.047	0.140	0.000	0.467
E	0.000	0.000	0.000	0.047	0.000	0.233	0.233	0.000	0.000	0.513
ESE	0.000	0.000	0.000	0.000	0.093	0.280	0.280	0.187	0.000	0.840
SE	0.000	0.000	0.000	0.000	0.047	0.233	0.093	0.140	0.000	0.513
SSE	0.000	0.000	0.000	0.000	0.187	0.513	0.233	0.047	0.000	0.980
S	0.000	0.000	0.000	0.047	0.000	0.513	0.327	0.000	0.000	0.887
SSW	0.000	0.000	0.000	0.000	0.093	0.420	0.280	0.000	0.000	0.793
SW	0.000	0.000	0.000	0.047	0.000	0.187	0.093	0.000	0.000	0.327
WSW	0.000	0.000	0.000	0.047	0.093	0.093	0.000	0.000	0.000	0.233
W	0.000	0.000	0.000	0.000	0.000	0.000	0.140	0.000	0.000	0.140
WNW	0.000	0.000	0.047	0.093	0.000	0.093	0.327	0.000	0.000	0.560
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.140	0.000	0.000	0.140
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.047	0.373	0.513	3.033	2.520	0.560	0.000	7.046

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS F	151
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	151
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2143
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 11.96

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

JAN 1, 2007 - MAR 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.093	0.000	0.000	0.000	0.093
E	0.000	0.047	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.093
ESE	0.000	0.000	0.000	0.047	0.000	0.093	0.047	0.000	0.000	0.187
SE	0.000	0.000	0.000	0.000	0.047	0.187	0.047	0.000	0.000	0.280
SSE	0.000	0.000	0.000	0.000	0.047	0.000	0.047	0.000	0.000	0.093
S	0.000	0.000	0.047	0.093	0.093	0.140	0.140	0.000	0.000	0.513
SSW	0.000	0.000	0.000	0.000	0.000	0.093	0.047	0.000	0.000	0.140
SW	0.000	0.000	0.000	0.093	0.000	0.047	0.000	0.000	0.000	0.140
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.047
NW	0.000	0.047	0.000	0.000	0.000	0.047	0.047	0.000	0.000	0.140
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.093	0.047	0.233	0.187	0.747	0.420	0.000	0.000	1.727

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2144
TOTAL HOURS OF STABILITY CLASS G	37
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	37
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2143
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/04/30

MEAN WIND SPEED = 9.20

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 23

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR ELEVATED RELEASES

SECOND QUARTER

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS A	0
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	0
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2079
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 0.00

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.048
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.096	0.000	0.000	0.096
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.096	0.000	0.000	0.096
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.048
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.289	0.000	0.000	0.289

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS B	6
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	6
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2079
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 16.07

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.048	0.241	0.000	0.000	0.289
NNE	0.000	0.000	0.000	0.000	0.000	0.096	0.241	0.048	0.000	0.385
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.048	0.096	0.000	0.000	0.144
SE	0.000	0.000	0.000	0.096	0.000	0.000	0.048	0.000	0.000	0.144
SSE	0.000	0.000	0.000	0.000	0.000	0.144	0.000	0.000	0.000	0.144
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.048	0.000	0.096
SW	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000	0.096
WSW	0.000	0.000	0.000	0.000	0.048	0.000	0.096	0.000	0.000	0.144
W	0.000	0.000	0.000	0.000	0.048	0.048	0.241	0.000	0.096	0.433
WNW	0.000	0.000	0.000	0.000	0.000	0.096	0.192	0.192	0.000	0.481
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.144	0.144	0.529	1.154	0.289	0.096	2.357

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS C	49
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	49
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2079
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 14.35

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.096	0.337	1.395	1.203	0.192	0.000	3.223
NNE	0.000	0.000	0.048	0.144	0.481	1.154	0.770	0.048	0.000	2.646
NE	0.000	0.000	0.000	0.096	0.241	0.673	0.096	0.048	0.000	1.154
ENE	0.000	0.000	0.192	0.000	0.096	0.337	0.000	0.000	0.000	0.625
E	0.000	0.000	0.000	0.048	0.000	0.096	0.000	0.000	0.000	0.144
ESE	0.000	0.000	0.289	0.337	0.385	0.818	0.914	0.144	0.000	2.886
SE	0.000	0.000	1.058	1.299	0.818	1.010	1.299	0.481	0.241	6.205
SSE	0.000	0.000	0.529	0.962	0.481	1.395	1.106	0.529	0.337	5.339
S	0.000	0.000	0.818	0.577	0.722	1.106	2.116	0.577	0.192	6.109
SSW	0.000	0.000	0.337	0.433	0.433	0.914	1.395	0.625	0.096	4.233
SW	0.000	0.048	0.577	1.106	0.337	0.818	0.577	0.000	0.000	3.463
WSW	0.000	0.000	0.337	0.818	0.096	0.529	0.529	0.048	0.000	2.357
W	0.000	0.000	0.096	0.481	0.385	1.058	0.577	0.144	0.144	2.886
WNW	0.000	0.000	0.144	0.289	0.577	1.924	1.972	0.241	0.048	5.195
NW	0.000	0.000	0.000	0.241	0.192	0.866	1.251	0.673	0.096	3.319
NNW	0.000	0.000	0.000	0.048	0.192	0.385	1.395	0.385	0.000	2.405
SUBTOTAL	0.000	0.048	4.425	6.975	5.772	14.478	15.200	4.137	1.154	52.189

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS D	1121
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	1085
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2079
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 10.88

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.048	0.192	0.144	0.481	1.299	0.289	0.000	2.453
NNE	0.000	0.000	0.144	0.096	0.241	0.770	1.780	0.192	0.000	3.223
NE	0.000	0.000	0.048	0.000	0.144	0.337	0.770	0.048	0.000	1.347
ENE	0.000	0.000	0.192	0.192	0.144	0.481	0.048	0.048	0.000	1.106
E	0.000	0.000	0.144	0.192	0.048	0.385	0.096	0.000	0.000	0.866
ESE	0.000	0.000	0.192	0.433	0.433	0.722	0.289	0.000	0.000	2.068
SE	0.000	0.000	0.144	0.337	0.337	2.357	1.395	0.144	0.000	4.714
SSE	0.000	0.000	0.192	0.577	0.577	1.443	0.818	0.241	0.000	3.848
S	0.000	0.000	0.096	0.481	0.529	0.481	0.625	0.433	0.048	2.694
SSW	0.000	0.000	0.289	0.241	0.192	0.770	0.337	0.000	0.000	1.828
SW	0.000	0.000	0.289	0.192	0.385	0.289	0.000	0.096	0.000	1.251
WSW	0.000	0.048	0.096	0.337	0.192	0.481	0.144	0.000	0.000	1.299
W	0.000	0.000	0.000	0.385	0.144	0.433	0.192	0.048	0.048	1.251
WNW	0.000	0.000	0.096	0.385	0.144	0.144	0.144	0.048	0.000	0.962
NW	0.000	0.000	0.000	0.192	0.144	0.433	0.433	0.048	0.000	1.251
NNW	0.000	0.000	0.000	0.144	0.241	0.529	0.577	0.000	0.000	1.491
SUBTOTAL	0.000	0.048	1.972	4.377	4.040	10.534	8.947	1.635	0.096	31.650

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS E	688
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	658
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2079
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 10.34

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.096	0.048	0.048	0.096	0.048	0.577	0.096	0.000	1.010
NNE	0.000	0.000	0.048	0.096	0.000	0.096	0.144	0.192	0.000	0.577
NE	0.000	0.000	0.096	0.144	0.096	0.241	0.385	0.144	0.000	1.106
ENE	0.000	0.000	0.096	0.000	0.000	0.192	0.241	0.096	0.000	0.625
E	0.000	0.000	0.096	0.096	0.096	0.241	0.289	0.000	0.000	0.818
ESE	0.000	0.000	0.192	0.096	0.192	0.337	0.000	0.000	0.000	0.818
SE	0.000	0.000	0.096	0.096	0.144	0.577	0.625	0.000	0.000	1.539
SSE	0.000	0.000	0.144	0.289	0.144	0.529	0.096	0.000	0.000	1.203
S	0.000	0.000	0.096	0.048	0.144	0.144	0.096	0.000	0.000	0.529
SSW	0.000	0.000	0.048	0.096	0.048	0.192	0.096	0.000	0.000	0.481
SW	0.000	0.000	0.000	0.000	0.000	0.241	0.096	0.000	0.000	0.337
WSW	0.000	0.000	0.048	0.000	0.048	0.048	0.096	0.000	0.000	0.241
W	0.000	0.000	0.048	0.096	0.048	0.048	0.000	0.048	0.000	0.289
WNW	0.000	0.000	0.000	0.000	0.192	0.241	0.000	0.000	0.000	0.433
NW	0.000	0.000	0.048	0.048	0.144	0.289	0.048	0.000	0.000	0.577
NNW	0.000	0.000	0.048	0.096	0.048	0.192	0.096	0.000	0.000	0.481
SUBTOTAL	0.000	0.096	1.154	1.251	1.443	3.656	2.886	0.577	0.000	11.063

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS F	233
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	230
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2079
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 9.89

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

APR 1, 2007 - JUN 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.096	0.144	0.048	0.048	0.000	0.337
NNE	0.000	0.000	0.000	0.000	0.048	0.000	0.337	0.289	0.000	0.673
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.048	0.000	0.096
ENE	0.000	0.000	0.144	0.000	0.000	0.096	0.192	0.000	0.000	0.433
E	0.000	0.000	0.000	0.048	0.000	0.000	0.096	0.000	0.000	0.144
ESE	0.000	0.000	0.000	0.048	0.000	0.144	0.000	0.000	0.000	0.192
SE	0.000	0.000	0.000	0.048	0.000	0.048	0.048	0.000	0.000	0.144
SSE	0.000	0.000	0.000	0.048	0.000	0.096	0.000	0.000	0.000	0.144
S	0.000	0.000	0.000	0.096	0.000	0.000	0.000	0.000	0.000	0.096
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.048
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.048	0.096	0.000	0.000	0.000	0.000	0.144
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.144	0.337	0.241	0.529	0.770	0.433	0.000	2.453

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2148
TOTAL HOURS OF STABILITY CLASS G	51
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	51
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2079
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/08/15

MEAN WIND SPEED = 11.88

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 24

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR ELEVATED RELEASES

THIRD QUARTER

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2202
TOTAL HOURS OF STABILITY CLASS A	0
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	0
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2202
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 0.00

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.091	0.091	0.000	0.000	0.182
W	0.000	0.000	0.000	0.000	0.000	0.091	0.045	0.000	0.000	0.136
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.182	0.136	0.000	0.000	0.318

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2202
TOTAL HOURS OF STABILITY CLASS B	7
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	7
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2202
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 11.60

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.091	0.000	0.000	0.000	0.091
NNE	0.000	0.000	0.000	0.000	0.000	0.136	0.000	0.000	0.000	0.136
NE	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.045
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.045	0.000	0.045	0.000	0.000	0.091
SE	0.000	0.000	0.000	0.000	0.045	0.045	0.000	0.000	0.000	0.091
SSE	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.045
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.045
SW	0.000	0.000	0.000	0.045	0.045	0.000	0.000	0.000	0.000	0.091
WSW	0.000	0.000	0.000	0.000	0.000	0.182	0.091	0.000	0.000	0.272
W	0.000	0.000	0.000	0.000	0.000	0.363	0.136	0.000	0.000	0.500
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.045	0.227	0.863	0.272	0.000	0.000	1.408

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2202
TOTAL HOURS OF STABILITY CLASS C	31
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	31
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2202
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 10.16

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.091	0.272	0.727	1.226	0.727	0.000	0.000	3.043
NNE	0.000	0.000	0.136	0.454	0.545	1.408	0.500	0.000	0.000	3.043
NE	0.000	0.000	0.000	0.272	0.227	0.681	0.227	0.000	0.000	1.408
ENE	0.000	0.000	0.182	0.363	0.136	0.227	0.000	0.000	0.000	0.908
E	0.000	0.000	0.182	0.091	0.227	0.045	0.045	0.000	0.000	0.590
ESE	0.000	0.000	0.182	0.272	0.999	1.589	0.863	0.136	0.000	4.042
SE	0.000	0.000	0.454	1.090	0.817	2.589	2.044	0.454	0.000	7.448
SSE	0.000	0.045	0.363	0.727	0.908	2.452	0.954	0.182	0.000	5.631
S	0.000	0.045	0.363	0.908	0.772	1.771	1.135	0.091	0.000	5.086
SSW	0.000	0.000	0.545	1.226	0.500	1.226	0.545	0.045	0.000	4.087
SW	0.000	0.000	0.727	0.954	0.954	0.999	0.227	0.000	0.000	3.860
WSW	0.000	0.000	0.545	1.090	1.090	1.635	0.772	0.000	0.000	5.132
W	0.000	0.000	0.045	1.135	1.589	2.906	0.863	0.000	0.000	6.540
WNW	0.000	0.000	0.182	0.136	0.590	1.045	0.091	0.000	0.000	2.044
NW	0.000	0.000	0.000	0.136	0.182	0.545	0.272	0.000	0.000	1.135
NNW	0.000	0.000	0.136	0.136	0.045	0.681	0.136	0.000	0.000	1.135
SUBTOTAL	0.000	0.091	4.133	9.264	10.309	21.026	9.401	0.908	0.000	55.132

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2202
TOTAL HOURS OF STABILITY CLASS D	1214
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	1214
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2202
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 8.67

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.227	0.318	0.272	0.590	0.681	0.182	0.000	2.271
NNE	0.000	0.000	0.091	0.182	0.318	0.545	1.272	0.409	0.000	2.816
NE	0.000	0.045	0.091	0.227	0.272	0.363	0.772	0.091	0.000	1.862
ENE	0.000	0.045	0.091	0.182	0.182	0.454	0.318	0.000	0.000	1.272
E	0.000	0.045	0.045	0.318	0.091	0.545	0.636	0.000	0.000	1.680
ESE	0.000	0.045	0.272	0.272	0.318	1.181	0.863	0.000	0.000	2.952
SE	0.000	0.000	0.227	0.590	0.590	2.225	1.181	0.045	0.000	4.859
SSE	0.000	0.000	0.091	0.363	0.318	0.727	0.227	0.091	0.000	1.817
S	0.000	0.091	0.318	0.409	0.136	0.409	0.318	0.000	0.000	1.680
SSW	0.000	0.045	0.318	0.318	0.272	0.590	0.272	0.000	0.000	1.817
SW	0.000	0.045	0.136	0.045	0.454	0.454	0.000	0.000	0.000	1.135
WSW	0.000	0.000	0.136	0.045	0.318	0.999	0.182	0.000	0.000	1.680
W	0.000	0.000	0.136	0.454	0.409	1.135	0.363	0.000	0.000	2.498
WNW	0.000	0.000	0.136	0.182	0.182	0.772	0.500	0.000	0.000	1.771
NW	0.000	0.045	0.136	0.091	0.091	0.272	0.091	0.000	0.000	0.727
NNW	0.000	0.000	0.136	0.045	0.136	0.681	0.227	0.000	0.091	1.317
SUBTOTAL	0.000	0.409	2.589	4.042	4.360	11.944	7.902	0.817	0.091	32.153

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2202
TOTAL HOURS OF STABILITY CLASS E	708
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	708
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2202
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 9.52

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.045	0.000	0.045	0.000	0.091	0.000	0.000	0.182
NNE	0.000	0.000	0.045	0.091	0.091	0.227	0.636	0.272	0.000	1.362
NE	0.000	0.000	0.000	0.000	0.000	0.091	0.727	0.545	0.000	1.362
ENE	0.000	0.000	0.000	0.000	0.136	0.409	0.272	0.045	0.000	0.863
E	0.000	0.000	0.091	0.045	0.182	0.227	0.318	0.000	0.000	0.863
ESE	0.000	0.000	0.000	0.091	0.045	0.454	0.409	0.000	0.000	0.999
SE	0.000	0.000	0.091	0.182	0.182	0.182	0.500	0.000	0.000	1.135
SSE	0.000	0.000	0.045	0.091	0.000	0.136	0.045	0.000	0.000	0.318
S	0.000	0.000	0.045	0.091	0.000	0.045	0.000	0.000	0.000	0.182
SSW	0.000	0.000	0.045	0.136	0.045	0.091	0.045	0.000	0.000	0.363
SW	0.000	0.000	0.045	0.000	0.045	0.091	0.000	0.000	0.000	0.182
WSW	0.000	0.000	0.000	0.000	0.045	0.136	0.000	0.000	0.000	0.182
W	0.000	0.000	0.000	0.045	0.091	0.091	0.227	0.000	0.000	0.454
WNW	0.000	0.000	0.045	0.045	0.045	0.000	0.045	0.000	0.000	0.182
NW	0.000	0.000	0.045	0.045	0.182	0.045	0.000	0.000	0.000	0.318
NNW	0.000	0.000	0.000	0.045	0.045	0.091	0.000	0.045	0.000	0.227
SUBTOTAL	0.000	0.000	0.545	0.908	1.181	2.316	3.315	0.908	0.000	9.173

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2202
TOTAL HOURS OF STABILITY CLASS F	202
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	202
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2202
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 11.48

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

JUL 1, 2007 - SEP 30, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.045	0.091	0.045	0.000	0.182
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.318	0.000	0.000	0.318
ENE	0.000	0.000	0.000	0.000	0.045	0.182	0.454	0.045	0.000	0.727
E	0.000	0.000	0.000	0.045	0.045	0.045	0.045	0.000	0.000	0.182
ESE	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.045
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.045	0.000	0.045	0.000	0.000	0.000	0.091
S	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.045
SSW	0.000	0.000	0.000	0.091	0.000	0.000	0.000	0.000	0.000	0.091
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.091	0.045	0.000	0.000	0.000	0.000	0.000	0.136
SUBTOTAL	0.000	0.000	0.091	0.272	0.091	0.363	0.908	0.091	0.000	1.817

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2202
TOTAL HOURS OF STABILITY CLASS G	40
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	40
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2202
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2007/11/27

MEAN WIND SPEED = 11.94

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

METEOROGICAL DATA TABLES

BROWNS FERRY NUCLEAR PLANT (BFN)

JANUARY - DECEMBER 2007

TABLE 25

JOINT FREQUENCY DISTRIBUTION IN PERCENT

FOR ELEVATED RELEASES

FOURTH QUARTER

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2197
TOTAL HOURS OF STABILITY CLASS A	0
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	0
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2197
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 0.00

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.046
SW	0.000	0.000	0.000	0.000	0.046	0.046	0.000	0.000	0.000	0.091
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.046
W	0.000	0.000	0.000	0.000	0.000	0.000	0.091	0.000	0.000	0.091
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.000	0.046	0.091	0.137	0.000	0.000	0.273

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2197
TOTAL HOURS OF STABILITY CLASS B	6
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	6
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2197
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 13.08

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.046
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.137	0.046	0.000	0.000	0.000	0.182
SSW	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
SW	0.000	0.000	0.000	0.046	0.046	0.000	0.046	0.000	0.000	0.137
WSW	0.000	0.000	0.000	0.046	0.000	0.000	0.137	0.000	0.000	0.182
W	0.000	0.000	0.000	0.000	0.000	0.000	0.137	0.000	0.046	0.182
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.046
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	0.000	0.000	0.137	0.182	0.046	0.319	0.046	0.091	0.819

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2197
TOTAL HOURS OF STABILITY CLASS C	18
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	18
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2197
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 12.88

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.091	0.046	0.319	1.138	1.730	0.319	0.091	3.732
NNE	0.000	0.000	0.046	0.137	0.319	1.138	0.956	0.000	0.000	2.594
NE	0.000	0.000	0.046	0.046	0.091	0.319	0.091	0.000	0.000	0.592
ENE	0.000	0.000	0.000	0.046	0.091	0.273	0.000	0.000	0.000	0.410
E	0.000	0.000	0.000	0.046	0.137	0.182	0.228	0.000	0.000	0.592
ESE	0.000	0.000	0.091	0.410	0.592	1.730	1.183	0.364	0.000	4.370
SE	0.000	0.046	0.273	0.546	0.455	1.047	1.730	1.229	0.182	5.508
SSE	0.000	0.046	0.364	0.546	0.364	1.001	1.957	1.001	0.637	5.917
S	0.000	0.046	0.319	0.319	0.273	1.183	2.230	1.274	0.137	5.781
SSW	0.000	0.000	0.273	0.319	0.410	1.730	1.229	0.728	0.046	4.734
SW	0.000	0.000	0.137	0.228	0.091	0.865	0.683	0.091	0.000	2.094
WSW	0.000	0.000	0.091	0.000	0.182	1.047	0.410	0.137	0.046	1.912
W	0.000	0.000	0.182	0.455	0.319	1.001	0.774	0.273	0.364	3.368
WNW	0.000	0.046	0.000	0.455	0.455	0.728	1.001	0.546	0.228	3.459
NW	0.000	0.000	0.091	0.091	0.137	0.364	0.956	1.320	0.182	3.141
NNW	0.000	0.000	0.000	0.046	0.410	0.956	1.548	0.410	0.091	3.459
SUBTOTAL	0.000	0.182	2.003	3.732	4.643	14.702	16.705	7.692	2.003	51.661

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2197
TOTAL HOURS OF STABILITY CLASS D	1135
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	1135
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2197
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 12.98

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.091	0.137	1.229	1.047	0.000	0.000	2.503
NNE	0.000	0.000	0.000	0.000	0.046	0.546	1.183	0.137	0.000	1.912
NE	0.000	0.046	0.000	0.046	0.046	0.728	0.592	0.046	0.000	1.502
ENE	0.000	0.000	0.046	0.091	0.091	0.455	0.000	0.000	0.000	0.683
E	0.000	0.000	0.091	0.000	0.046	0.501	0.501	0.000	0.000	1.138
ESE	0.000	0.000	0.046	0.228	0.319	1.138	1.684	0.091	0.000	3.505
SE	0.000	0.000	0.091	0.182	0.455	2.230	2.549	0.546	0.364	6.418
SSE	0.000	0.000	0.182	0.091	0.410	1.593	1.730	0.774	0.091	4.870
S	0.000	0.000	0.228	0.091	0.273	2.139	2.094	0.273	0.046	5.143
SSW	0.000	0.000	0.046	0.228	0.501	1.502	0.683	0.000	0.046	3.004
SW	0.000	0.000	0.046	0.091	0.273	0.501	0.182	0.046	0.000	1.138
WSW	0.000	0.000	0.000	0.137	0.228	0.273	0.000	0.000	0.000	0.637
W	0.000	0.000	0.000	0.091	0.228	0.728	0.182	0.046	0.000	1.274
WNW	0.000	0.000	0.000	0.091	0.137	0.364	0.046	0.000	0.000	0.637
NW	0.000	0.000	0.000	0.046	0.046	0.319	0.592	0.228	0.000	1.229
NNW	0.000	0.000	0.000	0.046	0.091	0.546	0.637	0.137	0.000	1.457
SUBTOTAL	0.000	0.046	0.774	1.548	3.323	14.793	13.701	2.321	0.546	37.051

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2197
TOTAL HOURS OF STABILITY CLASS E	814
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	814
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2197
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 12.13

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.046	0.000	0.000	0.228	0.273	0.000	0.000	0.546
NNE	0.000	0.000	0.000	0.000	0.000	0.091	0.319	0.000	0.000	0.410
NE	0.000	0.000	0.000	0.000	0.046	0.091	0.273	0.046	0.000	0.455
ENE	0.000	0.000	0.046	0.000	0.091	0.000	0.137	0.091	0.000	0.364
E	0.000	0.000	0.000	0.000	0.046	0.091	0.091	0.000	0.000	0.228
ESE	0.000	0.000	0.137	0.046	0.046	0.592	0.319	0.000	0.000	1.138
SE	0.000	0.000	0.000	0.046	0.137	0.910	0.683	0.046	0.000	1.821
SSE	0.000	0.000	0.000	0.000	0.091	0.364	0.137	0.000	0.000	0.592
S	0.000	0.000	0.046	0.046	0.182	0.364	0.273	0.000	0.000	0.910
SSW	0.000	0.000	0.046	0.046	0.137	0.137	0.273	0.000	0.000	0.637
SW	0.000	0.000	0.046	0.000	0.137	0.137	0.000	0.000	0.000	0.319
WSW	0.000	0.000	0.000	0.000	0.000	0.046	0.046	0.000	0.000	0.091
W	0.000	0.000	0.091	0.000	0.046	0.000	0.000	0.000	0.000	0.137
WNW	0.000	0.000	0.091	0.000	0.091	0.000	0.000	0.000	0.000	0.182
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.046
NNW	0.000	0.000	0.000	0.000	0.000	0.091	0.364	0.046	0.000	0.501
SUBTOTAL	0.000	0.000	0.546	0.182	1.047	3.141	3.232	0.228	0.000	8.375

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2197
TOTAL HOURS OF STABILITY CLASS F	184
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	184
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2197
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 11.05

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

Browns Ferry Nuclear Plant

OCT 1, 2007 - DEC 31, 2007

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.091	0.000	0.137
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.091	0.000	0.000	0.091
NE	0.000	0.000	0.000	0.000	0.000	0.137	0.137	0.000	0.000	0.273
ENE	0.000	0.000	0.000	0.000	0.000	0.137	0.046	0.091	0.000	0.273
E	0.000	0.000	0.000	0.046	0.000	0.000	0.137	0.046	0.000	0.228
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.046	0.046	0.091	0.046	0.000	0.000	0.228
SSE	0.000	0.000	0.000	0.000	0.000	0.137	0.182	0.000	0.000	0.319
S	0.000	0.000	0.000	0.000	0.000	0.091	0.000	0.000	0.000	0.091
SSW	0.000	0.000	0.046	0.046	0.000	0.000	0.000	0.000	0.000	0.091
SW	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.046
SUBTOTAL	0.000	0.000	0.046	0.182	0.046	0.592	0.728	0.228	0.000	1.821

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2197
TOTAL HOURS OF STABILITY CLASS G	40
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	40
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2197
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 90.29 METER LEVEL

DATE PRINTED: 2008/02/15

MEAN WIND SPEED = 12.64

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

ENCLOSURE 3

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 1, 2, AND 3

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
2007

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2007

I. Regulatory and BFN ODCM Limits

A. Fission and Activation Gases in Gaseous Effluent:

The release of fission and activation gases is regulated by the dose limits of 10 CFR 50 Appendix I and BFN Offsite Dose Calculation Manual (ODCM). The air dose to areas at and beyond the site boundary due to noble gases released in gaseous effluents per unit, shall be limited during any calendar quarter to $\leq$ 5 millirad (mrad) for gamma radiation and $\leq$ 10 mrad for beta radiation; and during any calendar year to $\leq$ 10 mrad for gamma radiation and $\leq$ 20 mrad for beta radiation.

B. Iodines and Particulates with Half-Lives Greater than Eight Days in Gaseous Effluents.

The release of iodines and particulates in gaseous effluent is regulated by the dose limits of 10 CFR 50 Appendix I and the BFN ODCM. The dose to a member of the public from radioiodines, radioactive materials in particulate form, and radionuclides other than noble gases with half-lives greater than eight days in gaseous effluent released per unit to areas at and beyond the site boundary shall be limited to any organ during any calendar quarter to $\leq$ 7.5 millirem (mrem), and during any calendar year to $\leq$ 15 mrem.

C. Liquid Effluents

The release of radioactive liquid effluents is regulated by the dose limits of 10 CFR 50 Appendix I and the BFN ODCM. The doses or dose commitment to a member of the public from radioactive materials in liquid effluents released from each unit to unrestricted areas shall be limited during any calendar quarter to $\leq$ 1.5 mrem to the total body and $\leq$5 mrem to any organ and during any calendar year to $\leq$ 3 mrem to the total body and $\leq$ 10 mrem to any organ.

II. Limitation on Dose Rate

A. Fission and Activation Gases in Gaseous Effluent:

1. The instantaneous release rate of fission and activation gases is based on the dose rate limits of 10 CFR 20.1301 and the BFN ODCM. The dose rate at any time to areas at and beyond the site boundary due to noble gases released in gaseous effluents from the site shall be limited to
$\leq$ 500 mrem per year to the total body and $\leq$ 3000 mrem per year to the skin.

2. The BFN ODCM Section 7.2 determines the maximum noble gas release rate.

II. Limitations on Dose Rate (Continued)

B. Iodines and Particulates with Half-Lives Greater than Eight Days in gaseous effluents.

1. The instantaneous release rate of particulates and iodines is regulated by the dose rate limits of the BFN ODCM. The dose rate at any time to areas at and beyond the site boundary, due to I-131, I-133, H-3 and particulates with greater than eight days half-lives released in gaseous effluents from the site, shall be limited to $\leq$ 1500 mrem per year to any organ.

2. The BFN ODCM Section 7.3 determines the maximum particulate and iodine dose rates.

C. Liquid Effluents

1. The concentration of radionuclides in liquid effluents released at any time from the site to unrestricted areas shall be limited to the concentrations specified in 10 CFR 20.1001 - 20.2402, Appendix B, Table 2, Column 2 for radionuclides other than dissolved or entrained noble gases.

2. For dissolved or entrained noble gases, the concentration shall be limited to 2E-4 μCi per milliliter (ml) total activity.

III. Measurements and Approximations of Total Radioactivity

A. Fission and Activation Gases:

1. Noble gases in the building vent and stack (elevated) gaseous effluents are continuously monitored. The flow rate of the stack is continuously monitored and the building vent effluent flow rates are calculated once a shift based on the configuration of operating exhaust fans. The vent flow is calculated for each release. Gas grab samples of the stack are taken and analyzed weekly. Gas grab samples of in-service vents are taken and analyzed monthly. The specific noble gas activity concentrations and total volume of the gases are used to calculate the total Curies of noble gases released.

2. The tritium concentration is determined by the analysis of a monthly grab sample for each release point.

III. Measurements and Approximations of Total Radioactivity (continued)

B. Iodines and Particulates

1. Iodines and particulates are continuously sampled on impregnated charcoal filters and particulate filters, respectively. The charcoal and particulate samples are replaced at least weekly and analyzed to determine specific activity concentrations. The specific activity concentrations and vent flow rate data are used weekly to verify that release rate limits were not exceeded. The specific activity concentrations and total volume of gaseous effluent are used on a monthly basis to determine the total Curies of each particulate and iodine released during the month.

2. The gross alpha concentration is determined by analysis of a monthly particulate filter composite sample and strontium -89 and -90 are determined by analysis of a quarterly particulate filter composite sample for each release point.

C. Liquid Effluents

1. The gamma ray emitting radionuclide concentrations are determined for each batch by gamma ray spectroscopy analysis of a grab sample. The allowable release rate is calculated for each batch based upon the known dilution flow. The flow rate of the liquid effluent is continuously monitored and the total volume released in each batch is determined. The total gamma activity released in each batch is determined by multiplying the radionuclide concentrations by the total volume discharged. The total gamma activity released during the month is then determined by summing the gamma activity content of each batch discharged during the month.

2. The gross alpha and tritium concentrations are measured on a monthly composite sample. The strontium -89 and -90 and iron -55 are measured on a quarterly composite sample.

D. The Radioactive Gaseous and Liquid Waste Monitoring Sampling and Analysis Program is specified in ODCM Sections 1/2.2.1 and 1/2.2.2.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
SUPPLEMENTAL INFORMATION
2007

IV. Batch

A. Liquid	Units	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1. Number of batches released	Each	50	97	57	21
2. Total time for batches released	Minutes	11935	25082	14147	4632
3. Maximum time period for a batch release	Minutes	300	315	339	270
4. Average time period for a batch release	Minutes	239	259	248	221
5. Minimum time period for a batch release	Minutes	135	190	170	145
6. Average stream flow during period of release into a flowing stream	Cubic feet per second	33224	13349	17632	12086

B. Gaseous

None

C. Abnormal/Unplanned Releases*

Type	Number of Releases	Total Activity Releases (Curies)
Liquid	Two	1.2 E-02 Ci/year (groundwater H-3) 1.7 E+01 Curies (Condensate leak into RCW)

* An explanation of any liquid or gaseous abnormal/unexplained release shall be documented in the summary.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES
YEAR 2007

		Units	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Error %
A.	Fission and Activation Products (Does not include tritium, gases, Alpha)						
	1. Total Release	Curies	5.84E+00**	1.51E+00**	1.46E-02	4.93E-03	9
	2. Average Diluted Concentration Released During Period	µCi/ml	6.37E-10	1.50E-10	2.22E-10	1.79E-10	
	3. Percent of Applicable Limit	%	***	***	***	***	
B.	Tritium						
	1. Total Releases	Curies	1.20E+01**	1.15E+01**	5.44E+00	2.68E+00	6
	2. Average Diluted Concentration Released During Period	µCi/ml	1.75E-07	6.28E-08	8.25E-08	9.72E-08	
	3. Percent of Applicable Limit	%	***	***	***	***	
C.	Dissolved and Entrained Noble Gases						
	1. Total Releases	Curies	7.40E-03**	2.72E-03**	6.28E-04	1.61E-04	8
	2. Average Diluted Concentration Released During Period	µCi/ml	2.67E-11	6.62E-12	9.53E-12	5.84E-12	
	3. Percent of Applicable Limit	%	***	***	***	***	
D.	Gross Alpha Radioactivity						
	1. Total Releases	Curies	ND*	ND	ND	ND	48
	2. Average Diluted Concentration Released During Period	µCi/ml	ND	ND	ND	ND	
E.	Volume of Liquid Waste to Discharge Canal (Prior to dilution)	Liters	5.47E+06	1.23E+07	6.16E+06	2.25E+06	3
F.	Volume of Dilution Water for Period	Liters	2.45E+10	1.51E+11	6.60E+10	2.75E+10	10
G.	Total CCW	Gigagal.	1.44E+02	2.67E+02	2.84E+02	2.83E+02	

*ND -- Not Detected. Dilution flow was not determined for the abnormal release.
**Includes activity from abnormal release.
*** The applicable limit is expressed in terms of dose. See Enclosure 1, Tables 5 through 8.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
LIQUID RELEASES FOR YEAR 2007 - BATCH MODE

	CURIES Isotope (Required by Regulatory (REG) Guide 1.21)	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1.	Ba-140	ND*	ND	ND	ND
2.	Ce-141	ND	ND	ND	ND
3.	Co-58	1.36E-05	3.31E-06	7.88E-05	ND
4.	Co-60	4.98E-03	2.74E-03	1.52E-03	1.29E-03
5.	Cr-51	ND	ND	ND	ND
6.	Cs-134	2.02E-03	3.66E-03	2.19E-03	5.98E-04
7.	Cs-137	7.53E-03	1.57E-02	1.06E-02	2.91E-03
8.	Fe-59	ND	ND	ND	ND
9.	I-131	3.30E-04**	8.44E-05**	ND	ND
10.	La-140	ND	ND	ND	ND
11.	Mn-54	2.61E-04	1.97E-04	1.08E-04	5.19E-05
12.	Mo-99	ND	ND	ND	ND
13.	Nb-95	ND	ND	ND	ND
14.	Sr-89	4.03E-04	ND	ND	ND
15.	Sr-90	ND	ND	ND	ND
16.	Tc-99m	ND	ND	ND	ND
17.	Xe-133	1.13E-03**	8.19E-04**	1.90E-04	1.05E-04
18.	Xe-135	6.27E-03**	1.90E-03**	4.39E-04	5.58E-05
19.	Zn-65	1.28E-04	6.23E-05	ND	ND
20.	Zr-95	ND	ND	ND	ND

.* - Not Detected
**Includes activity for abnormal release.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
LIQUID RELEASES FOR YEAR 2007 - BATCH MODE

	CURIES Isotope	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Others (Not Required by REG Guide 1.21)					
1.	Ag-110m	2.34E-04	1.64E-04	3.37E-05	1.39E-05
2.	As-76	ND*	9.21E-06	ND	ND
3.	Cu-64	ND	2.08E-05	2.73E-05	7.00E-06
4.	F-18	5.78E+00**	1.48E+00**	5.59E-06	1.42E-06
5	Fe-55	ND	ND	ND	5.75E-05
6	I-133	1.96E-03**	5.03E-04**	ND	ND
7	Mn-56	ND	ND	ND	ND
8	Na-24	ND	ND	1.12E-05	ND
9	Nb-97	ND	4.20E-06	ND	ND
10	Ru-106	ND	ND	ND	ND
11	Sr-92	ND	ND	ND	ND
12	Zn-69m	ND	ND	ND	ND
13	La-142	ND	ND	ND	ND
14	Sb-122	ND	2.61E-05	4.73E-06	ND
15	Sb-125	1.33E-05	ND	ND	ND
16	Y-91m	ND	ND	ND	ND
17	Zr-97	ND	ND	ND	ND
18	I-134	6.41E-03**	1.64E-03**		
19	Cs-138	1.09E-02**	2.77E-03**		
20	Rb-89	2.15E-02**	5.51E-03**		

* ND – Not Detected
**Includes activity for abnormal release.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES
YEAR 2007

	Units	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Error %
A. Fission and Activation Gases						
1. Total Releases	Curies	ND**	ND	ND	ND	45
2. Average Release Rate for Period	µCi/sec	ND	ND	ND	ND	
3. Percent of Applicable Limit	%	*	*	*	*	
B. Iodines						
1. Total Iodine-131	Curies	1.66E-04	2.94E-04	3.20E-04	3.25E-04	36
2. Average Release Rate for Period	µCi/sec	2.13E-05	3.74E-05	4.03E-05	4.08E-05	
3. Percent of Applicable Limit	%	*	*	*	*	
C. Particulates						
1. Particulates with half-lives > eight days	Curies	1.26E-04	1.68E-04	1.22E-04	3.99E-04	35
2. Average Release Rate for Period	µCi/sec	1.62E-05	2.13E-05	1.54E-05	5.02E-05	
3. Percent of Applicable Limit	%	*	*	*	*	
4. Gross Alpha Radioactivity	Curies	ND	ND	ND	ND	
D. Tritium						
1. Total Release	Curies	1.90E+00	1.43E+01	1.13E+01	7.13E+00	21
2. Average Release Rate for Period	µCi/sec	2.45E-01	1.82E+00	1.43E+00	8.96E-01	
3. Percent of Applicable Limit	%	*	*	*	*	

*Applicable Limits are expressed in terms of dose. See Enclosure 1, Tables 1 through 4.
**ND – Not Detected.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2007
GASEOUS EFFLUENTS - ELEVATED RELEASE

CURIES	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1. Fission Gases				
Kr-85m	ND*	ND	ND	ND
Kr-85	ND	ND	ND	ND
Kr-87	ND	ND	ND	ND
Kr-88	ND	ND	ND	ND
Xe-133	ND	ND	ND	ND
Xe-135m	ND	ND	ND	ND
Xe-135	ND	ND	ND	ND
Xe-138	ND	ND	ND	ND
Others (specify)				
N-13	ND	ND	ND	ND
Total for Period	ND	ND	ND	ND
2. Iodines				
I-131	6.40E-05	8.00E-05	1.24E-04	1.56E-04
I-133	1.08E-04	2.59E-04	3.66E-04	3.54E-04
Total for Period	1.72E-04	3.39E-04	4.90E-04	5.10E-04

*ND – Not Detected.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2007
GASEOUS EFFLUENTS - ELEVATED RELEASE

	CURIES	Quarter 1	Quarter 2	Quarter 3	Quarter 4
3.	Particulates*				
	Sr-89	1.36E-05	2.13E-05	1.80E-05	2.76E-05
	Sr-90	ND**	ND	ND	ND
	Cs-134	ND	ND	ND	ND
	Cs-137	ND	ND	ND	ND
	Ba-140	5.57E-07	4.91E-06	1.43E-06	ND
	La-140	4.35E-07	1.98E-06	ND	ND
	Others (specify)				
	Rb-89	ND	ND	ND	ND
	Sr-91	ND	ND	ND	ND
	Y-91m	5.63E-05	8.39E-05	ND	8.97E-05
	Cs-138	ND	5.18E-03	ND	ND
	Ba-139	6.52E-03	7.76E-03	2.35E-03	1.20E-02
	Total for Period*	6.59E-03	1.31E-02	2.37E-03	1.21E-02
4.	Tritium	1.65E-01	6.39E-01	1.04E+00	1.10E+00

*Includes all nuclides, even those with less than an eight day half-life.
**ND – Not Detected.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2007
GASEOUS EFFLUENTS - GROUND RELEASE

CURIES	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1. Fission Gases				
Kr-85m	ND*	ND	ND	ND
Kr-85	ND	ND	ND	ND
Kr-87	ND	ND	ND	ND
Kr-88	ND	ND	ND	ND
Xe-133	ND	ND	ND	ND
Xe-135m	ND	ND	ND	ND
Xe-135	ND	ND	ND	ND
Xe-138	ND	ND	ND	ND
Others(specify)				
NONE				
Total for Period	ND	ND	ND	ND
2. Iodines				
I-131	7.25E-05	3.54E-05	3.10E-05	6.70E-05
I-132	ND	ND	ND	ND
I-133	5.85E-05	1.27E-04	1.41E-04	3.67E-04
I-135	ND	ND	ND	ND
Total for Period	1.31E-04	1.62E-04	1.72E-04	4.34E-04

*ND – Not Detected.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2007
GASEOUS EFFLUENTS - GROUND RELEASE

CURIES	Quarter 1	Quarter 2	Quarter 3	Quarter 4
3. Particulates*				
Sr-89	ND**	ND	ND	ND
Sr-90	ND	ND	ND	ND
Cs-134	ND	ND	ND	ND
Cs-137	ND	ND	ND	ND
Ba-140	ND	ND	ND	ND
La-140	ND	ND	ND	ND
Others (specify)				
Y-91m	ND	ND	ND	ND
Cs-138	ND	ND	ND	ND
Ba-139	ND	ND	1.54E-03	ND
Mn-54	ND	ND	ND	ND
Co-58	ND	ND	ND	ND
Cr-51	ND	ND	ND	ND
Total for Period*	ND	ND	1.54E-03	ND
4. Tritium	ND	ND	2.42E-01	1.01E+00

*Include all nuclides even those with less than an eight day half-life.
**ND – Not Detected.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2007
GASEOUS EFFLUENTS - MIXED MODE RELEASE*

	CURIES	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1.	Fission Gases				
	Kr-85m	ND**	ND	ND	ND
	Kr-85	ND	ND	ND	ND
	Kr-87	ND	ND	ND	ND
	Kr-88	ND	ND	ND	ND
	Xe-133	ND	ND	ND	ND
	Xe-135m	ND	ND	ND	ND
	Xe-135	ND	ND	ND	ND
	Xe-138	ND	ND	ND	ND
	Others(specify)				
	NONE				
	Total for Period	ND	ND	ND	ND
2.	Iodines				
	I-131	2.91E-05	1.79E-04	1.65E-04	1.02E-04
	I-133	5.13E-05	1.00E-03	1.39E-03	5.25E-04
	I-135	ND	ND	ND	ND
	Total for Period	8.04E-05	1.18E-03	1.55E-03	6.27E-04

*The Reactor Building and Radwaste Building are treated as split-level releases.
**ND – Not Detected.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2007
GASEOUS EFFLUENTS - MIXED MODE RELEASE*

CURIES	Quarter 1	Quarter 2	Quarter 3	Quarter 4
3. Particulates**				
Sr-89	ND***	ND	ND	ND
Sr-90	ND	ND	ND	ND
Cs-134	ND	ND	ND	ND
Cs-137	1.69E-05	1.93E-05	3.70E-05	1.79E-06
Ba-140	ND	6.86E-06	ND	ND
La-140	ND	ND	ND	ND
Others (specify)	ND	NS	ND	ND
Na-24	ND	ND	2.26E-04	2.66E-04
Cr-51	ND	6.47E-06	ND	ND
Mn-54	1.64E-05	8.13E-06	1.53E-05	7.35E-05
Co-58	ND	ND	2.01E-05	4.82E-05
Co-60	7.53E-05	1.01E-04	3.01E-05	2.27E-04
Zn-65	ND	ND	ND	2.08E-05
Se-75	ND	ND	ND	ND
Y-91m	ND	3.99E-05	1.53E-04	3.94E-05

*The Reactor Building and Radwaste Building are treated as split-level releases.
**Includes all nuclides, even those with less than an eight day half-life.
***ND – Not Detected.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2007
GASEOUS EFFLUENTS - MIXED MODE RELEASE*

CURIES	Quarter	Quarter	Quarter	Quarter
Particulates** (Continued) Others (specify)	1	2	3	4
Mo-99	ND***	ND	ND	ND
Tc-99m	ND	ND	ND	ND
Ag-110m	ND	ND	ND	ND
Cs-138	ND	ND	ND	ND
Ba-139	1.67E-03	5.35E-03	7.75E-04	ND
Mn-56	ND	ND	ND	ND
Sb-124	ND	ND	ND	ND
Zr-95	ND	ND	ND	ND
Nb-95	2.89E-06	ND	ND	ND
Fe-59	ND	ND	ND	ND
Total for Period**	1.79E-03	5.53E-03	1.26E-03	6.77E-04
4. Tritium	1.74E+00	1.36E+01	1.01E+01	5.01E+00

*The Reactor Building and Radwaste Building are treated as split-level releases.
**Includes all nuclides, even those with less than an eight day half-life.
***ND – Not Detected.

BROWNS FERRY NUCLEAR PLANT
ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT
2007
SOLID WASTE AND IRRADIATED FUEL

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

1. Type of Waste	Units	Amount	Error %
a. Spent resins, filters, filter sludge evaporator bottoms, etc.	m^3	7.30E+01	
	Ci	3.56E+03	+/-25.0
b. Dry compressible waste, contaminated equipment, etc.			
1. Shipped from site to processor	m^3	3.29E+03	
	Ci	3.17E+00	+/-25.0
2. Estimated volume sent to burial by waste processor	m^3	1.04E+03	
	Ci	2.65E+01	+/-25.0
c. Irradiated components, control rod blades & LPRMs with fission chambers	m^3	1.14E+01	
	Ci	1.06E+05	+/-25.0
d. Other – Combined packages, fuel pool Components.	m^3	2.78E+02	
	Ci	2.48E+02	+/-25.0

2. Estimate of Major Nuclide Composition by Waste Type

a. Spent resins, filters, filter sludge, evaporator bottoms, etc.

	Nuclide	Percentage	Curies
1)	FE-55	4.16E+01	1.48E+03
2)	CO-60	3.21E+01	1.14E+03
3)	CS-137	1.41E+01	5.03E+02
4)	CS-134	4.44E+00	1.58E+02
5)	MN-54	4.08E+00	1.45E+02
6)	ZN-65	2.06E+00	7.31E+01
7)	NI-63	6.27E-01	2.23E+01
8)	AG-110M	5.99E-01	2.13E+01
9)	CO-58	1.87E-01	6.66E+00
10)	CE-144	9.65E-02	3.43E+00
11)	SR-90	3.01E-02	1.07E+00
12)	PU-241	2.38E-02	8.48E-01
13)	TC-99	1.94E-02	6.91E-01
14)	C-14	8.27E-03	2.94E-01
15)	CR-51	5.37E-03	1.91E-01
16)	H-3	4.53E-03	1.61E-01

	Nuclide	Percentage	Curies
17)	PU-238	9.28E-05	3.30E-03
18)	AM-241	9.22E-05	3.28E-03
19)	CM-243	4.50E-05	1.60E-03
20)	CM-244	4.47E-05	1.59E-03
21)	I-129	3.74E-05	1.33E-03
22)	CM-242	2.46E-05	8.75E-04
23)	PU-239	1.53E-05	5.44E-04
24)	PU-240	1.53E-05	5.44E-04
25)	I-131	2.50E-06	8.89E-05
26)	LA-140	9.14E-07	3.25E-05
27)	CU-64	1.48E-09	5.27E-08

b. Dry compressible waste, contaminated equipment, etc.

1)	FE-55	6.56E+01	2.08E+00
2)	CO-60	1.59E+01	5.03E-01
3)	CS-137	6.44E+00	2.04E-01
4)	MN-54	4.20E+00	1.33E-01
5)	ZN-65	2.95E+00	9.36E-02
6)	CS-134	2.68E+00	8.49E-02
7)	AG-110M	7.86E-01	2.49E-02
8)	CR-51	7.51E-01	2.38E-02
9)	NI-63	6.66E-01	2.11E-02
10)	PU-241	2.03E-02	6.45E-04
11)	H-3	7.89E-03	2.50E-04
12)	AM-241	3.79E-03	1.20E-04
13)	NI-59	1.93E-03	6.13E-05
14)	PU-238	1.89E-03	5.98E-05
15)	CM-243	1.27E-03	4.01E-05
16)	CM-242	1.27E-03	4.01E-05
17)	PU-239	4.42E-04	1.40E-05
18)	PU-240	4.42E-04	1.40E-05
19)	C-14	1.65E-04	5.23E-06
20)	SR-90	9.40E-05	2.98E-06
21)	CM-242	3.41E-06	1.08E-07

c. Irradiated components, Control Rod Blades & LPRMs with fission chambers

	Nuclide	Percentage	Curies
1)	CO-60	4.58E+01	4.87E+04
2)	FE-55	4.56E+01	4.84E+04
3)	NI-63	7.41E+00	7.87E+03
4)	MN-54	1.15E+00	1.22E+03
5)	NI-59	4.52E-02	4.80E+01
6)	C-14	1.24E-02	1.32E+01
7)	H-3	4.40E-03	4.68E+00
8)	CS-137	2.02E-04	2.15E-01
9)	NB-94	1.56E-04	1.66E-01
10)	TC-99	6.84E-05	7.27E-02
11)	PU-238	2.49E-05	2.65E-02
12)	PU-241	2.08E-06	2.21E-03
13)	SR-90	5.80E-07	6.16E-04
14)	AM-241	9.69E-08	1.03E-04
15)	CM-244	4.21E-08	4.47E-05
16)	CM-242	3.58E-08	3.80E-05
17)	CM-243	3.07E-08	3.26E-05
18)	PU-239	2.80E-08	2.98E-05
19)	PU-240	1.93E-08	2.05E-05

d. Other. Combined packages, non-irradiated fuel pool components.

	Nuclide	Percentage	Curies
1)	CO-60	4.48E+01	1.11E+02
2)	FE-55	4.32E+01	1.07E+02
3)	NI-63	4.84E+00	1.20E+01
4)	CS-137	4.12E+00	1.02E+01
5)	CS-134	1.72E+00	4.27E+00
6)	MN-54	6.74E-01	1.67E+00
7)	ZN-65	4.24E-01	1.05E+00
8)	AM-110M	7.50E-02	1.86E-01
9)	CR-51	6.29E-02	1.56E-01
10)	NI-59	2.73E-02	6.77E-02
11)	CO-58	2.30E-02	5.69E-02
12)	TC-99	2.19E-02	5.44E-02
13)	CE-144	1.63E-02	4.03E-02
14)	PU-241	1.25E-02	3.10E-02
15)	C-14	9.00E-03	2.23E-02
16)	SR-90	6.78E-03	1.68E-02
17)	H-3	4.76E-03	1.18E-02
18)	AM-241	2.04E-03	5.05E-03
19)	CM-243	1.34E-03	3.31E-03
20)	I-131	1.10E-03	2.72E-03
21)	PU-238	1.03E-03	2.55E-03
22)	PU-239	4.68E-04	1.16E-03
23)	CU-64	2.64E-04	6.54E-04
24)	MO-99	1.91E-04	4.74E-04
25)	NB-94	9.97E-05	2.47E-04
26)	CM-244	3.04E-05	7.54E-05
27)	TC-99M	1.52E-05	3.76E-05
28)	PU-240	1.06E-05	2.63E-05
29)	CM-242	4.16E-06	1.03E-05
30)	LA-140	4.96E-07	1.23E-06

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
37	HIC/Cask, Sole Use Truck	Barnwell Waste Management Barnwell, SC
74	Sole Use Truck	Duratek
22	Non Sole Use Truck	Duratek Kingston, TN
1	Non Sole Use Truck	TVA - Muscle Shoals Mixed Waste Facility

NOTE: The 37 cask shipments consisted of the following:

Type of HIC	Number of Packages	Volume per Package (m^3)
14-170	2	4.84E+00
8-120	28	3.41E+00
3-55	7	1.63E+00

NOTE: The 97 shipments of waste packaged in general design, specification, or certified packages consisted of the following:

Type of STC	Number of Packages	Volume of Packages (m^3)
40' "Sealand"	22	1.30E+03
20' "Sealand"	71	2.09E+03
Other (Shielded container drums, boxes)	8	1.58E+02

B. Irradiated Fuel Disposition

Number of Shipments	Mode of Transportation	Destination
None	N/A	N/A

BROWNS FERRY NUCLEAR PLANT
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
SUMMARY OF ABNORMAL/UNPLANNED RELEASES
2007

The release of radioactive material to the environment from Browns Ferry has been a small fraction of the 10 CFR 20 Appendix B and 10 CFR 50 Appendix I limits. There were no limits exceeded as specified in 10 CFR 20 Appendix B and 10 CFR 50 Appendix I.

No abnormal gaseous releases occurred in 2007. Two abnormal liquid releases for 2007. One based on tritium identified in groundwater samples and a second due to a leak that allowed Condensate effluent water discharge into Condenser Circulating Water (Problem Evaluation Report 123724).

Onsite groundwater monitoring locations were sampled during the year. These locations were not part of BFN Radiological Environmental Monitoring Program (REMP). The purpose of these shallow wells was to monitor for potential leaks from plant equipment. Trace levels of tritium were detected in two of these monitoring locations. BFN initiated a groundwater study to identify the source of the tritium. Results from a groundwater study completed in June 2006 suggest the source of the tritiated groundwater is associated with the Radwaste/Condensate Transfer tunnel. Water that may leak into the tunnel could egress via expansion joints and/or cracks through the tunnel wall. The highest concentration identified in the groundwater for the year was 12,224 pCi/L. Groundwater and surface water level measurements during the study indicated the return channel and subsequently the Tennessee River will ultimately be recipient to tritiated groundwater discharge from the site. The estimated groundwater/channel water dilution ratio is 1:20,000 at a rate of approximately 0.5 gpm. Using the highest measured tritium concentration in groundwater, (12,224 pCi/L at the source of the plume) the aqueous tritium concentration in the channel would be 0.61 pCi/L. Assuming this concentration and release rate for the entire year results in a release of approximately 1.2E-02 Ci/year. This is a small fraction of the liquid radwaste and gaseous releases for 2007 and would result in a small fraction of the reported dose.

The second leak was discovered on April 23, 2007 while attempting to isolate a leak in the elbow of a Raw Cooling Water line. Isolating the Raw Cooling Water supply line did not isolate the leak. Investigation revealed Condensate cycle water was leaking into the RCW which discharges to the Circulating Water System. The injection water pump was tagged on April 23, 2007, on both the condensate and RCW sides to prevent further release. During repair the leak rate was conservatively estimated at 8.54 gallons per minute. Condensate samples were analyzed and contained primarily short half life nuclides and tritium. The total Effluent Concentration Limit (ECL) ratio after dilution was 8.48E-05. Since the date the leak started could not be determined, a release period from January 1, 2007 until isolation on April 23, 2007 was conservatively assumed for a total release of 1.7 E+01 Curies. Over 99 percent of the curies released were from tritium and short lived F-18. Also present in low concentrations were I-131, I-133, I-134, Cs-138, Rb-89, Xe-133, and Xe-138. This release contributed only a small fraction of the dose reported for the year and was added to the concentrations and dose values reported in first and second quarters.

During the reporting period, January 1 through December 31, 2007, there was one missed compensatory flow measurement. On April 18, 2007 at 09:46 unit 1 reactor building effluent radiation monitor, 1-RM-90-250, was removed from service for maintenance. The ODCM allows the monitor to be removed from service for four hours for functional testing, calibration, or repair without providing, initiating grab sampling, or providing compensatory measures for flow instrumentation. Anticipated return to service within the four hours required and delayed communications and establishing the compensatory sampling resulted in

exceeding the four hour sample flow measurement requirement. The monitor was declared inoperable on April 18, 2007 at 09:46 and the initial flow was obtained at 14:53. The charcoal and particulate sample filters, placed in service on April 18, 2007 and removed on April 24, 2007, did not indicate any detectable activity. There are eleven gaseous release points and the filter sets are changed at least weekly. The sample missed due to the delay is a small fraction of the total release. (PER 123545)

In calendar year 2007, Browns Ferry had no changes to the radwaste system or the Process Control Program (PCP).

ENCLOSURE 4

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 1, 2, AND 3

INOPERABLE RADIOLOGICAL EFFLUENT INSTRUMENTATION REPORT 2007

INOPERABLE RADIOLOGICAL EFFLUENT INSTRUMENTATION REPORT 2007

This report is to comply with Browns Ferry Nuclear Plant Offsite Dose Calculation Manual (Offsite Dose Calculation Manual (ODCM)) Sections 1/2.1.1 and 1/2.1.2. The ODCM requires the exertion of best efforts to return inoperable instruments to operable status within 30 days. Failure to return such instruments to an operable status within the prescribed interval requires a description in the Annual Radioactive Effluent Release Report.

During the reporting period, January 1 through December 31, 2007, there were no radioactive gaseous effluent monitoring instruments out of service for greater than 30 days.

One Raw Cooling Water effluent radiation monitor (2-RM-90-132D) was out of service for greater than 30 days in 2007 due to insufficient flow during unit 2 refueling outage (PER 122196). The 1-RM-90-132 monitor was out-of service from February 22, 2007, until April 10, 2007. One Residual Heat Removal Service Water (RHR SW) monitor (2-RM-90-133D) was inoperable from February 11, 2007, to March 16, 2007 due to failure of the sample pump (PER 121586). A PER action was taken to clarify the priority code requirements for inoperable effluent radiation monitors in the work orders process. All compensatory measures were followed.