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

April 27, 2001

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

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

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 2000

In accordance with 10 CFR 50.36a(a)(2) and the BFN Technical Specification (TS) 5.6.3, TVA submits the BFN ARER report for January through December 2000. 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 provides BFN's inoperable radioactive effluent instrumentation report. Finally, in accordance with the TS Section 5.5.1, TVA is required to submit revisions of the ODCM implemented during the reporting period.

This report consists of the following:

Radiological Impact Assessment Report (Enclosure 1)

Meteorological Data Tables (Enclosure 2)

Effluent and Waste Disposal Annual Report (Enclosure 3)

Inoperable Radiological Effluent Instrumentation Report (Enclosure 4)

ODCM Revision 13 (Enclosure 5)

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There are no commitments contained in this letter. In accordance with NRC RIS 2001-05, only one paper copy of this document is being sent to the NRC Document Control Desk. If you have any questions, please contact me at (256) 729-2636.

Sincerely,

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ENCLOSURE 1

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

RADIOLOGICAL IMPACT ASSESSMENT REPORT
2000

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Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2000

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, i.e., 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 627,000 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 thermoluminescent dosimeters (TLDs) deployed around BFN as part of the offsite Radiological Environmental Monitoring Program (REMP). The quarterly gamma radiation levels determined from these TLDs during this reporting period averaged approximately 16.8 mrem/quarter at onsite (at or near the site boundary) stations and approximately 14.0 mrem/quarter at offsite stations or approximately 2.8 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 TLD 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 dose from effluent releases consists of inhalation, ingestion, and submersion doses. The inhalation dose commitment assumes that site occupancy factors are sufficiently low to compensate for the increase in the atmospheric dispersion above that for the site boundary. The ingestion dose commitments use the pathways and calculated values described previously for beef, milk, and garden vegetable ingestion as well as the dose commitments from liquid effluents. The submersion dose is an external radiation dose commitment from gaseous effluents.

The direct radiation dose was determined from area TLDs 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 7.5 mrem during 2000.

The total annual dose is the sum of the direct radiation dose (7.5 mrem) and the effluent dose commitment (1.4 E-02 mrem) or 7.5 mrem. 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 well below the limit.

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 2000

Table 1
Doses from Airborne Effluents
First Quarter

Individual Doses

Pathway	Dose	Quarterly Limit	Percent of Limit	Location
External				
Gamma Air	2.3E-05 mrad	5 mrad	< 1 %	S/6900 meters
Beta Air	3.4E-05 mrad	10 mrad	< 1 %	S/6900 meters
Submersion				
Total Body	8.4E-04 mrem	NA	NA	N/2000 meters
Skin	9.8E-04 mrem	NA	NA	N/2000 meters
Organ Doses				
Child/Bone	9.9E-03 mrem	7.5 mrem	< 1 %	NNW/1770 meters
Child/Thyroid	1.3E-01 mrem	7.5 mrem	1.7 %	NNW/1770 meters
Child/Total Body	5.2E-03 mrem	7.5 mrem	< 1 %	NNW/1770 meters

Population Doses

Total Body Dose 1.3E-02 man-rem

Maximum Organ Dose (organ) 3.4E-01 man-rem (thyroid)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 56,430 man-rem/year (based on 90 mrem/yr for natural background).

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2000

Table 2
Doses from Airborne Effluents
Second Quarter

Individual Doses

Pathway	Dose	Quarterly Limit	Percent of Limit	Location
External				
Gamma Air	1.3E-04 mrad	5 mrad	< 1 %	N/7300 meters
Beta Air	5.5E-05 mrad	10 mrad	< 1 %	N/7300 meters
Submersion				
Total Body	1.7E-03 mrem	NA	NA	N/2000 meters
Skin	2.0E-03 mrem	NA	NA	N/2000 meters
Organ Doses				
Child/Bone	5.4E-03 mrem	7.5 mrem	< 1 %	NNW/1770 meters
Child/Thyroid	7.7E-02 mrem	7.5 mrem	1.0 %	NNW/1770 meters
Child /Total Body	4.2E-03 mrem	7.5 mrem	< 1 %	NNW/1770 meters

Population Doses

Total Body Dose 1.9E-02 man-rem

Maximum Organ Dose (organ) 3.0E-01 man-rem (thyroid)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 56,430 man-rem/year (based on 90 mrem/yr for natural background).

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2000

Table 3
Doses from Airborne Effluents
Third Quarter

Individual Doses

Pathway	Dose	Quarterly Limit	Percent of Limit	Location
External				
Gamma Air	1.8E-05 mrad	5 mrad	< 1 %	NW/7150 meters
Beta Air	3.1E-05 mrad	10 mrad	< 1 %	NW/7150 meters
Submersion				
Total Body	1.4E-04 mrem	NA	NA	NNW/1639 meters
Skin	1.6E-04 mrem	NA	NA	NNW/1639 meters
Organ Doses				
Child/Bone	4.4E-03 mrem	7.5 mrem	< 1 %	NNW/1770 meters
Child/Thyroid	2.1E-02 mrem	7.5 mrem	< 1 %	NNW/1770 meters
Child/Total Body	2.4E-03 mrem	7.5 mrem	< 1 %	NNW/1770 meters

Population Doses

Total Body Dose 1.2E-02 man-rem

Maximum Organ Dose (organ) 9.2E-02 man-rem (thyroid)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 56,430 man-rem/year (based on 90 mrem/yr for natural background).

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2000

Table 4
Doses from Airborne Effluents
Fourth Quarter

Individual Doses

Pathway	Dose	Quarterly Limit	Percent of Limit	Location
External				
Gamma Air	4.6E-04 mrad	5 mrad	<1 %	WNW/5800 meters
Beta Air	1.5E-04 mrad	10 mrad	<1 %	WNW/5800 meters
Submersion				
Total Body	4.7E-04 mrem	NA	NA	WNW/5470 meters
Skin	6.5E-04 mrem	NA	NA	WNW/5470 meters
Organ Doses				
Child/ Bone	6.1E-03 mrem	7.5 mrem	<1 %	NNW/1770 meters
Child/Thyroid	2.4E-02 mrem	7.5 mrem	<1 %	NNW/1770 meters
Child /Total Body	2.4E-03 mrem	7.5 mrem	<1 %	NNW/1770 meters

Population Doses

Total Body Dose 2.3E-02 man-rem

Maximum Organ Dose (organ) 9.2E-02 man-rem (thyroid)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 56,430 man-rem/year (based on 90 mrem/yr for natural background).

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2000

Table 5
Doses from Liquid Effluents
First Quarter*

Individual Doses (mrem)

Age Group	Organ	Dose Pathway	Dose	Quarterly Limit	Percent of Limit
	Total Body	Fish Ingestion	0		
		Recreation	0		
		Water Ingestion	0		
		Total	**0**	1.5 mrem	0 %
	Liver	Fish Ingestion	0		
		Recreation	0		
		Water Ingestion	0		
		Total	**0**	5 mrem	0 %
	Thyroid	Fish Ingestion	0		
		Recreation	0		
		Water Ingestion	0		
		Total	**0**	5 mrem	0 %

***No liquid releases were made this quarter.**

Average Riverflow past BFN (cubic feet per second): 29871

Population Doses

Total Body Dose 0 man-rem

Maximum Organ Dose (organ) 0 man-rem (organ)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 56,430 man-rem/year (based on 90 mrem/yr for natural background).

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2000

Table 6
Doses from Liquid Effluents
Second Quarter*

Individual Doses (mrem)

Age Group	Organ	Dose Pathway	Dose	Quarterly Limit	Percent of Limit
	Total Body	Fish Ingestion	0		
		Recreation	0		
		Water Ingestion	0		
		Total	**0**	1.5 mrem	0 %
	Liver	Fish Ingestion	0		
		Recreation	0		
		Water Ingestion	0		
		Total	**0**	5 mrem	0 %
	Thyroid	Fish Ingestion	0		
		Recreation	0		
		Water Ingestion	0		
		Total	**0**	5 mrem	0 %

***No liquid releases were made this quarter.**

Average Riverflow past BFN (cubic feet per second): 29834

Population Doses

Total Body Dose 0 man-rem

Maximum Organ Dose (organ) 0 man-rem (organ)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 56,430 man-rem/year (based on 90 mrem/yr for natural background).

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2000

Table 7
Doses from Liquid Effluents
Third Quarter

Individual Doses (mrem)

Age Group	Organ	Dose Pathway	Dose	Quarterly Limit	Percent of Limit
	Total Body	Fish Ingestion	0		
		Recreation	0		
		Water Ingestion	0		
		Total	**0**	1.5 mrem	0 %
	Liver	Fish Ingestion	0		
		Recreation	0		
		Water Ingestion	0		
		Total	**0**	5 mrem	0 %
	Thyroid	Fish Ingestion	0		
		Recreation	0		
		Water Ingestion	0		
		Total	**0**	5 mrem	0 %

***No liquid releases were made this quarter.**

Average Riverflow past BFN (cubic feet per second): 23984

Population Doses

Total Body Dose 0 man-rem

Maximum Organ Dose (organ) 0 man-rem (organ)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 56,430 man-rem/year (based on 90 mrem/yr for natural background).

Radiological Impact Assessment
Browns Ferry Nuclear Plant
January - December 2000

Table 8
Doses from Liquid Effluents
Fourth Quarter

Individual Doses (mrem)

Age Group	Organ	Dose Pathway	Dose	Quarterly Limit	Percent of Limit
	Total Body	Fish Ingestion	0		
		Recreation	0		
		Water Ingestion	0		
		Total	**0**	1.5 mrem	0 %
	Liver	Fish Ingestion	0		
		Recreation	0		
		Water Ingestion	0		
		Total	**0**	5 mrem	0 %
	Thyroid	Fish Ingestion	0		
		Recreation	0		
		Water Ingestion	0		
		Total	**0**	5 mrem	0 %

***No liquid releases were made this quarter.**

Average Riverflow past BFN (cubic feet per second): 28359

Population Doses

Total Body Dose 0 man-rem

Maximum Organ Dose (organ) 0 man-rem (organ)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 56,430 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	8.4E-04	1.7E-03	1.4E-04	4.7E-04	
Critical organ dose (air)	9.9E-03	5.4E-03	4.4E-03	6.1E-03	
Total body dose (liquid)	0	0	0	0	
Maximum organ dose (liquid)	0	0	0	0	
Direct Radiation Dose	0	0	0	0	
Total	**1.1E-02**	**7.1E-03**	**4.5E-03**	**6.6E-03**	
Cumulative Total Dose (mrem) (Total body or any other organ)					**2.9E-02**
Annual Dose Limit (mrem)					**2.5E+01**
Percent of Limit					**< 1 %**
Thyroid Dose (mrem)					
Total body air submersion	8.4E-04	1.7E-03	1.4E-04	4.7E-04	
Thyroid dose (airborne)	1.3E-01	7.7E-02	2.1E-02	2.4E-02	
Total body dose (liquid)	0	0	0	0	
Thyroid dose (liquid)	0	0	0	0	
Direct Radiation Dose	0	0	0	0	
Total	**1.3E-01**	**7.9E-02**	**2.1E-02**	**2.4E-02**	
Cumulative Total Dose (Thyroid) mrem					**2.5E-01**
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

METEOROLIGICAL DATA TABLES
2000

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - MAR 31, 2000

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	0.189	0.189	0.095	0.000	0.000	0.474
NNE	0.000	0.000	0.000	0.047	0.189	0.332	0.000	0.000	0.000	0.568
NE	0.000	0.000	0.000	0.000	0.000	0.189	0.000	0.000	0.000	0.189
ENE	0.000	0.000	0.000	0.000	0.047	0.095	0.000	0.000	0.000	0.142
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	0.142	0.095	0.047	0.000	0.000	0.000	0.284
SE	0.000	0.000	0.000	0.663	0.900	0.284	0.000	0.000	0.000	1.847
SSE	0.000	0.000	0.095	0.663	0.142	0.047	0.000	0.000	0.000	0.947
S	0.000	0.000	0.047	0.805	0.189	0.000	0.000	0.000	0.000	1.042
SSW	0.000	0.000	0.000	0.284	0.000	0.000	0.000	0.000	0.000	0.284
SW	0.000	0.000	0.000	0.237	0.047	0.000	0.000	0.000	0.000	0.284
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	0.047	0.000	0.000	0.000	0.000	0.047
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.047	0.000	0.095
NNW	0.000	0.000	0.000	0.000	0.047	0.095	0.095	0.000	0.000	0.237
SUBTOTAL	0.000	0.000	0.142	2.842	1.895	1.279	0.237	0.047	0.000	6.442

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2164
TOTAL HOURS OF STABILITY CLASS A	137
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	136
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2111
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 10.42 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 6.43

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, 2000 - MAR 31, 2000

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	0.142	0.142	0.047	0.000	0.000	0.379
NNE	0.000	0.000	0.000	0.142	0.189	0.095	0.000	0.000	0.000	0.426
NE	0.000	0.000	0.000	0.047	0.047	0.237	0.000	0.000	0.000	0.332
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	0.095	0.000	0.000	0.000	0.000	0.095
ESE	0.000	0.000	0.000	0.047	0.047	0.000	0.000	0.000	0.000	0.095
SE	0.000	0.000	0.000	0.142	0.000	0.000	0.000	0.000	0.000	0.142
SSE	0.000	0.000	0.142	0.142	0.095	0.000	0.000	0.000	0.000	0.379
S	0.000	0.000	0.095	0.047	0.000	0.000	0.000	0.000	0.000	0.142
SSW	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.047
SW	0.000	0.000	0.095	0.047	0.000	0.000	0.000	0.000	0.000	0.142
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	0.095	0.000	0.142
NW	0.000	0.000	0.000	0.000	0.095	0.095	0.142	0.000	0.000	0.332
NNW	0.000	0.000	0.000	0.000	0.142	0.189	0.142	0.000	0.000	0.474
SUBTOTAL	0.000	0.000	0.332	0.711	0.853	0.758	0.379	0.095	0.000	3.126

TOTAL HOURS OF VALID STABILITY OBSERVATIONS 2164
TOTAL HOURS OF STABILITY CLASS B 66
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B 66
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS 2111
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 10.42 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 7.70

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, 2000 - MAR 31, 2000

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	0.332	0.095	0.000	0.000	0.000	0.474
NNE	0.000	0.000	0.047	0.142	0.142	0.237	0.000	0.000	0.000	0.568
NE	0.000	0.000	0.000	0.047	0.095	0.189	0.000	0.000	0.000	0.332
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	0.047	0.000	0.000	0.000	0.000	0.095
ESE	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.047
SE	0.000	0.000	0.000	0.284	0.000	0.000	0.000	0.000	0.000	0.284
SSE	0.000	0.000	0.000	0.237	0.000	0.000	0.000	0.000	0.000	0.237
S	0.000	0.000	0.047	0.095	0.000	0.000	0.000	0.000	0.000	0.142
SSW	0.000	0.000	0.047	0.095	0.000	0.000	0.000	0.000	0.000	0.142
SW	0.000	0.000	0.000	0.189	0.047	0.000	0.000	0.000	0.000	0.237
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	0.047	0.047	0.000	0.000	0.000	0.095
WNW	0.000	0.000	0.000	0.047	0.095	0.189	0.047	0.047	0.000	0.426
NW	0.000	0.000	0.000	0.142	0.142	0.284	0.189	0.000	0.000	0.758
NNW	0.000	0.000	0.000	0.047	0.047	0.095	0.095	0.000	0.000	0.284
SUBTOTAL	0.000	0.000	0.142	1.468	1.042	1.137	0.332	0.047	0.000	4.169

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2164
TOTAL HOURS OF STABILITY CLASS C	88
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	88
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2111
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 10.42 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 7.24

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, 2000 - MAR 31, 2000

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	0.189	0.332	0.521	0.805	0.379	0.000	0.000	2.226
NNE	0.000	0.000	0.095	0.379	0.758	0.805	0.000	0.000	0.000	2.037
NE	0.000	0.047	0.142	0.711	1.137	0.521	0.000	0.000	0.000	2.558
ENE	0.000	0.047	0.237	0.474	0.521	0.095	0.000	0.000	0.000	1.374
E	0.000	0.000	0.142	0.426	0.189	0.000	0.000	0.000	0.000	0.758
ESE	0.000	0.000	0.284	0.474	0.189	0.047	0.000	0.000	0.000	0.995
SE	0.000	0.000	0.426	0.332	0.237	0.474	0.000	0.000	0.000	1.468
SSE	0.000	0.000	0.853	0.284	0.095	0.095	0.000	0.000	0.000	1.326
S	0.000	0.047	0.426	1.042	0.474	0.095	0.000	0.000	0.000	2.084
SSW	0.000	0.047	0.189	0.284	0.189	0.000	0.000	0.000	0.000	0.711
SW	0.000	0.000	0.189	0.332	0.047	0.000	0.000	0.000	0.000	0.568
WSW	0.000	0.000	0.284	0.189	0.142	0.142	0.000	0.000	0.000	0.758
W	0.000	0.000	0.379	0.758	0.568	0.474	0.047	0.000	0.000	2.226
WNW	0.000	0.000	0.142	0.616	0.853	1.042	0.284	0.095	0.000	3.032
NW	0.000	0.047	0.047	0.332	0.711	1.942	2.179	0.142	0.000	5.400
NNW	0.000	0.000	0.474	0.332	0.521	2.748	0.758	0.000	0.000	4.832
SUBTOTAL	0.000	0.237	4.500	7.295	7.153	9.285	3.648	0.237	0.000	32.354

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2164
TOTAL HOURS OF STABILITY CLASS D	725
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	683
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2111
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 10.42 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 7.30

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, 2000 - MAR 31, 2000

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	0.095	0.521	0.711	0.379	0.379	0.000	0.000	0.000	2.084
NNE	0.000	0.047	0.521	1.090	0.568	0.521	0.000	0.000	0.000	2.748
NE	0.000	0.095	0.189	0.521	0.521	0.379	0.000	0.000	0.000	1.705
ENE	0.000	0.047	0.426	0.332	0.237	0.047	0.000	0.000	0.000	1.090
E	0.000	0.284	0.663	0.379	0.047	0.000	0.000	0.000	0.000	1.374
ESE	0.000	0.047	0.521	0.284	0.142	0.095	0.000	0.000	0.000	1.090
SE	0.000	0.142	0.758	0.521	0.426	0.189	0.000	0.000	0.000	2.037
SSE	0.000	0.237	0.758	0.521	0.095	0.047	0.000	0.000	0.000	1.658
S	0.000	0.142	0.568	1.279	0.568	0.426	0.047	0.000	0.000	3.032
SSW	0.000	0.142	0.616	0.379	0.237	0.000	0.000	0.000	0.000	1.374
SW	0.000	0.047	0.237	0.142	0.000	0.047	0.000	0.000	0.000	0.474
WSW	0.000	0.000	0.379	0.237	0.095	0.142	0.000	0.000	0.000	0.853
W	0.000	0.095	0.426	0.521	0.189	0.189	0.047	0.000	0.000	1.468
WNW	0.000	0.000	0.095	0.237	0.142	0.189	0.047	0.000	0.000	0.711
NW	0.000	0.000	0.284	0.379	0.142	0.474	0.000	0.000	0.000	1.279
NNW	0.000	0.047	0.474	0.900	0.521	0.426	0.047	0.000	0.000	2.416
SUBTOTAL	0.000	1.468	7.437	8.432	4.311	3.553	0.189	0.000	0.000	25.391

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2164
TOTAL HOURS OF STABILITY CLASS E	540
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	536
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2111
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 10.42 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 4.80

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

JAN 1, 2000 - MAR 31, 2000

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	0.002	0.047	0.237	0.332	0.000	0.000	0.000	0.000	0.000	0.617
NNE	0.001	0.000	0.142	0.189	0.189	0.000	0.000	0.000	0.000	0.522
NE	0.002	0.047	0.284	0.142	0.189	0.095	0.000	0.000	0.000	0.760
ENE	0.001	0.000	0.189	0.332	0.047	0.000	0.000	0.000	0.000	0.570
E	0.005	0.189	0.663	0.142	0.000	0.000	0.000	0.000	0.000	1.000
ESE	0.005	0.095	0.805	0.189	0.000	0.000	0.000	0.000	0.000	1.095
SE	0.011	0.284	1.705	0.521	0.095	0.000	0.000	0.000	0.000	2.616
SSE	0.010	0.332	1.468	0.758	0.000	0.000	0.000	0.000	0.000	2.568
S	0.006	0.142	0.853	0.711	1.232	0.900	0.000	0.000	0.000	3.843
SSW	0.002	0.047	0.284	0.237	0.142	0.000	0.000	0.000	0.000	0.712
SW	0.001	0.047	0.142	0.047	0.000	0.000	0.000	0.000	0.000	0.238
WSW	0.000	0.000	0.047	0.000	0.047	0.000	0.000	0.000	0.000	0.095
W	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048
WNW	0.000	0.000	0.047	0.000	0.000	0.047	0.000	0.000	0.000	0.095
NW	0.001	0.000	0.095	0.142	0.000	0.000	0.000	0.000	0.000	0.237
NNW	0.002	0.000	0.284	0.900	0.095	0.000	0.000	0.000	0.000	1.281
SUBTOTAL	0.047	1.279	7.248	4.642	2.037	1.042	0.000	0.000	0.000	16.296

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2164
TOTAL HOURS OF STABILITY CLASS F	348
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	344
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2111
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 10.42 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 3.78

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, 2000 - MAR 31, 2000

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	0.015	0.047	0.521	0.189	0.000	0.000	0.000	0.000	0.000	0.773
NNE	0.015	0.237	0.332	0.332	0.047	0.000	0.000	0.000	0.000	0.962
NE	0.009	0.000	0.332	0.095	0.000	0.000	0.000	0.000	0.000	0.435
ENE	0.011	0.047	0.379	0.000	0.000	0.000	0.000	0.000	0.000	0.437
E	0.012	0.095	0.379	0.095	0.000	0.000	0.000	0.000	0.000	0.581
ESE	0.010	0.189	0.189	0.000	0.000	0.000	0.000	0.000	0.000	0.389
SE	0.020	0.379	0.379	0.047	0.000	0.000	0.000	0.000	0.000	0.825
SSE	0.089	0.284	3.126	0.853	0.047	0.047	0.000	0.000	0.000	4.447
S	0.028	0.142	0.947	0.663	0.237	0.047	0.000	0.000	0.000	2.065
SSW	0.002	0.000	0.095	0.047	0.000	0.000	0.000	0.000	0.000	0.145
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.002	0.095	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.097
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.001	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049
NW	0.005	0.142	0.047	0.047	0.000	0.000	0.000	0.000	0.000	0.242
NNW	0.017	0.189	0.474	0.095	0.000	0.000	0.000	0.000	0.000	0.775
SUBTOTAL	0.237	1.895	7.200	2.463	0.332	0.095	0.000	0.000	0.000	12.222

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2164
TOTAL HOURS OF STABILITY CLASS G	260
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	258
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2111
TOTAL HOURS CALM	5

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.42 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 2.66

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - JUN 30, 2000

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	0.505	0.092	0.000	0.000	0.643
NNE	0.000	0.000	0.000	0.000	0.000	0.413	0.046	0.000	0.000	0.459
NE	0.000	0.000	0.000	0.000	0.046	0.230	0.046	0.000	0.000	0.321
ENE	0.000	0.000	0.000	0.000	0.046	0.138	0.000	0.000	0.000	0.184
E	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.046
ESE	0.000	0.000	0.046	0.230	0.184	0.000	0.000	0.000	0.000	0.459
SE	0.000	0.000	0.505	2.066	0.046	0.000	0.000	0.000	0.000	2.617
SSE	0.000	0.000	0.643	0.735	0.000	0.000	0.000	0.000	0.000	1.377
S	0.000	0.000	0.643	1.240	0.138	0.000	0.000	0.000	0.000	2.020
SSW	0.000	0.000	0.459	1.194	0.230	0.000	0.000	0.000	0.000	1.882
SW	0.000	0.000	0.000	0.551	0.000	0.000	0.000	0.000	0.000	0.551
WSW	0.000	0.000	0.000	0.092	0.092	0.000	0.000	0.000	0.000	0.184
W	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.046
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.138	0.000	0.000	0.138
NW	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.046
NNW	0.000	0.000	0.000	0.000	0.000	0.230	0.046	0.000	0.000	0.275
SUBTOTAL	0.000	0.000	2.296	6.107	0.872	1.607	0.367	0.000	0.000	11.249

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2179
TOTAL HOURS OF STABILITY CLASS A	245
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	245
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2178
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 10.42 METER LEVEL

DATE PRINTED: 20000811

MEAN WIND SPEED = 5.30

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, 2000 - JUN 30, 2000

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	0.138	0.184	0.046	0.000	0.000	0.367
NNE	0.000	0.000	0.000	0.046	0.092	0.092	0.000	0.000	0.000	0.230
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	0.046	0.046	0.000	0.000	0.000	0.000	0.000	0.092
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	0.230	0.184	0.000	0.000	0.000	0.000	0.000	0.413
SSE	0.000	0.000	0.367	0.184	0.000	0.000	0.000	0.000	0.000	0.551
S	0.000	0.000	0.505	0.138	0.138	0.000	0.000	0.000	0.000	0.781
SSW	0.000	0.000	0.230	0.826	0.092	0.000	0.000	0.000	0.000	1.148
SW	0.000	0.000	0.000	0.184	0.000	0.000	0.000	0.000	0.000	0.184
WSW	0.000	0.000	0.046	0.092	0.184	0.000	0.000	0.000	0.000	0.321
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	0.000	0.046	0.184	0.138	0.000	0.367
NW	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.046
NNW	0.000	0.000	0.000	0.046	0.046	0.321	0.046	0.000	0.000	0.459
SUBTOTAL	0.000	0.000	1.423	1.745	0.735	0.689	0.275	0.138	0.000	5.005

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2179
TOTAL HOURS OF STABILITY CLASS B	109
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	109
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2178
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 10.42 METER LEVEL

DATE PRINTED: 20000811

MEAN WIND SPEED = 5.95

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, 2000 - JUN 30, 2000

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	0.046	0.000	0.000	0.000	0.138
NNE	0.000	0.000	0.000	0.046	0.000	0.092	0.000	0.000	0.000	0.138
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	0.046	0.046	0.000	0.000	0.000	0.000	0.000	0.092
ESE	0.000	0.000	0.000	0.092	0.046	0.000	0.000	0.000	0.000	0.138
SE	0.000	0.000	0.275	0.184	0.000	0.000	0.000	0.000	0.000	0.459
SSE	0.000	0.000	0.275	0.046	0.000	0.000	0.000	0.000	0.000	0.321
S	0.000	0.000	0.413	0.092	0.046	0.000	0.000	0.000	0.000	0.551
SSW	0.000	0.000	0.321	0.184	0.275	0.000	0.000	0.000	0.000	0.781
SW	0.000	0.000	0.275	0.275	0.000	0.000	0.000	0.000	0.000	0.551
WSW	0.000	0.000	0.092	0.459	0.367	0.046	0.000	0.000	0.000	0.964
W	0.000	0.000	0.000	0.367	0.138	0.046	0.000	0.000	0.000	0.551
WNW	0.000	0.000	0.000	0.092	0.000	0.092	0.138	0.000	0.000	0.321
NW	0.000	0.000	0.000	0.000	0.046	0.413	0.321	0.046	0.000	0.826
NNW	0.000	0.000	0.000	0.046	0.092	0.230	0.138	0.000	0.000	0.505
SUBTOTAL	0.000	0.000	1.699	1.928	1.102	0.964	0.597	0.046	0.000	6.336

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2179
TOTAL HOURS OF STABILITY CLASS C	138
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	138
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2178
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 10.42 METER LEVEL

DATE PRINTED: 20000811

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

Browns Ferry Nuclear Plant

APR 1, 2000 - JUN 30, 2000

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	0.184	0.551	0.459	0.184	0.000	0.000	0.000	1.423
NNE	0.000	0.000	0.230	0.459	0.184	0.597	0.000	0.000	0.000	1.469
NE	0.000	0.000	0.138	0.459	0.184	0.046	0.000	0.000	0.000	0.826
ENE	0.000	0.000	0.092	0.230	0.000	0.000	0.000	0.000	0.000	0.321
E	0.000	0.000	0.184	0.275	0.046	0.000	0.000	0.000	0.000	0.505
ESE	0.000	0.046	0.643	0.505	0.505	0.046	0.000	0.000	0.000	1.745
SE	0.000	0.000	1.148	0.367	0.092	0.000	0.000	0.000	0.000	1.607
SSE	0.000	0.000	1.515	0.321	0.046	0.000	0.000	0.000	0.000	1.882
S	0.000	0.046	2.296	1.561	0.367	0.000	0.000	0.000	0.000	4.270
SSW	0.000	0.000	0.505	1.699	0.597	0.000	0.000	0.000	0.000	2.801
SW	0.000	0.000	0.597	0.459	0.046	0.000	0.000	0.000	0.000	1.102
WSW	0.000	0.046	1.194	1.056	0.505	0.184	0.000	0.000	0.000	2.984
W	0.000	0.000	0.459	1.469	0.735	0.918	0.046	0.000	0.000	3.627
WNW	0.000	0.000	0.138	0.459	0.597	0.964	0.367	0.000	0.000	2.525
NW	0.000	0.000	0.138	0.321	0.597	1.653	1.056	0.321	0.000	4.086
NNW	0.000	0.000	0.138	0.505	0.643	0.872	0.138	0.000	0.000	2.296
SUBTOTAL	0.000	0.184	9.596	10.698	5.601	5.464	1.607	0.321	0.000	33.471

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2179
TOTAL HOURS OF STABILITY CLASS D	730
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	729
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2178
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 10.42 METER LEVEL

DATE PRINTED: 20000811

MEAN WIND SPEED = 5.63

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, 2000 - JUN 30, 2000

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	0.459	0.230	0.000	0.000	0.000	0.000	0.000	0.735
NNE	0.000	0.000	0.275	0.367	0.138	0.046	0.000	0.000	0.000	0.826
NE	0.000	0.046	0.138	0.275	0.092	0.000	0.000	0.000	0.000	0.551
ENE	0.000	0.184	0.597	0.046	0.046	0.000	0.000	0.000	0.000	0.872
E	0.000	0.230	0.689	0.643	0.000	0.000	0.000	0.000	0.000	1.561
ESE	0.000	0.184	2.066	0.826	0.505	0.138	0.000	0.000	0.000	3.719
SE	0.000	0.689	1.331	0.230	0.000	0.000	0.000	0.000	0.000	2.250
SSE	0.000	0.551	1.194	0.275	0.000	0.000	0.000	0.000	0.000	2.020
S	0.000	0.367	1.882	1.377	0.367	0.092	0.000	0.000	0.000	4.086
SSW	0.000	0.275	0.781	0.872	0.505	0.138	0.000	0.000	0.000	2.571
SW	0.000	0.046	0.321	0.092	0.000	0.000	0.000	0.000	0.000	0.459
WSW	0.000	0.092	0.321	0.184	0.046	0.000	0.000	0.000	0.000	0.643
W	0.000	0.092	0.459	0.230	0.138	0.000	0.000	0.000	0.000	0.918
WNW	0.000	0.046	0.138	0.275	0.046	0.138	0.046	0.000	0.000	0.689
NW	0.000	0.046	0.046	0.275	0.321	0.184	0.046	0.000	0.000	0.918
NNW	0.000	0.046	0.230	0.643	0.597	0.321	0.000	0.000	0.000	1.837
SUBTOTAL	0.000	2.938	10.927	6.841	2.801	1.056	0.092	0.000	0.000	24.656

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2179
TOTAL HOURS OF STABILITY CLASS E	537
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	537
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2178
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 10.42 METER LEVEL

DATE PRINTED: 20000811

MEAN WIND SPEED = 3.55

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

APR 1, 2000 - JUN 30, 2000

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	0.025	0.046	0.551	0.735	0.046	0.000	0.000	0.000	0.000	1.402
NNE	0.019	0.092	0.367	0.505	0.092	0.000	0.000	0.000	0.000	1.075
NE	0.021	0.321	0.184	0.138	0.000	0.000	0.000	0.000	0.000	0.664
ENE	0.036	0.230	0.643	0.046	0.000	0.000	0.000	0.000	0.000	0.955
E	0.052	0.184	1.056	0.230	0.000	0.000	0.000	0.000	0.000	1.521
ESE	0.063	0.230	1.286	0.000	0.000	0.000	0.000	0.000	0.000	1.578
SE	0.038	0.367	0.551	0.000	0.000	0.000	0.000	0.000	0.000	0.957
SSE	0.027	0.321	0.321	0.000	0.000	0.000	0.000	0.000	0.000	0.670
S	0.034	0.138	0.689	0.138	0.138	0.000	0.000	0.000	0.000	1.136
SSW	0.015	0.138	0.230	0.000	0.000	0.000	0.000	0.000	0.000	0.383
SW	0.006	0.138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.143
WSW	0.002	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.048
W	0.002	0.000	0.046	0.046	0.000	0.000	0.000	0.000	0.000	0.094
WNW	0.004	0.000	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.096
NW	0.013	0.046	0.275	0.046	0.092	0.000	0.000	0.000	0.000	0.473
NNW	0.010	0.046	0.184	0.092	0.046	0.046	0.000	0.000	0.000	0.423
SUBTOTAL	0.367	2.296	6.520	1.974	0.413	0.046	0.000	0.000	0.000	11.616

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2179
TOTAL HOURS OF STABILITY CLASS F	253
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	253
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2178
TOTAL HOURS CALM	8

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.42 METER LEVEL

DATE PRINTED: 20000811

MEAN WIND SPEED = 2.53

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, 2000 - JUN 30, 2000

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	0.082	0.413	0.413	0.230	0.000	0.000	0.000	0.000	0.000	1.138
NNE	0.068	0.551	0.138	0.046	0.000	0.000	0.000	0.000	0.000	0.803
NE	0.064	0.321	0.321	0.000	0.000	0.000	0.000	0.000	0.000	0.707
ENE	0.082	0.230	0.597	0.092	0.000	0.000	0.000	0.000	0.000	1.000
E	0.068	0.184	0.505	0.046	0.000	0.000	0.000	0.000	0.000	0.803
ESE	0.023	0.138	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.252
SE	0.014	0.092	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.151
SSE	0.050	0.321	0.184	0.000	0.000	0.000	0.000	0.000	0.000	0.555
S	0.018	0.092	0.092	0.092	0.000	0.000	0.000	0.000	0.000	0.294
SSW	0.009	0.046	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.101
SW	0.005	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.005	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.050	0.321	0.184	0.046	0.000	0.000	0.000	0.000	0.000	0.601
NNW	0.105	0.551	0.505	0.000	0.000	0.000	0.000	0.000	0.000	1.161
SUBTOTAL	0.643	3.352	3.122	0.551	0.000	0.000	0.000	0.000	0.000	7.668

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2179
TOTAL HOURS OF STABILITY CLASS G	167
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	167
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2178
TOTAL HOURS CALM	14

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.42 METER LEVEL

DATE PRINTED: 20000811

MEAN WIND SPEED = 1.64

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - SEP 30, 2000

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	1.343	0.046	0.000	0.000	1.390
NNE	0.000	0.000	0.000	0.000	0.046	1.760	0.139	0.000	0.000	1.945
NE	0.000	0.000	0.000	0.000	0.093	0.278	0.046	0.000	0.000	0.417
ENE	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
E	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
ESE	0.000	0.000	0.000	0.093	0.648	0.324	0.000	0.000	0.000	1.065
SE	0.000	0.000	0.139	1.343	0.787	0.093	0.000	0.000	0.000	2.362
SSE	0.000	0.000	0.185	1.667	0.139	0.000	0.000	0.000	0.000	1.992
S	0.000	0.000	0.417	1.899	0.000	0.000	0.000	0.000	0.000	2.316
SSW	0.000	0.000	0.185	0.556	0.093	0.000	0.000	0.000	0.000	0.834
SW	0.000	0.000	0.046	0.093	0.046	0.000	0.000	0.000	0.000	0.185
WSW	0.000	0.000	0.000	0.139	0.046	0.000	0.000	0.000	0.000	0.185
W	0.000	0.000	0.000	0.093	0.185	0.000	0.000	0.000	0.000	0.278
WNW	0.000	0.000	0.000	0.000	0.000	0.046	0.093	0.000	0.000	0.139
NW	0.000	0.000	0.000	0.000	0.000	0.185	0.046	0.000	0.000	0.232
NNW	0.000	0.000	0.000	0.000	0.046	0.000	0.046	0.000	0.000	0.093
SUBTOTAL	0.000	0.000	0.973	5.975	2.131	4.030	0.417	0.000	0.000	13.525

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2162
TOTAL HOURS OF STABILITY CLASS A	292
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	292
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2159
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 10.42 METER LEVEL

DATE PRINTED: 20001121

MEAN WIND SPEED = 6.44

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, 2000 - SEP 30, 2000

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	0.371	0.324	0.046	0.000	0.000	0.787
NNE	0.000	0.000	0.000	0.046	0.093	0.324	0.000	0.000	0.000	0.463
NE	0.000	0.000	0.000	0.000	0.093	0.139	0.000	0.000	0.000	0.232
ENE	0.000	0.000	0.000	0.046	0.093	0.046	0.000	0.000	0.000	0.185
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	0.139	0.185	0.046	0.000	0.000	0.000	0.371
SE	0.000	0.000	0.093	0.185	0.046	0.000	0.000	0.000	0.000	0.324
SSE	0.000	0.000	0.278	0.185	0.046	0.000	0.000	0.000	0.000	0.509
S	0.000	0.000	0.232	0.093	0.000	0.000	0.000	0.000	0.000	0.324
SSW	0.000	0.000	0.093	0.093	0.000	0.000	0.000	0.000	0.000	0.185
SW	0.000	0.000	0.000	0.139	0.000	0.000	0.000	0.000	0.000	0.139
WSW	0.000	0.000	0.000	0.139	0.139	0.000	0.000	0.000	0.000	0.278
W	0.000	0.000	0.000	0.278	0.278	0.000	0.000	0.000	0.000	0.556
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	0.046	0.093	0.139	0.000	0.000	0.000	0.278
NNW	0.000	0.000	0.000	0.046	0.046	0.324	0.000	0.000	0.000	0.417
SUBTOTAL	0.000	0.000	0.695	1.482	1.482	1.390	0.046	0.000	0.000	5.095

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2162
TOTAL HOURS OF STABILITY CLASS B	112
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	110
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2159
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 10.42 METER LEVEL

DATE PRINTED: 20001121

MEAN WIND SPEED = 6.20

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, 2000 - SEP 30, 2000

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	0.093	0.139	0.000	0.000	0.000	0.278
NNE	0.000	0.000	0.000	0.139	0.371	0.185	0.000	0.000	0.000	0.695
NE	0.000	0.000	0.000	0.046	0.046	0.185	0.000	0.000	0.000	0.278
ENE	0.000	0.000	0.000	0.000	0.046	0.046	0.000	0.000	0.000	0.093
E	0.000	0.000	0.046	0.139	0.000	0.000	0.000	0.000	0.000	0.185
ESE	0.000	0.000	0.000	0.232	0.000	0.000	0.000	0.000	0.000	0.232
SE	0.000	0.000	0.139	0.093	0.000	0.000	0.000	0.000	0.000	0.232
SSE	0.000	0.000	0.139	0.185	0.000	0.000	0.000	0.000	0.000	0.324
S	0.000	0.000	0.324	0.046	0.000	0.000	0.000	0.000	0.000	0.371
SSW	0.000	0.000	0.139	0.093	0.093	0.000	0.000	0.000	0.000	0.324
SW	0.000	0.000	0.232	0.139	0.000	0.000	0.000	0.000	0.000	0.371
WSW	0.000	0.000	0.000	0.232	0.000	0.000	0.000	0.000	0.000	0.232
W	0.000	0.000	0.000	0.185	0.139	0.000	0.000	0.000	0.000	0.324
WNW	0.000	0.000	0.000	0.000	0.185	0.232	0.046	0.000	0.000	0.463
NW	0.000	0.000	0.000	0.046	0.232	0.185	0.000	0.000	0.000	0.463
NNW	0.000	0.000	0.000	0.093	0.046	0.324	0.000	0.000	0.000	0.463
SUBTOTAL	0.000	0.000	1.019	1.714	1.251	1.297	0.046	0.000	0.000	5.327

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2162
TOTAL HOURS OF STABILITY CLASS C	115
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	115
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2159
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 10.42 METER LEVEL

DATE PRINTED: 20001121

MEAN WIND SPEED = 5.91

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, 2000 - SEP 30, 2000

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	0.371	0.324	0.556	0.463	0.046	0.000	0.000	1.806
NNE	0.000	0.000	0.324	0.556	0.695	0.556	0.093	0.000	0.000	2.223
NE	0.000	0.000	0.000	0.278	0.417	0.417	0.000	0.000	0.000	1.112
ENE	0.000	0.000	0.185	0.139	0.278	0.185	0.000	0.000	0.000	0.787
E	0.000	0.000	0.139	0.417	0.509	0.232	0.000	0.000	0.000	1.297
ESE	0.000	0.000	0.278	0.880	1.112	0.741	0.000	0.000	0.000	3.011
SE	0.000	0.000	0.741	0.417	0.232	0.000	0.000	0.000	0.000	1.390
SSE	0.000	0.046	1.065	0.278	0.046	0.000	0.000	0.000	0.000	1.436
S	0.000	0.000	1.390	0.556	0.000	0.000	0.000	0.000	0.000	1.945
SSW	0.000	0.046	1.251	0.463	0.139	0.000	0.000	0.000	0.000	1.899
SW	0.000	0.000	0.371	0.324	0.000	0.000	0.000	0.000	0.000	0.695
WSW	0.000	0.046	0.787	0.973	0.046	0.000	0.000	0.000	0.000	1.853
W	0.000	0.000	0.556	1.158	0.926	0.232	0.000	0.000	0.000	2.872
WNW	0.000	0.000	0.093	0.371	0.602	1.019	0.139	0.000	0.000	2.223
NW	0.000	0.000	0.046	0.371	0.741	0.556	0.232	0.139	0.000	2.084
NNW	0.000	0.000	0.093	0.324	0.556	0.463	0.046	0.000	0.000	1.482
SUBTOTAL	0.000	0.185	7.689	7.828	6.855	4.863	0.556	0.139	0.000	28.115

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2162
TOTAL HOURS OF STABILITY CLASS D	607
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	607
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2159
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 10.42 METER LEVEL

DATE PRINTED: 20001121

MEAN WIND SPEED = 5.49

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, 2000 - SEP 30, 2000

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	0.004	0.232	0.463	0.787	0.463	0.139	0.046	0.000	0.000	2.135
NNE	0.004	0.000	0.695	1.251	0.509	0.417	0.000	0.000	0.000	2.876
NE	0.003	0.185	0.324	0.509	0.556	0.324	0.000	0.000	0.000	1.902
ENE	0.005	0.185	0.602	0.509	0.046	0.000	0.000	0.000	0.000	1.348
E	0.007	0.093	1.019	1.343	0.093	0.046	0.000	0.000	0.000	2.601
ESE	0.011	0.185	1.528	1.992	0.278	0.000	0.000	0.000	0.000	3.994
SE	0.012	0.185	1.714	0.278	0.000	0.000	0.000	0.000	0.000	2.189
SSE	0.009	0.185	1.251	0.000	0.000	0.000	0.000	0.000	0.000	1.445
S	0.007	0.093	0.973	0.602	0.000	0.000	0.000	0.000	0.000	1.674
SSW	0.004	0.093	0.556	0.046	0.000	0.000	0.000	0.000	0.000	0.699
SW	0.006	0.232	0.648	0.000	0.000	0.000	0.000	0.000	0.000	0.886
WSW	0.007	0.000	1.019	0.093	0.000	0.000	0.000	0.000	0.000	1.118
W	0.007	0.093	1.019	0.880	0.093	0.000	0.000	0.000	0.000	2.091
WNW	0.002	0.139	0.232	0.278	0.139	0.000	0.000	0.000	0.000	0.790
NW	0.001	0.046	0.185	0.185	0.093	0.046	0.000	0.000	0.000	0.557
NNW	0.002	0.046	0.278	0.324	0.139	0.324	0.000	0.000	0.000	1.114
SUBTOTAL	0.093	1.992	12.506	9.078	2.409	1.297	0.046	0.000	0.000	27.420

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2162
TOTAL HOURS OF STABILITY CLASS E	593
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	592
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2159
TOTAL HOURS CALM	2

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.42 METER LEVEL

DATE PRINTED: 20001121

MEAN WIND SPEED = 3.63

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, 2000 - SEP 30, 2000

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	0.044	0.139	1.528	0.973	0.046	0.000	0.000	0.000	0.000	2.730
NNE	0.018	0.139	0.556	1.158	0.278	0.046	0.000	0.000	0.000	2.195
NE	0.011	0.139	0.278	0.371	0.046	0.000	0.000	0.000	0.000	0.845
ENE	0.018	0.232	0.463	0.278	0.000	0.000	0.000	0.000	0.000	0.991
E	0.024	0.093	0.834	0.509	0.000	0.000	0.000	0.000	0.000	1.460
ESE	0.017	0.046	0.602	0.139	0.000	0.000	0.000	0.000	0.000	0.804
SE	0.010	0.185	0.185	0.000	0.000	0.000	0.000	0.000	0.000	0.380
SSE	0.009	0.185	0.139	0.000	0.000	0.000	0.000	0.000	0.000	0.333
S	0.007	0.000	0.278	0.000	0.000	0.000	0.000	0.000	0.000	0.285
SSW	0.004	0.093	0.046	0.046	0.000	0.000	0.000	0.000	0.000	0.189
SW	0.002	0.000	0.093	0.000	0.000	0.000	0.000	0.000	0.000	0.095
WSW	0.001	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.048
W	0.002	0.046	0.046	0.046	0.046	0.000	0.000	0.000	0.000	0.188
WNW	0.004	0.046	0.093	0.000	0.000	0.000	0.000	0.000	0.000	0.143
NW	0.006	0.139	0.093	0.046	0.000	0.000	0.046	0.000	0.000	0.330
NNW	0.007	0.093	0.185	0.371	0.093	0.093	0.000	0.000	0.000	0.841
SUBTOTAL	0.185	1.575	5.465	3.937	0.509	0.139	0.046	0.000	0.000	11.857

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2162
TOTAL HOURS OF STABILITY CLASS F	256
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	256
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2159
TOTAL HOURS CALM	4

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.42 METER LEVEL

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.031	0.278	1.853	0.880	0.000	0.000	0.000	0.000	0.000	3.042
NNE	0.012	0.232	0.602	0.973	0.046	0.000	0.000	0.000	0.000	1.865
NE	0.009	0.093	0.556	0.000	0.000	0.000	0.000	0.000	0.000	0.658
ENE	0.007	0.139	0.324	0.046	0.000	0.000	0.000	0.000	0.000	0.516
E	0.003	0.000	0.185	0.139	0.000	0.000	0.000	0.000	0.000	0.327
ESE	0.002	0.000	0.139	0.000	0.000	0.000	0.000	0.000	0.000	0.141
SE	0.002	0.093	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.141
SSE	0.001	0.000	0.093	0.000	0.000	0.000	0.000	0.000	0.000	0.094
S	0.001	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.047
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	0.001	0.093	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.094
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.001	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047
NW	0.002	0.093	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.141
NNW	0.021	0.602	0.834	0.093	0.000	0.000	0.000	0.000	0.000	1.549
SUBTOTAL	0.093	1.667	4.724	2.131	0.046	0.000	0.000	0.000	0.000	8.661

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2162
TOTAL HOURS OF STABILITY CLASS G	187
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	187
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2159
TOTAL HOURS CALM	2

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.42 METER LEVEL

DATE PRINTED: 20001121

MEAN WIND SPEED = 2.44

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - DEC 31, 2000

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	0.375	0.375	0.000	0.000	0.797
NNE	0.000	0.000	0.000	0.000	0.000	0.515	0.000	0.000	0.000	0.515
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	0.094	0.094	0.000	0.000	0.000	0.000	0.187
SE	0.000	0.000	0.000	1.031	0.234	0.047	0.000	0.000	0.000	1.312
SSE	0.000	0.000	0.047	0.281	0.187	0.000	0.000	0.000	0.000	0.515
S	0.000	0.000	0.094	0.469	0.000	0.000	0.000	0.000	0.000	0.562
SSW	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.047
SW	0.000	0.000	0.000	0.047	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	0.000	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	0.047	0.047	0.000	0.000	0.094
SUBTOTAL	0.000	0.000	0.141	2.015	0.515	0.984	0.422	0.000	0.000	4.077

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2135
TOTAL HOURS OF STABILITY CLASS A	87
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	87
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 10.42 METER LEVEL

DATE PRINTED: 20010209

MEAN WIND SPEED = 7.00

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, 2000 - DEC 31, 2000

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	0.187	0.047	0.000	0.000	0.281
NNE	0.000	0.000	0.000	0.000	0.000	0.141	0.000	0.000	0.000	0.141
NE	0.000	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.047
ENE	0.000	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.047
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	0.187	0.000	0.000	0.000	0.000	0.000	0.187
SE	0.000	0.000	0.000	0.515	0.047	0.000	0.000	0.000	0.000	0.562
SSE	0.000	0.000	0.094	0.141	0.000	0.000	0.000	0.000	0.000	0.234
S	0.000	0.000	0.187	0.187	0.000	0.000	0.000	0.000	0.000	0.375
SSW	0.000	0.000	0.000	0.094	0.000	0.000	0.000	0.000	0.000	0.094
SW	0.000	0.000	0.000	0.047	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	0.000	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	0.281	1.172	0.094	0.422	0.047	0.000	0.000	2.015

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2135
TOTAL HOURS OF STABILITY CLASS B	43
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	43
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 10.42 METER LEVEL

DATE PRINTED: 20010209

MEAN WIND SPEED = 5.25

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, 2000 - DEC 31, 2000

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	0.422	0.094	0.000	0.000	0.515
NNE	0.000	0.000	0.000	0.047	0.047	0.000	0.000	0.000	0.000	0.094
NE	0.000	0.000	0.000	0.000	0.094	0.047	0.000	0.000	0.000	0.141
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	0.187	0.000	0.000	0.000	0.000	0.000	0.234
SE	0.000	0.000	0.094	0.375	0.094	0.000	0.000	0.000	0.000	0.562
SSE	0.000	0.000	0.234	0.187	0.000	0.000	0.000	0.000	0.000	0.422
S	0.000	0.000	0.047	0.047	0.000	0.000	0.000	0.000	0.000	0.094
SSW	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.047
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	0.047	0.000	0.047	0.000	0.000	0.000	0.094
W	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.047
WNW	0.000	0.000	0.000	0.000	0.047	0.000	0.234	0.047	0.000	0.328
NW	0.000	0.000	0.000	0.000	0.000	0.515	0.094	0.000	0.000	0.609
NNW	0.000	0.000	0.000	0.000	0.047	0.094	0.000	0.000	0.000	0.141
SUBTOTAL	0.000	0.000	0.422	0.984	0.422	1.125	0.422	0.047	0.000	3.421

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2135
TOTAL HOURS OF STABILITY CLASS C	73
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	73
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 10.42 METER LEVEL

DATE PRINTED: 20010209

MEAN WIND SPEED = 7.50

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, 2000 - DEC 31, 2000

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	0.328	0.515	0.656	1.078	0.094	0.000	0.000	2.671
NNE	0.000	0.000	0.609	0.797	1.593	1.172	0.047	0.000	0.000	4.217
NE	0.000	0.000	0.281	0.890	0.562	0.328	0.000	0.000	0.000	2.062
ENE	0.000	0.000	0.328	0.843	0.375	0.047	0.000	0.000	0.000	1.593
E	0.000	0.000	0.656	0.281	0.047	0.000	0.000	0.000	0.000	0.984
ESE	0.000	0.000	0.375	0.703	0.281	0.187	0.000	0.000	0.000	1.546
SE	0.000	0.047	0.797	1.031	0.234	0.141	0.000	0.000	0.000	2.249
SSE	0.000	0.000	1.500	1.968	0.187	0.000	0.000	0.000	0.000	3.655
S	0.000	0.000	1.218	0.609	0.234	0.000	0.000	0.000	0.000	2.062
SSW	0.000	0.000	0.469	0.281	0.047	0.000	0.000	0.000	0.000	0.797
SW	0.000	0.000	0.515	0.328	0.047	0.047	0.000	0.000	0.000	0.937
WSW	0.000	0.000	0.375	0.984	0.047	0.141	0.094	0.000	0.000	1.640
W	0.000	0.000	0.234	1.125	0.703	1.546	0.469	0.000	0.000	4.077
WNW	0.000	0.000	0.328	0.422	0.609	1.593	0.890	0.187	0.047	4.077
NW	0.000	0.000	0.234	0.469	0.609	1.781	1.734	0.187	0.047	5.061
NNW	0.000	0.000	0.187	0.515	0.609	1.593	0.094	0.000	0.000	2.999
SUBTOTAL	0.000	0.047	8.435	11.762	6.842	9.653	3.421	0.375	0.094	40.628

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2135
TOTAL HOURS OF STABILITY CLASS D	868
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	867
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 10.42 METER LEVEL

DATE PRINTED: 20010209

MEAN WIND SPEED = 6.59

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

OCT 1, 2000 - DEC 31, 2000

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	0.002	0.000	0.703	0.375	0.328	0.515	0.000	0.000	0.000	1.924
NNE	0.003	0.094	0.750	0.562	0.515	0.094	0.000	0.000	0.000	2.018
NE	0.002	0.094	0.656	0.703	0.234	0.000	0.000	0.000	0.000	1.689
ENE	0.001	0.094	0.281	0.609	0.000	0.000	0.000	0.000	0.000	0.985
E	0.003	0.141	0.656	0.562	0.000	0.000	0.000	0.000	0.000	1.362
ESE	0.006	0.094	1.593	0.890	0.422	0.000	0.000	0.000	0.000	3.005
SE	0.007	0.094	2.062	0.843	0.422	0.094	0.000	0.000	0.000	3.522
SSE	0.006	0.328	1.453	0.328	0.141	0.000	0.000	0.000	0.000	2.255
S	0.006	0.141	1.593	0.515	0.141	0.094	0.000	0.000	0.000	2.489
SSW	0.002	0.094	0.422	0.000	0.047	0.000	0.000	0.000	0.000	0.564
SW	0.002	0.000	0.469	0.000	0.000	0.047	0.000	0.000	0.000	0.517
WSW	0.002	0.047	0.703	0.047	0.000	0.047	0.000	0.000	0.000	0.846
W	0.001	0.000	0.234	0.515	0.094	0.047	0.000	0.000	0.000	0.891
WNW	0.001	0.000	0.281	0.094	0.094	0.141	0.000	0.000	0.000	0.610
NW	0.001	0.047	0.375	0.469	0.469	0.469	0.141	0.000	0.000	1.970
NNW	0.002	0.000	0.609	0.515	0.843	0.609	0.047	0.000	0.000	2.626
SUBTOTAL	0.047	1.265	12.840	7.029	3.749	2.156	0.187	0.000	0.000	27.273

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2135
TOTAL HOURS OF STABILITY CLASS E	582
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	582
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 10.42 METER LEVEL

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	0.094	0.422	0.562	0.047	0.000	0.000	0.000	0.000	1.125
NNE	0.000	0.094	0.234	0.422	0.000	0.000	0.000	0.000	0.000	0.750
NE	0.000	0.047	0.281	0.281	0.047	0.000	0.000	0.000	0.000	0.656
ENE	0.000	0.000	0.562	0.187	0.000	0.000	0.000	0.000	0.000	0.750
E	0.000	0.187	1.546	0.422	0.000	0.000	0.000	0.000	0.000	2.156
ESE	0.000	0.094	1.218	0.187	0.000	0.000	0.000	0.000	0.000	1.500
SE	0.000	0.281	1.218	0.000	0.000	0.000	0.000	0.000	0.000	1.500
SSE	0.000	0.609	0.234	0.094	0.000	0.000	0.000	0.000	0.000	0.937
S	0.000	0.094	0.469	0.047	0.047	0.047	0.000	0.000	0.000	0.703
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	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.047
WSW	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047
W	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047
WNW	0.000	0.000	0.187	0.047	0.000	0.000	0.000	0.000	0.000	0.234
NW	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.047
NNW	0.000	0.187	0.281	0.422	0.141	0.047	0.000	0.000	0.000	1.078
SUBTOTAL	0.000	1.781	6.748	2.671	0.281	0.094	0.000	0.000	0.000	11.575

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2135
TOTAL HOURS OF STABILITY CLASS F	247
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	247
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 10.42 METER LEVEL

DATE PRINTED: 20010209

MEAN WIND SPEED = 2.77

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, 2000 - DEC 31, 2000

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	0.022	0.703	1.453	0.469	0.000	0.000	0.000	0.000	0.000	2.646
NNE	0.009	0.422	0.515	0.422	0.000	0.000	0.000	0.000	0.000	1.368
NE	0.009	0.328	0.609	0.187	0.000	0.000	0.000	0.000	0.000	1.134
ENE	0.013	0.187	1.078	0.141	0.000	0.000	0.000	0.000	0.000	1.419
E	0.008	0.328	0.422	0.187	0.000	0.000	0.000	0.000	0.000	0.945
ESE	0.007	0.375	0.328	0.000	0.000	0.000	0.000	0.000	0.000	0.710
SE	0.005	0.234	0.281	0.047	0.000	0.000	0.000	0.000	0.000	0.568
SSE	0.002	0.141	0.094	0.047	0.000	0.000	0.000	0.000	0.000	0.284
S	0.003	0.187	0.094	0.000	0.000	0.094	0.000	0.000	0.000	0.378
SSW	0.001	0.094	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.095
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	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.047
W	0.001	0.094	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.095
WNW	0.002	0.047	0.141	0.000	0.000	0.000	0.000	0.000	0.000	0.189
NW	0.003	0.141	0.187	0.000	0.000	0.000	0.000	0.000	0.000	0.331
NNW	0.008	0.281	0.469	0.000	0.000	0.000	0.000	0.000	0.000	0.757
SUBTOTAL	0.094	3.608	5.717	1.500	0.000	0.094	0.000	0.000	0.000	11.012

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2135
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	2134
TOTAL HOURS CALM	2

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND SPEED AND DIRECTION MEASURED AT 10.42 METER LEVEL

DATE PRINTED: 20010209

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - MAR 31, 2000

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	0.017	0.031	0.031	0.000	0.000	0.079
NNE	0.000	0.000	0.000	0.000	0.017	0.045	0.000	0.000	0.000	0.062
NE	0.000	0.000	0.000	0.000	0.000	0.026	0.000	0.000	0.000	0.026
ENE	0.000	0.000	0.000	0.000	0.003	0.013	0.000	0.000	0.000	0.017
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	0.011	0.014	0.016	0.000	0.000	0.000	0.041
SE	0.000	0.000	0.000	0.044	0.124	0.124	0.000	0.000	0.000	0.291
SSE	0.000	0.000	0.002	0.058	0.047	0.043	0.000	0.000	0.000	0.150
S	0.000	0.000	0.000	0.087	0.035	0.000	0.000	0.000	0.000	0.121
SSW	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.008
SW	0.000	0.000	0.000	0.007	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	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.003
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.030	0.000	0.040
NNW	0.000	0.000	0.000	0.000	0.004	0.013	0.025	0.000	0.000	0.042
SUBTOTAL	0.000	0.000	0.002	0.214	0.263	0.311	0.065	0.030	0.000	0.885

TOTAL HOURS OF VALID OBSERVATIONS 2111.000
TOTAL HOURS OF GROUND LEVEL RELEASE 287.530
TOTAL HOURS OF STABILITY CLASS A 18.690
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS A 18.690

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

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, 2000 - MAR 31, 2000

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	0.001	0.008	0.017	0.010	0.000	0.000	0.036
NNE	0.000	0.000	0.000	0.001	0.017	0.015	0.000	0.000	0.000	0.033
NE	0.000	0.000	0.000	0.000	0.004	0.031	0.000	0.000	0.000	0.036
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	0.004	0.000	0.000	0.000	0.000	0.004
ESE	0.000	0.000	0.000	0.005	0.007	0.000	0.000	0.000	0.000	0.011
SE	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.011
SSE	0.000	0.000	0.009	0.017	0.031	0.000	0.000	0.000	0.000	0.057
S	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.008
SSW	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.008
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	0.018	0.060	0.000	0.077
NW	0.000	0.000	0.000	0.000	0.009	0.017	0.045	0.000	0.000	0.071
NNW	0.000	0.000	0.000	0.000	0.011	0.026	0.028	0.000	0.000	0.065
SUBTOTAL	0.000	0.000	0.009	0.051	0.091	0.106	0.101	0.060	0.000	0.417

TOTAL HOURS OF VALID OBSERVATIONS	2111.000
TOTAL HOURS OF GROUND LEVEL RELEASE	287.530
TOTAL HOURS OF STABILITY CLASS B	9.610
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS B	8.810

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

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, 2000 - MAR 31, 2000

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	0.023	0.017	0.000	0.000	0.000	0.040
NNE	0.000	0.000	0.000	0.000	0.011	0.038	0.000	0.000	0.000	0.049
NE	0.000	0.000	0.000	0.000	0.008	0.026	0.000	0.000	0.000	0.034
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	0.003	0.000	0.000	0.000	0.000	0.004
ESE	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.003
SE	0.000	0.000	0.000	0.037	0.000	0.000	0.000	0.000	0.000	0.037
SSE	0.000	0.000	0.000	0.033	0.000	0.000	0.000	0.000	0.000	0.033
S	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.004
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	0.011	0.006	0.000	0.000	0.000	0.000	0.017
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	0.006	0.000	0.000	0.000	0.007
WNW	0.000	0.000	0.000	0.000	0.008	0.031	0.027	0.045	0.000	0.110
NW	0.000	0.000	0.000	0.000	0.006	0.042	0.067	0.000	0.000	0.115
NNW	0.000	0.000	0.000	0.000	0.003	0.011	0.019	0.000	0.000	0.034
SUBTOTAL	0.000	0.000	0.000	0.090	0.073	0.171	0.113	0.045	0.000	0.491

TOTAL HOURS OF VALID OBSERVATIONS 2111.000
TOTAL HOURS OF GROUND LEVEL RELEASE 287.530
TOTAL HOURS OF STABILITY CLASS C 16.810
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS C 10.370

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

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, 2000 - MAR 31, 2000

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	0.010	0.054	0.141	0.125	0.000	0.000	0.331
NNE	0.000	0.000	0.000	0.020	0.087	0.140	0.000	0.000	0.000	0.248
NE	0.000	0.000	0.000	0.023	0.104	0.073	0.000	0.000	0.000	0.200
ENE	0.000	0.000	0.000	0.005	0.053	0.013	0.000	0.000	0.000	0.071
E	0.000	0.000	0.004	0.019	0.027	0.000	0.000	0.000	0.000	0.051
ESE	0.000	0.000	0.002	0.035	0.031	0.011	0.000	0.000	0.000	0.080
SE	0.000	0.000	0.010	0.037	0.049	0.409	0.000	0.000	0.000	0.505
SSE	0.000	0.000	0.051	0.042	0.019	0.076	0.000	0.000	0.000	0.188
S	0.000	0.000	0.013	0.151	0.094	0.091	0.000	0.000	0.000	0.349
SSW	0.000	0.000	0.003	0.042	0.034	0.000	0.000	0.000	0.000	0.080
SW	0.000	0.000	0.000	0.043	0.008	0.000	0.000	0.000	0.000	0.051
WSW	0.000	0.000	0.000	0.014	0.012	0.028	0.000	0.000	0.000	0.054
W	0.000	0.000	0.000	0.034	0.060	0.084	0.023	0.000	0.000	0.201
WNW	0.000	0.000	0.000	0.001	0.058	0.149	0.086	0.081	0.000	0.374
NW	0.000	0.000	0.000	0.002	0.047	0.326	0.566	0.123	0.000	1.064
NNW	0.000	0.000	0.000	0.009	0.054	0.441	0.238	0.000	0.000	0.741
SUBTOTAL	0.000	0.000	0.085	0.488	0.791	1.982	1.037	0.204	0.000	4.586

TOTAL HOURS OF VALID OBSERVATIONS	2111.000
TOTAL HOURS OF GROUND LEVEL RELEASE	287.530
TOTAL HOURS OF STABILITY CLASS D	960.510
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS D	96.820

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

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, 2000 - MAR 31, 2000

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	0.010	0.064	0.058	0.071	0.000	0.000	0.000	0.203
NNE	0.000	0.000	0.014	0.116	0.083	0.094	0.000	0.000	0.000	0.308
NE	0.000	0.000	0.003	0.050	0.070	0.065	0.000	0.000	0.000	0.189
ENE	0.000	0.000	0.008	0.038	0.027	0.009	0.000	0.000	0.000	0.081
E	0.000	0.000	0.020	0.035	0.007	0.000	0.000	0.000	0.000	0.063
ESE	0.000	0.000	0.021	0.036	0.025	0.021	0.000	0.000	0.000	0.102
SE	0.000	0.000	0.045	0.108	0.078	0.074	0.000	0.000	0.000	0.306
SSE	0.000	0.000	0.068	0.117	0.059	0.047	0.000	0.000	0.000	0.290
S	0.000	0.000	0.039	0.204	0.127	0.353	0.047	0.000	0.000	0.770
SSW	0.000	0.000	0.047	0.063	0.047	0.000	0.000	0.000	0.000	0.158
SW	0.000	0.000	0.013	0.022	0.000	0.033	0.000	0.000	0.000	0.068
WSW	0.000	0.000	0.019	0.021	0.018	0.030	0.000	0.000	0.000	0.089
W	0.000	0.000	0.012	0.052	0.026	0.036	0.016	0.000	0.000	0.142
WNW	0.000	0.000	0.000	0.021	0.019	0.029	0.009	0.000	0.000	0.078
NW	0.000	0.000	0.000	0.025	0.021	0.084	0.000	0.000	0.000	0.131
NNW	0.000	0.000	0.015	0.085	0.079	0.077	0.014	0.000	0.000	0.270
SUBTOTAL	0.000	0.000	0.334	1.057	0.743	1.025	0.087	0.000	0.000	3.246

TOTAL HOURS OF VALID OBSERVATIONS	2111.000
TOTAL HOURS OF GROUND LEVEL RELEASE	287.530
TOTAL HOURS OF STABILITY CLASS E	824.250
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS E	68.530

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

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, 2000 - MAR 31, 2000

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	0.010	0.031	0.000	0.000	0.000	0.000	0.000	0.041
NNE	0.000	0.000	0.009	0.027	0.031	0.000	0.000	0.000	0.000	0.066
NE	0.000	0.000	0.009	0.016	0.030	0.017	0.000	0.000	0.000	0.072
ENE	0.000	0.000	0.005	0.032	0.007	0.000	0.000	0.000	0.000	0.044
E	0.000	0.001	0.044	0.014	0.000	0.000	0.000	0.000	0.000	0.059
ESE	0.000	0.002	0.037	0.023	0.000	0.000	0.000	0.000	0.000	0.062
SE	0.000	0.004	0.181	0.090	0.033	0.000	0.000	0.000	0.000	0.308
SSE	0.000	0.013	0.154	0.193	0.000	0.000	0.000	0.000	0.000	0.361
S	0.000	0.011	0.074	0.124	0.305	0.692	0.000	0.000	0.000	1.206
SSW	0.000	0.000	0.019	0.040	0.029	0.000	0.000	0.000	0.000	0.088
SW	0.000	0.000	0.010	0.008	0.000	0.000	0.000	0.000	0.000	0.018
WSW	0.000	0.000	0.004	0.000	0.008	0.000	0.000	0.000	0.000	0.012
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	0.000	0.000	0.009	0.000	0.000	0.000	0.013
NW	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.013
NNW	0.000	0.000	0.009	0.108	0.017	0.000	0.000	0.000	0.000	0.134
SUBTOTAL	0.000	0.031	0.571	0.718	0.459	0.718	0.000	0.000	0.000	2.498

TOTAL HOURS OF VALID OBSERVATIONS	2111.000
TOTAL HOURS OF GROUND LEVEL RELEASE	287.530
TOTAL HOURS OF STABILITY CLASS F	206.410
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS F	52.740

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

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, 2000 - MAR 31, 2000

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	0.011	0.025	0.000	0.000	0.000	0.000	0.000	0.036
NNE	0.000	0.000	0.002	0.042	0.008	0.000	0.000	0.000	0.000	0.052
NE	0.000	0.000	0.012	0.009	0.000	0.000	0.000	0.000	0.000	0.021
ENE	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.011
E	0.000	0.000	0.022	0.007	0.000	0.000	0.000	0.000	0.000	0.028
ESE	0.000	0.001	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.008
SE	0.000	0.034	0.035	0.008	0.000	0.000	0.000	0.000	0.000	0.077
SSE	0.000	0.036	0.500	0.223	0.033	0.047	0.000	0.000	0.000	0.839
S	0.000	0.010	0.130	0.125	0.086	0.031	0.000	0.000	0.000	0.382
SSW	0.000	0.000	0.005	0.009	0.000	0.000	0.000	0.000	0.000	0.013
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	0.005	0.006	0.000	0.000	0.000	0.000	0.000	0.011
NNW	0.000	0.000	0.002	0.015	0.000	0.000	0.000	0.000	0.000	0.017
SUBTOTAL	0.000	0.081	0.741	0.468	0.127	0.078	0.000	0.000	0.000	1.495

TOTAL HOURS OF VALID OBSERVATIONS	2111.000
TOTAL HOURS OF GROUND LEVEL RELEASE	287.530
TOTAL HOURS OF STABILITY CLASS G	74.720
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS G	31.570

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - JUN 30, 2000

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	0.004	0.084	0.027	0.000	0.000	0.115
NNE	0.000	0.000	0.000	0.000	0.000	0.070	0.009	0.000	0.000	0.079
NE	0.000	0.000	0.000	0.000	0.005	0.038	0.009	0.000	0.000	0.052
ENE	0.000	0.000	0.000	0.000	0.005	0.021	0.000	0.000	0.000	0.026
E	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.006
ESE	0.000	0.000	0.000	0.023	0.026	0.000	0.000	0.000	0.000	0.049
SE	0.000	0.000	0.014	0.161	0.007	0.000	0.000	0.000	0.000	0.183
SSE	0.000	0.000	0.039	0.034	0.000	0.000	0.000	0.000	0.000	0.072
S	0.000	0.000	0.035	0.140	0.049	0.000	0.000	0.000	0.000	0.224
SSW	0.000	0.000	0.020	0.154	0.037	0.000	0.000	0.000	0.000	0.211
SW	0.000	0.000	0.000	0.076	0.000	0.000	0.000	0.000	0.000	0.076
WSW	0.000	0.000	0.000	0.010	0.015	0.000	0.000	0.000	0.000	0.025
W	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.008
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.000	0.000	0.028
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	0.037	0.009	0.000	0.000	0.046
SUBTOTAL	0.000	0.000	0.108	0.598	0.154	0.264	0.082	0.000	0.000	1.206

TOTAL HOURS OF VALID OBSERVATIONS 2148.000
TOTAL HOURS OF GROUND LEVEL RELEASE 213.900
TOTAL HOURS OF STABILITY CLASS A 25.900
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS A 25.900

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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	0.025	0.009	0.000	0.000	0.046
NNE	0.000	0.000	0.000	0.001	0.007	0.017	0.000	0.000	0.000	0.025
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	0.011	0.005	0.000	0.000	0.000	0.000	0.000	0.016
S	0.000	0.000	0.019	0.017	0.029	0.000	0.000	0.000	0.000	0.064
SSW	0.000	0.000	0.008	0.108	0.019	0.000	0.000	0.000	0.000	0.135
SW	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010
WSW	0.000	0.000	0.000	0.000	0.026	0.000	0.000	0.000	0.000	0.026
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	0.000	0.006	0.047	0.062	0.000	0.115
NW	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.008
NNW	0.000	0.000	0.000	0.000	0.003	0.054	0.016	0.000	0.000	0.074
SUBTOTAL	0.000	0.000	0.037	0.142	0.101	0.110	0.073	0.062	0.000	0.524

TOTAL HOURS OF VALID OBSERVATIONS 2148.000
TOTAL HOURS OF GROUND LEVEL RELEASE 213.900
TOTAL HOURS OF STABILITY CLASS B 11.260
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS B 11.260

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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	0.009	0.005	0.000	0.000	0.000	0.014
NNE	0.000	0.000	0.000	0.003	0.000	0.013	0.000	0.000	0.000	0.016
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	0.016	0.007	0.000	0.000	0.000	0.000	0.023
SE	0.000	0.000	0.002	0.007	0.000	0.000	0.000	0.000	0.000	0.009
SSE	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.006
S	0.000	0.000	0.022	0.009	0.009	0.000	0.000	0.000	0.000	0.041
SSW	0.000	0.000	0.013	0.031	0.069	0.000	0.000	0.000	0.000	0.113
SW	0.000	0.000	0.011	0.016	0.000	0.000	0.000	0.000	0.000	0.027
WSW	0.000	0.000	0.000	0.023	0.054	0.007	0.000	0.000	0.000	0.084
W	0.000	0.000	0.000	0.010	0.012	0.005	0.000	0.000	0.000	0.027
WNW	0.000	0.000	0.000	0.002	0.000	0.010	0.027	0.000	0.000	0.040
NW	0.000	0.000	0.000	0.000	0.004	0.061	0.077	0.031	0.000	0.173
NNW	0.000	0.000	0.000	0.000	0.009	0.031	0.031	0.000	0.000	0.070
SUBTOTAL	0.000	0.000	0.054	0.117	0.173	0.132	0.135	0.031	0.000	0.642

TOTAL HOURS OF VALID OBSERVATIONS 2148.000
TOTAL HOURS OF GROUND LEVEL RELEASE 213.900
TOTAL HOURS OF STABILITY CLASS C 13.790
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS C 13.790

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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	0.029	0.057	0.034	0.000	0.000	0.000	0.120
NNE	0.000	0.000	0.000	0.020	0.025	0.098	0.000	0.000	0.000	0.143
NE	0.000	0.000	0.000	0.014	0.018	0.007	0.000	0.000	0.000	0.039
ENE	0.000	0.000	0.001	0.004	0.000	0.000	0.000	0.000	0.000	0.005
E	0.000	0.000	0.000	0.020	0.006	0.000	0.000	0.000	0.000	0.027
ESE	0.000	0.000	0.014	0.068	0.095	0.010	0.000	0.000	0.000	0.187
SE	0.000	0.000	0.025	0.058	0.026	0.000	0.000	0.000	0.000	0.109
SSE	0.000	0.000	0.093	0.072	0.044	0.000	0.000	0.000	0.000	0.209
S	0.000	0.000	0.230	0.251	0.112	0.000	0.000	0.000	0.000	0.593
SSW	0.000	0.000	0.030	0.277	0.112	0.000	0.000	0.000	0.000	0.419
SW	0.000	0.000	0.022	0.062	0.008	0.000	0.000	0.000	0.000	0.092
WSW	0.000	0.000	0.027	0.098	0.071	0.024	0.000	0.000	0.000	0.220
W	0.000	0.000	0.000	0.047	0.075	0.154	0.000	0.000	0.000	0.276
WNW	0.000	0.000	0.000	0.007	0.048	0.128	0.086	0.000	0.000	0.270
NW	0.000	0.000	0.000	0.011	0.058	0.245	0.345	0.261	0.000	0.920
NNW	0.000	0.000	0.000	0.015	0.068	0.144	0.019	0.000	0.000	0.246
SUBTOTAL	0.000	0.000	0.442	1.055	0.824	0.845	0.450	0.261	0.000	3.875

TOTAL HOURS OF VALID OBSERVATIONS 2148.000
TOTAL HOURS OF GROUND LEVEL RELEASE 213.900
TOTAL HOURS OF STABILITY CLASS D 745.830
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS D 83.240

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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	0.014	0.029	0.000	0.000	0.000	0.000	0.000	0.042
NNE	0.000	0.000	0.007	0.039	0.017	0.007	0.000	0.000	0.000	0.070
NE	0.000	0.005	0.001	0.015	0.011	0.000	0.000	0.000	0.000	0.032
ENE	0.000	0.004	0.012	0.006	0.007	0.000	0.000	0.000	0.000	0.028
E	0.000	0.000	0.029	0.071	0.000	0.000	0.000	0.000	0.000	0.100
ESE	0.000	0.000	0.128	0.122	0.085	0.000	0.000	0.000	0.000	0.334
SE	0.000	0.002	0.087	0.041	0.000	0.000	0.000	0.000	0.000	0.129
SSE	0.000	0.006	0.105	0.058	0.000	0.000	0.000	0.000	0.000	0.168
S	0.000	0.010	0.225	0.235	0.092	0.063	0.000	0.000	0.000	0.625
SSW	0.000	0.010	0.082	0.152	0.099	0.000	0.000	0.000	0.000	0.344
SW	0.000	0.000	0.009	0.015	0.000	0.000	0.000	0.000	0.000	0.025
WSW	0.000	0.000	0.010	0.021	0.007	0.000	0.000	0.000	0.000	0.038
W	0.000	0.000	0.007	0.022	0.019	0.000	0.000	0.000	0.000	0.047
WNW	0.000	0.000	0.001	0.022	0.006	0.024	0.020	0.000	0.000	0.073
NW	0.000	0.000	0.000	0.020	0.044	0.024	0.014	0.000	0.000	0.102
NNW	0.000	0.000	0.005	0.077	0.088	0.057	0.000	0.000	0.000	0.226
SUBTOTAL	0.000	0.036	0.722	0.943	0.473	0.176	0.034	0.000	0.000	2.383

TOTAL HOURS OF VALID OBSERVATIONS 2148.000
TOTAL HOURS OF GROUND LEVEL RELEASE 213.900
TOTAL HOURS OF STABILITY CLASS E 1076.740
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS E 51.190

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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	0.001	0.006	0.033	0.106	0.008	0.000	0.000	0.000	0.000	0.154
NNE	0.000	0.000	0.028	0.074	0.015	0.000	0.000	0.000	0.000	0.118
NE	0.000	0.016	0.010	0.012	0.000	0.000	0.000	0.000	0.000	0.039
ENE	0.000	0.006	0.020	0.003	0.000	0.000	0.000	0.000	0.000	0.029
E	0.001	0.012	0.054	0.021	0.000	0.000	0.000	0.000	0.000	0.088
ESE	0.001	0.006	0.086	0.000	0.000	0.000	0.000	0.000	0.000	0.093
SE	0.001	0.016	0.035	0.000	0.000	0.000	0.000	0.000	0.000	0.052
SSE	0.001	0.022	0.042	0.000	0.000	0.000	0.000	0.000	0.000	0.066
S	0.002	0.019	0.126	0.029	0.044	0.000	0.000	0.000	0.000	0.219
SSW	0.001	0.014	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.050
SW	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
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	0.003	0.000	0.000	0.000	0.000	0.000	0.003
WNW	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.004
NW	0.000	0.000	0.020	0.001	0.014	0.000	0.000	0.000	0.000	0.036
NNW	0.000	0.000	0.014	0.013	0.008	0.000	0.000	0.000	0.000	0.035
SUBTOTAL	0.009	0.121	0.507	0.264	0.089	0.000	0.000	0.000	0.000	0.991

TOTAL HOURS OF VALID OBSERVATIONS 2148.000
TOTAL HOURS OF GROUND LEVEL RELEASE 213.900
TOTAL HOURS OF STABILITY CLASS F 231.360
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS F 21.280

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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	0.008	0.019	0.034	0.000	0.000	0.000	0.000	0.000	0.061
NNE	0.000	0.005	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.011
NE	0.000	0.010	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.023
ENE	0.000	0.003	0.009	0.007	0.000	0.000	0.000	0.000	0.000	0.020
E	0.000	0.014	0.025	0.002	0.000	0.000	0.000	0.000	0.000	0.041
ESE	0.000	0.019	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.027
SE	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.008
SSE	0.000	0.021	0.027	0.000	0.000	0.000	0.000	0.000	0.000	0.047
S	0.000	0.008	0.015	0.032	0.000	0.000	0.000	0.000	0.000	0.055
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	0.010	0.004	0.000	0.000	0.000	0.000	0.000	0.014
NNW	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.030
SUBTOTAL	0.000	0.088	0.164	0.085	0.000	0.000	0.000	0.000	0.000	0.337

TOTAL HOURS OF VALID OBSERVATIONS 2148.000
TOTAL HOURS OF GROUND LEVEL RELEASE 213.900
TOTAL HOURS OF STABILITY CLASS G 43.120
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS G 7.240

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - SEP 30, 2000

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	0.000	0.000	0.000	0.215	0.009	0.000	0.000	0.224
NNE	0.000	0.000	0.000	0.000	0.005	0.281	0.027	0.000	0.000	0.313
NE	0.000	0.000	0.000	0.000	0.006	0.040	0.009	0.000	0.000	0.055
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	0.003	0.084	0.067	0.000	0.000	0.000	0.155
SE	0.000	0.000	0.013	0.071	0.117	0.018	0.000	0.000	0.000	0.219
SSE	0.000	0.000	0.008	0.115	0.010	0.000	0.000	0.000	0.000	0.133
S	0.000	0.000	0.023	0.110	0.000	0.000	0.000	0.000	0.000	0.132
SSW	0.000	0.000	0.003	0.027	0.018	0.000	0.000	0.000	0.000	0.048
SW	0.000	0.000	0.000	0.010	0.006	0.000	0.000	0.000	0.000	0.016
WSW	0.000	0.000	0.000	0.009	0.005	0.000	0.000	0.000	0.000	0.013
W	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.009
WNW	0.000	0.000	0.000	0.000	0.000	0.005	0.018	0.000	0.000	0.023
NW	0.000	0.000	0.000	0.000	0.000	0.029	0.009	0.000	0.000	0.038
NNW	0.000	0.000	0.000	0.000	0.005	0.000	0.009	0.000	0.000	0.014
SUBTOTAL	0.000	0.000	0.047	0.345	0.265	0.656	0.081	0.000	0.000	1.394

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF GROUND LEVEL RELEASE 179.030
TOTAL HOURS OF STABILITY CLASS A 34.010
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS A 30.230

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.001	0.034	0.053	0.012	0.000	0.000	0.100
NNE	0.000	0.000	0.000	0.000	0.008	0.050	0.000	0.000	0.000	0.058
NE	0.000	0.000	0.000	0.000	0.007	0.018	0.000	0.000	0.000	0.025
ENE	0.000	0.000	0.000	0.000	0.006	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	0.006	0.027	0.009	0.000	0.000	0.000	0.041
SE	0.000	0.000	0.000	0.007	0.007	0.000	0.000	0.000	0.000	0.014
SSE	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.008
S	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.009
SSW	0.000	0.000	0.001	0.008	0.000	0.000	0.000	0.000	0.000	0.009
SW	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010
WSW	0.000	0.000	0.000	0.003	0.012	0.000	0.000	0.000	0.000	0.014
W	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.021
WNW	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.005
NW	0.000	0.000	0.000	0.001	0.005	0.018	0.000	0.000	0.000	0.024
NNW	0.000	0.000	0.000	0.000	0.004	0.047	0.000	0.000	0.000	0.052
SUBTOTAL	0.000	0.000	0.001	0.053	0.130	0.207	0.012	0.000	0.000	0.403

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF GROUND LEVEL RELEASE 179.030
TOTAL HOURS OF STABILITY CLASS B 16.410
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 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.007	0.022	0.000	0.000	0.000	0.029
NNE	0.000	0.000	0.000	0.001	0.036	0.028	0.000	0.000	0.000	0.065
NE	0.000	0.000	0.000	0.002	0.003	0.029	0.000	0.000	0.000	0.034
ENE	0.000	0.000	0.000	0.000	0.001	0.006	0.000	0.000	0.000	0.008
E	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.005
ESE	0.000	0.000	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.029
SE	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.007
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	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.005
SSW	0.000	0.000	0.000	0.006	0.022	0.000	0.000	0.000	0.000	0.027
SW	0.000	0.000	0.003	0.002	0.000	0.000	0.000	0.000	0.000	0.005
WSW	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.004
W	0.000	0.000	0.000	0.006	0.012	0.000	0.000	0.000	0.000	0.017
WNW	0.000	0.000	0.000	0.000	0.012	0.028	0.021	0.000	0.000	0.061
NW	0.000	0.000	0.000	0.000	0.016	0.024	0.000	0.000	0.000	0.040
NNW	0.000	0.000	0.000	0.000	0.004	0.046	0.000	0.000	0.000	0.049
SUBTOTAL	0.000	0.000	0.008	0.060	0.113	0.183	0.021	0.000	0.000	0.385

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF GROUND LEVEL RELEASE 179.030
TOTAL HOURS OF STABILITY CLASS C 47.800
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS C 8.350

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.012	0.060	0.080	0.030	0.000	0.000	0.182
NNE	0.000	0.000	0.000	0.028	0.074	0.091	0.020	0.000	0.000	0.213
NE	0.000	0.000	0.000	0.005	0.031	0.065	0.000	0.000	0.000	0.101
ENE	0.000	0.000	0.000	0.003	0.025	0.031	0.000	0.000	0.000	0.059
E	0.000	0.000	0.000	0.018	0.065	0.036	0.000	0.000	0.000	0.120
ESE	0.000	0.000	0.010	0.101	0.202	0.145	0.000	0.000	0.000	0.458
SE	0.000	0.000	0.041	0.049	0.047	0.000	0.000	0.000	0.000	0.137
SSE	0.000	0.000	0.039	0.006	0.003	0.000	0.000	0.000	0.000	0.047
S	0.000	0.000	0.071	0.074	0.000	0.000	0.000	0.000	0.000	0.145
SSW	0.000	0.000	0.043	0.070	0.028	0.000	0.000	0.000	0.000	0.141
SW	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.009
WSW	0.000	0.000	0.001	0.031	0.007	0.000	0.000	0.000	0.000	0.040
W	0.000	0.000	0.007	0.039	0.088	0.028	0.000	0.000	0.000	0.161
WNW	0.000	0.000	0.000	0.008	0.050	0.138	0.018	0.000	0.000	0.214
NW	0.000	0.000	0.000	0.004	0.045	0.086	0.077	0.108	0.000	0.319
NNW	0.000	0.000	0.000	0.006	0.042	0.076	0.017	0.000	0.000	0.141
SUBTOTAL	0.000	0.000	0.213	0.462	0.767	0.776	0.161	0.108	0.000	2.487

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF GROUND LEVEL RELEASE 179.030
TOTAL HOURS OF STABILITY CLASS D 1081.890
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS D 53.950

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.026	0.076	0.071	0.024	0.019	0.000	0.000	0.216
NNE	0.000	0.000	0.022	0.140	0.076	0.070	0.000	0.000	0.000	0.308
NE	0.000	0.001	0.005	0.047	0.077	0.045	0.000	0.000	0.000	0.174
ENE	0.000	0.004	0.025	0.041	0.006	0.000	0.000	0.000	0.000	0.075
E	0.000	0.001	0.042	0.145	0.011	0.007	0.000	0.000	0.000	0.207
ESE	0.000	0.000	0.099	0.259	0.048	0.000	0.000	0.000	0.000	0.405
SE	0.000	0.000	0.139	0.043	0.000	0.000	0.000	0.000	0.000	0.183
SSE	0.000	0.000	0.090	0.000	0.000	0.000	0.000	0.000	0.000	0.090
S	0.000	0.000	0.081	0.112	0.000	0.000	0.000	0.000	0.000	0.193
SSW	0.000	0.000	0.028	0.008	0.000	0.000	0.000	0.000	0.000	0.036
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	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.015
W	0.000	0.000	0.010	0.073	0.011	0.000	0.000	0.000	0.000	0.094
WNW	0.000	0.004	0.000	0.016	0.014	0.000	0.000	0.000	0.000	0.035
NW	0.000	0.000	0.002	0.016	0.012	0.007	0.000	0.000	0.000	0.038
NNW	0.000	0.000	0.010	0.019	0.020	0.058	0.000	0.000	0.000	0.107
SUBTOTAL	0.000	0.011	0.589	1.005	0.345	0.212	0.019	0.000	0.000	2.180

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF GROUND LEVEL RELEASE 179.030
TOTAL HOURS OF STABILITY CLASS E 723.200
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS E 47.290

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.112	0.129	0.007	0.000	0.000	0.000	0.000	0.249
NNE	0.000	0.000	0.017	0.163	0.046	0.000	0.000	0.000	0.000	0.226
NE	0.000	0.002	0.011	0.045	0.008	0.000	0.000	0.000	0.000	0.066
ENE	0.000	0.008	0.034	0.035	0.000	0.000	0.000	0.000	0.000	0.076
E	0.000	0.003	0.046	0.052	0.000	0.000	0.000	0.000	0.000	0.101
ESE	0.000	0.002	0.030	0.019	0.000	0.000	0.000	0.000	0.000	0.051
SE	0.000	0.000	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.012
SSE	0.000	0.004	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.010
S	0.000	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.014
SSW	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.008
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	0.004	0.002	0.000	0.000	0.000	0.000	0.006
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	0.003	0.000	0.000	0.000	0.000	0.000	0.003
NNW	0.000	0.000	0.005	0.045	0.015	0.017	0.000	0.000	0.000	0.082
SUBTOTAL	0.000	0.019	0.287	0.503	0.078	0.017	0.000	0.000	0.000	0.904

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF GROUND LEVEL RELEASE 179.030
TOTAL HOURS OF STABILITY CLASS F 206.820
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS F 19.610

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.101	0.124	0.000	0.000	0.000	0.000	0.000	0.226
NNE	0.000	0.000	0.019	0.155	0.008	0.000	0.000	0.000	0.000	0.183
NE	0.000	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.018
ENE	0.000	0.001	0.007	0.006	0.000	0.000	0.000	0.000	0.000	0.014
E	0.000	0.000	0.007	0.014	0.000	0.000	0.000	0.000	0.000	0.021
ESE	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.005
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	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.008
S	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.008
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	0.011	0.007	0.000	0.000	0.000	0.000	0.000	0.018
SUBTOTAL	0.000	0.001	0.185	0.307	0.008	0.000	0.000	0.000	0.000	0.501

TOTAL HOURS OF VALID OBSERVATIONS	2169.000
TOTAL HOURS OF GROUND LEVEL RELEASE	179.030
TOTAL HOURS OF STABILITY CLASS G	58.870
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS G	10.860

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - DEC 31, 2000

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	0.067	0.107	0.000	0.000	0.175
NNE	0.000	0.000	0.000	0.000	0.000	0.091	0.000	0.000	0.000	0.091
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	0.004	0.015	0.000	0.000	0.000	0.000	0.020
SE	0.000	0.000	0.000	0.070	0.027	0.029	0.000	0.000	0.000	0.125
SSE	0.000	0.000	0.006	0.015	0.029	0.000	0.000	0.000	0.000	0.049
S	0.000	0.000	0.007	0.037	0.000	0.000	0.000	0.000	0.000	0.044
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	0.009	0.009	0.000	0.000	0.018
SUBTOTAL	0.000	0.000	0.013	0.126	0.072	0.195	0.117	0.000	0.000	0.522

TOTAL HOURS OF VALID OBSERVATIONS	2066.000
TOTAL HOURS OF GROUND LEVEL RELEASE	200.190
TOTAL HOURS OF STABILITY CLASS A	10.790
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS A	10.790

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	0.030	0.014	0.000	0.000	0.050
NNE	0.000	0.000	0.000	0.000	0.000	0.018	0.000	0.000	0.000	0.018
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	0.000	0.005	0.000	0.000	0.000	0.005
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	0.010	0.000	0.000	0.000	0.000	0.000	0.010
SE	0.000	0.000	0.000	0.010	0.004	0.000	0.000	0.000	0.000	0.015
SSE	0.000	0.000	0.003	0.015	0.000	0.000	0.000	0.000	0.000	0.019
S	0.000	0.000	0.007	0.008	0.000	0.000	0.000	0.000	0.000	0.015
SSW	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.003
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	0.000	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	0.011	0.052	0.011	0.060	0.014	0.000	0.000	0.147

TOTAL HOURS OF VALID OBSERVATIONS	2066.000
TOTAL HOURS OF GROUND LEVEL RELEASE	200.190
TOTAL HOURS OF STABILITY CLASS B	3.030
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS B	3.030

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	0.073	0.023	0.000	0.000	0.096
NNE	0.000	0.000	0.000	0.002	0.004	0.000	0.000	0.000	0.000	0.006
NE	0.000	0.000	0.000	0.000	0.007	0.005	0.000	0.000	0.000	0.013
ENE	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.002
E	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001
ESE	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.004
SE	0.000	0.000	0.000	0.013	0.015	0.000	0.000	0.000	0.000	0.027
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	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.007
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	0.004	0.000	0.010	0.000	0.000	0.000	0.014
W	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.004
WNW	0.000	0.000	0.000	0.000	0.002	0.000	0.054	0.029	0.000	0.085
NW	0.000	0.000	0.000	0.000	0.000	0.070	0.025	0.000	0.000	0.095
NNW	0.000	0.000	0.000	0.000	0.004	0.016	0.000	0.000	0.000	0.020
SUBTOTAL	0.000	0.000	0.010	0.026	0.039	0.175	0.102	0.029	0.000	0.379

TOTAL HOURS OF VALID OBSERVATIONS	2066.000
TOTAL HOURS OF GROUND LEVEL RELEASE	200.190
TOTAL HOURS OF STABILITY CLASS C	15.280
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 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	0.019	0.081	0.195	0.025	0.000	0.000	0.320
NNE	0.000	0.000	0.000	0.034	0.154	0.189	0.010	0.000	0.000	0.387
NE	0.000	0.000	0.000	0.016	0.050	0.046	0.000	0.000	0.000	0.112
ENE	0.000	0.000	0.000	0.008	0.032	0.006	0.000	0.000	0.000	0.046
E	0.000	0.000	0.001	0.007	0.007	0.000	0.000	0.000	0.000	0.015
ESE	0.000	0.000	0.006	0.052	0.048	0.065	0.000	0.000	0.000	0.171
SE	0.000	0.000	0.017	0.098	0.156	0.079	0.000	0.000	0.000	0.351
SSE	0.000	0.000	0.009	0.212	0.045	0.000	0.000	0.000	0.000	0.266
S	0.000	0.000	0.037	0.047	0.066	0.000	0.000	0.000	0.000	0.150
SSW	0.000	0.000	0.004	0.014	0.008	0.000	0.000	0.000	0.000	0.026
SW	0.000	0.000	0.003	0.007	0.000	0.025	0.000	0.000	0.000	0.034
WSW	0.000	0.000	0.006	0.030	0.000	0.038	0.051	0.000	0.000	0.125
W	0.000	0.000	0.000	0.041	0.056	0.238	0.187	0.000	0.000	0.522
WNW	0.000	0.000	0.000	0.004	0.037	0.188	0.239	0.164	0.048	0.680
NW	0.000	0.000	0.000	0.007	0.050	0.278	0.505	0.145	0.048	1.033
NNW	0.000	0.000	0.000	0.006	0.061	0.258	0.019	0.000	0.000	0.345
SUBTOTAL	0.000	0.000	0.085	0.601	0.851	1.605	1.036	0.309	0.097	4.583

TOTAL HOURS OF VALID OBSERVATIONS 2066.000
TOTAL HOURS OF GROUND LEVEL RELEASE 200.190
TOTAL HOURS OF STABILITY CLASS D 1084.910
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS D 94.680

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	0.037	0.050	0.102	0.000	0.000	0.000	0.205
NNE	0.000	0.000	0.009	0.044	0.072	0.017	0.000	0.000	0.000	0.142
NE	0.000	0.000	0.009	0.061	0.029	0.000	0.000	0.000	0.000	0.099
ENE	0.000	0.000	0.003	0.055	0.000	0.000	0.000	0.000	0.000	0.058
E	0.000	0.000	0.019	0.060	0.000	0.000	0.000	0.000	0.000	0.078
ESE	0.000	0.000	0.101	0.118	0.077	0.000	0.000	0.000	0.000	0.296
SE	0.000	0.003	0.144	0.130	0.207	0.044	0.000	0.000	0.000	0.528
SSE	0.000	0.000	0.128	0.061	0.112	0.000	0.000	0.000	0.000	0.301
S	0.000	0.000	0.104	0.072	0.061	0.049	0.000	0.000	0.000	0.286
SSW	0.000	0.005	0.015	0.000	0.010	0.000	0.000	0.000	0.000	0.030
SW	0.000	0.000	0.003	0.000	0.000	0.010	0.000	0.000	0.000	0.014
WSW	0.000	0.000	0.015	0.007	0.000	0.009	0.000	0.000	0.000	0.031
W	0.000	0.000	0.000	0.031	0.005	0.009	0.000	0.000	0.000	0.045
WNW	0.000	0.000	0.001	0.007	0.000	0.008	0.000	0.000	0.000	0.016
NW	0.000	0.000	0.001	0.035	0.061	0.066	0.036	0.000	0.000	0.199
NNW	0.000	0.000	0.007	0.061	0.127	0.112	0.010	0.000	0.000	0.317
SUBTOTAL	0.000	0.008	0.575	0.778	0.810	0.427	0.046	0.000	0.000	2.645

TOTAL HOURS OF VALID OBSERVATIONS 2066.000
TOTAL HOURS OF GROUND LEVEL RELEASE 200.190
TOTAL HOURS OF STABILITY CLASS E 676.990
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS E 54.640

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	0.023	0.064	0.008	0.000	0.000	0.000	0.000	0.095
NNE	0.000	0.002	0.006	0.047	0.000	0.000	0.000	0.000	0.000	0.056
NE	0.000	0.002	0.012	0.036	0.007	0.000	0.000	0.000	0.000	0.058
ENE	0.000	0.000	0.022	0.014	0.000	0.000	0.000	0.000	0.000	0.036
E	0.000	0.000	0.106	0.045	0.000	0.000	0.000	0.000	0.000	0.151
ESE	0.000	0.005	0.097	0.024	0.000	0.000	0.000	0.000	0.000	0.126
SE	0.000	0.018	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.118
SSE	0.000	0.013	0.017	0.032	0.000	0.000	0.000	0.000	0.000	0.062
S	0.000	0.000	0.025	0.000	0.013	0.043	0.000	0.000	0.000	0.081
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	0.003	0.000	0.000	0.000	0.000	0.000	0.003
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	0.025	0.050	0.016	0.009	0.000	0.000	0.000	0.100
SUBTOTAL	0.000	0.040	0.434	0.316	0.045	0.052	0.000	0.000	0.000	0.887

TOTAL HOURS OF VALID OBSERVATIONS 2066.000
TOTAL HOURS OF GROUND LEVEL RELEASE 200.190
TOTAL HOURS OF STABILITY CLASS F 202.500
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS F 18.320

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	0.052	0.000	0.000	0.000	0.000	0.000	0.098
NNE	0.000	0.002	0.024	0.052	0.000	0.000	0.000	0.000	0.000	0.077
NE	0.000	0.014	0.023	0.022	0.000	0.000	0.000	0.000	0.000	0.059
ENE	0.000	0.000	0.025	0.019	0.000	0.000	0.000	0.000	0.000	0.044
E	0.000	0.021	0.013	0.021	0.000	0.000	0.000	0.000	0.000	0.055
ESE	0.000	0.018	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.028
SE	0.000	0.018	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.041
SSE	0.000	0.000	0.001	0.023	0.000	0.000	0.000	0.000	0.000	0.025
S	0.000	0.006	0.007	0.000	0.000	0.072	0.000	0.000	0.000	0.085
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	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
WNW	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.005
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	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.010
SUBTOTAL	0.000	0.081	0.186	0.189	0.000	0.072	0.000	0.000	0.000	0.528

TOTAL HOURS OF VALID OBSERVATIONS 2066.000
TOTAL HOURS OF GROUND LEVEL RELEASE 200.190
TOTAL HOURS OF STABILITY CLASS G 72.500
TOTAL HOURS OF GROUND LEVEL STABILITY CLASS G 10.900

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 10.03 AND 45.30 METERS
WIND DIRECTION MEASURED AT 10.42 METER LEVEL
WIND SPEED MEASURED AT 10.42 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - MAR 31, 2000

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	2111.000
TOTAL HOURS OF ELEVATED RELEASES	1823.470
TOTAL HOURS OF STABILITY CLASS A	18.690
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 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

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, 2000 - MAR 31, 2000

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	0.038	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	0.000	0.038	0.000	0.000	0.038

TOTAL HOURS OF VALID OBSERVATIONS	2111.000
TOTAL HOURS OF ELEVATED RELEASES	1823.470
TOTAL HOURS OF STABILITY CLASS B	9.610
TOTAL HOURS OF ELEVATED STABILITY CLASS B	0.800

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

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, 2000 - MAR 31, 2000

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	0.039	0.000	0.000	0.039
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	0.047	0.000	0.000	0.000	0.000	0.047
WSW	0.000	0.000	0.000	0.000	0.047	0.041	0.000	0.000	0.000	0.089
W	0.000	0.000	0.000	0.000	0.092	0.000	0.000	0.000	0.000	0.092
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	0.187	0.041	0.077	0.000	0.000	0.305

TOTAL HOURS OF VALID OBSERVATIONS 2111.000
TOTAL HOURS OF ELEVATED RELEASES 1823.470
TOTAL HOURS OF STABILITY CLASS C 16.810
TOTAL HOURS OF ELEVATED STABILITY CLASS C 6.440

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

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, 2000 - MAR 31, 2000

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	0.237	0.284	0.905	1.952	1.425	0.129	0.000	4.932
NNE	0.000	0.000	0.000	0.379	0.638	2.295	0.970	0.035	0.000	4.316
NE	0.000	0.000	0.047	0.237	0.723	1.722	0.000	0.000	0.000	2.730
ENE	0.000	0.000	0.189	0.521	0.182	0.758	0.000	0.000	0.000	1.651
E	0.000	0.000	0.047	0.189	0.365	0.170	0.000	0.000	0.000	0.772
ESE	0.000	0.000	0.047	0.189	0.452	0.289	0.077	0.067	0.000	1.123
SE	0.000	0.000	0.047	0.332	0.277	0.920	0.154	0.171	0.055	1.956
SSE	0.000	0.000	0.284	0.000	0.092	0.491	0.622	0.099	0.023	1.612
S	0.000	0.000	0.142	0.237	0.136	0.524	0.847	0.319	0.062	2.267
SSW	0.000	0.000	0.189	0.284	0.133	0.612	0.849	0.014	0.000	2.081
SW	0.000	0.000	0.189	0.237	0.186	0.622	0.115	0.000	0.000	1.349
WSW	0.000	0.047	0.189	0.142	0.276	0.332	0.153	0.000	0.000	1.140
W	0.000	0.000	0.095	0.474	0.466	0.584	0.616	0.144	0.000	2.378
WNW	0.000	0.000	0.047	0.379	0.678	1.375	0.310	0.232	0.005	3.027
NW	0.000	0.000	0.047	0.237	0.736	1.125	2.109	0.620	0.019	4.893
NNW	0.000	0.000	0.095	0.189	0.228	2.277	1.616	0.284	0.000	4.689
SUBTOTAL	0.000	0.047	1.895	4.311	6.473	16.048	9.863	2.113	0.163	40.914

TOTAL HOURS OF VALID OBSERVATIONS 2111.000
TOTAL HOURS OF ELEVATED RELEASES 1823.470
TOTAL HOURS OF STABILITY CLASS D 960.510
TOTAL HOURS OF ELEVATED STABILITY CLASS D 863.690

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

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, 2000 - MAR 31, 2000

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	0.095	0.237	0.642	0.421	0.039	0.000	0.000	1.482
NNE	0.000	0.047	0.095	0.142	0.367	1.118	0.156	0.000	0.000	1.925
NE	0.000	0.000	0.047	0.142	0.274	1.128	0.274	0.000	0.000	1.865
ENE	0.000	0.000	0.047	0.284	0.321	0.674	0.117	0.000	0.000	1.443
E	0.000	0.000	0.189	0.189	0.412	0.166	0.000	0.000	0.000	0.956
ESE	0.000	0.000	0.047	0.284	1.004	1.129	0.117	0.036	0.000	2.618
SE	0.000	0.000	0.095	0.332	0.818	1.619	1.159	0.208	0.011	4.242
SSE	0.000	0.000	0.142	0.332	0.315	1.859	2.117	0.531	0.008	5.305
S	0.000	0.000	0.237	0.237	0.089	1.595	1.733	0.500	0.020	4.411
SSW	0.000	0.000	0.237	0.568	0.133	1.153	1.123	0.090	0.000	3.304
SW	0.000	0.000	0.379	0.426	0.272	0.702	0.351	0.000	0.000	2.130
WSW	0.000	0.000	0.237	0.142	0.091	0.339	0.038	0.000	0.000	0.847
W	0.000	0.095	0.047	0.332	0.495	0.542	0.000	0.000	0.000	1.512
WNW	0.000	0.000	0.047	0.189	0.000	0.249	0.116	0.000	0.000	0.602
NW	0.000	0.000	0.142	0.189	0.137	0.290	0.504	0.029	0.000	1.292
NNW	0.000	0.000	0.142	0.142	0.180	1.127	0.272	0.000	0.000	1.865
SUBTOTAL	0.000	0.189	2.226	4.169	5.551	14.111	8.117	1.396	0.040	35.799

TOTAL HOURS OF VALID OBSERVATIONS 2111.000
TOTAL HOURS OF ELEVATED RELEASES 1823.470
TOTAL HOURS OF STABILITY CLASS E 824.250
TOTAL HOURS OF ELEVATED STABILITY CLASS E 755.720

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

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, 2000 - MAR 31, 2000

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	0.189	0.047	0.168	0.000	0.000	0.000	0.452
NNE	0.000	0.000	0.000	0.000	0.045	0.327	0.000	0.000	0.000	0.373
NE	0.000	0.000	0.047	0.000	0.134	0.204	0.078	0.000	0.000	0.463
ENE	0.000	0.000	0.047	0.047	0.138	0.290	0.039	0.000	0.000	0.561
E	0.000	0.000	0.047	0.142	0.092	0.129	0.000	0.000	0.000	0.411
ESE	0.000	0.000	0.047	0.142	0.269	0.168	0.000	0.000	0.000	0.626
SE	0.000	0.000	0.095	0.095	0.095	0.424	0.078	0.000	0.000	0.786
SSE	0.000	0.142	0.047	0.095	0.137	0.335	0.038	0.000	0.000	0.794
S	0.000	0.000	0.047	0.047	0.045	0.380	0.000	0.000	0.000	0.520
SSW	0.000	0.000	0.047	0.237	0.044	0.252	0.000	0.000	0.000	0.580
SW	0.000	0.000	0.095	0.521	0.138	0.000	0.000	0.000	0.000	0.754
WSW	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.047
W	0.000	0.047	0.095	0.000	0.000	0.000	0.000	0.000	0.000	0.142
WNW	0.000	0.000	0.047	0.000	0.045	0.000	0.000	0.000	0.000	0.093
NW	0.000	0.047	0.047	0.142	0.000	0.043	0.000	0.000	0.000	0.279
NNW	0.000	0.095	0.047	0.047	0.000	0.209	0.000	0.000	0.000	0.398
SUBTOTAL	0.000	0.332	0.805	1.753	1.229	2.928	0.233	0.000	0.000	7.279

TOTAL HOURS OF VALID OBSERVATIONS 2111.000
TOTAL HOURS OF ELEVATED RELEASES 1823.470
TOTAL HOURS OF STABILITY CLASS F 206.410
TOTAL HOURS OF ELEVATED STABILITY CLASS F 153.670

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

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, 2000 - MAR 31, 2000

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	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047
ENE	0.000	0.000	0.000	0.000	0.000	0.166	0.000	0.000	0.000	0.166
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	0.189	0.090	0.172	0.000	0.000	0.000	0.499
SE	0.000	0.000	0.095	0.237	0.314	0.175	0.000	0.000	0.000	0.820
SSE	0.000	0.000	0.095	0.047	0.045	0.043	0.000	0.000	0.000	0.229
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	0.095	0.000	0.000	0.000	0.000	0.000	0.095
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	0.047	0.047	0.000	0.000	0.000	0.000	0.000	0.095
NNW	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.047
SUBTOTAL	0.000	0.047	0.332	0.616	0.494	0.555	0.000	0.000	0.000	2.044

TOTAL HOURS OF VALID OBSERVATIONS	2111.000
TOTAL HOURS OF ELEVATED RELEASES	1823.470
TOTAL HOURS OF STABILITY CLASS G	74.720
TOTAL HOURS OF ELEVATED STABILITY CLASS G	43.150

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000524

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - JUN 30, 2000

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 2148.000
TOTAL HOURS OF ELEVATED RELEASES 1934.100
TOTAL HOURS OF STABILITY CLASS A 25.900
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 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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 2148.000
TOTAL HOURS OF ELEVATED RELEASES 1934.100
TOTAL HOURS OF STABILITY CLASS B 11.260
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 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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 2148.000
TOTAL HOURS OF ELEVATED RELEASES 1934.100
TOTAL HOURS OF STABILITY CLASS C 13.790
TOTAL HOURS OF ELEVATED STABILITY CLASS C 0.000

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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	0.093	0.047	0.269	1.105	0.454	0.029	0.000	1.997
NNE	0.000	0.000	0.140	0.093	0.131	0.564	0.613	0.000	0.000	1.540
NE	0.000	0.000	0.047	0.140	0.047	0.042	0.037	0.000	0.000	0.312
ENE	0.000	0.000	0.000	0.047	0.000	0.041	0.076	0.000	0.000	0.163
E	0.000	0.000	0.047	0.000	0.000	0.084	0.000	0.000	0.000	0.130
ESE	0.000	0.000	0.000	0.047	0.043	0.324	0.039	0.000	0.000	0.453
SE	0.000	0.000	0.372	0.791	0.090	0.323	0.266	0.029	0.000	1.872
SSE	0.000	0.000	0.140	0.233	0.269	0.487	0.269	0.000	0.000	1.398
S	0.000	0.000	0.419	0.605	0.355	1.956	0.763	0.000	0.000	4.097
SSW	0.000	0.000	0.233	0.605	0.449	1.551	1.293	0.073	0.000	4.204
SW	0.000	0.000	0.326	0.466	0.446	1.298	0.230	0.000	0.000	2.766
WSW	0.000	0.047	0.233	0.838	0.227	1.140	0.077	0.000	0.000	2.561
W	0.000	0.000	0.093	0.652	0.764	0.808	0.486	0.000	0.000	2.804
WNW	0.000	0.000	0.047	0.233	0.492	0.817	0.451	0.194	0.000	2.233
NW	0.000	0.000	0.000	0.093	0.180	1.262	0.605	0.321	0.030	2.491
NNW	0.000	0.000	0.000	0.233	0.224	0.736	0.456	0.176	0.000	1.826
SUBTOTAL	0.000	0.047	2.188	5.121	3.987	12.537	6.115	0.823	0.030	30.847

TOTAL HOURS OF VALID OBSERVATIONS 2148.000
TOTAL HOURS OF ELEVATED RELEASES 1934.100
TOTAL HOURS OF STABILITY CLASS D 745.830
TOTAL HOURS OF ELEVATED STABILITY CLASS D 662.590

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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	0.279	0.093	0.179	0.822	0.077	0.000	0.000	1.450
NNE	0.000	0.000	0.093	0.279	0.356	0.696	0.039	0.000	0.000	1.464
NE	0.000	0.000	0.140	0.047	0.402	0.408	0.038	0.000	0.000	1.034
ENE	0.000	0.000	0.093	0.372	0.317	0.249	0.000	0.000	0.000	1.031
E	0.000	0.000	0.140	0.140	0.311	0.379	0.000	0.000	0.000	0.970
ESE	0.000	0.000	0.140	0.652	0.626	1.229	0.114	0.000	0.000	2.760
SE	0.000	0.000	0.838	2.048	1.614	1.955	0.609	0.060	0.000	7.124
SSE	0.000	0.000	0.605	1.443	1.442	1.340	1.031	0.292	0.003	6.156
S	0.000	0.000	0.233	0.978	0.715	3.367	1.712	0.284	0.000	7.288
SSW	0.000	0.000	0.279	0.605	0.405	2.162	2.428	0.400	0.000	6.279
SW	0.000	0.047	0.326	0.326	0.853	0.983	0.307	0.000	0.000	2.841
WSW	0.000	0.047	0.186	0.512	0.266	0.334	0.000	0.000	0.000	1.345
W	0.000	0.047	0.279	0.372	0.454	0.376	0.074	0.000	0.000	1.602
WNW	0.000	0.047	0.279	0.140	0.266	0.326	0.155	0.000	0.000	1.213
NW	0.000	0.047	0.140	0.047	0.363	1.228	0.458	0.145	0.005	2.432
NNW	0.000	0.000	0.140	0.279	0.495	1.498	0.345	0.000	0.000	2.756
SUBTOTAL	0.000	0.233	4.190	8.333	9.065	17.349	7.385	1.182	0.008	47.744

TOTAL HOURS OF VALID OBSERVATIONS 2148.000
TOTAL HOURS OF ELEVATED RELEASES 1934.100
TOTAL HOURS OF STABILITY CLASS E 1076.740
TOTAL HOURS OF ELEVATED STABILITY CLASS E 1025.550

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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	0.363	0.000	0.000	0.000	0.363
NNE	0.000	0.000	0.000	0.047	0.000	0.642	0.077	0.000	0.000	0.766
NE	0.000	0.000	0.047	0.140	0.217	0.324	0.000	0.000	0.000	0.728
ENE	0.000	0.000	0.000	0.047	0.089	0.250	0.000	0.000	0.000	0.385
E	0.000	0.000	0.000	0.047	0.224	0.205	0.000	0.000	0.000	0.476
ESE	0.000	0.000	0.000	0.233	0.224	0.168	0.000	0.000	0.000	0.625
SE	0.000	0.000	0.233	0.326	0.541	0.169	0.000	0.000	0.000	1.268
SSE	0.000	0.047	0.326	0.233	0.313	0.209	0.000	0.000	0.000	1.128
S	0.000	0.000	0.233	0.605	0.136	0.290	0.039	0.000	0.000	1.303
SSW	0.000	0.000	0.047	0.233	0.046	0.208	0.000	0.000	0.000	0.533
SW	0.000	0.000	0.140	0.233	0.091	0.125	0.000	0.000	0.000	0.589
WSW	0.000	0.047	0.140	0.093	0.047	0.000	0.000	0.000	0.000	0.326
W	0.000	0.047	0.140	0.186	0.000	0.000	0.000	0.000	0.000	0.372
WNW	0.000	0.047	0.047	0.047	0.088	0.000	0.000	0.000	0.000	0.228
NW	0.000	0.000	0.000	0.000	0.266	0.085	0.000	0.000	0.000	0.351
NNW	0.000	0.000	0.047	0.000	0.088	0.205	0.000	0.000	0.000	0.340
SUBTOTAL	0.000	0.186	1.397	2.467	2.371	3.243	0.116	0.000	0.000	9.780

TOTAL HOURS OF VALID OBSERVATIONS	2148.000
TOTAL HOURS OF ELEVATED RELEASES	1934.100
TOTAL HOURS OF STABILITY CLASS F	231.360
TOTAL HOURS OF ELEVATED STABILITY CLASS F	210.080

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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	0.000	0.000	0.000	0.040
NNE	0.000	0.000	0.000	0.000	0.000	0.156	0.000	0.000	0.000	0.156
NE	0.000	0.000	0.000	0.000	0.044	0.041	0.000	0.000	0.000	0.085
ENE	0.000	0.000	0.000	0.047	0.224	0.209	0.000	0.000	0.000	0.480
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	0.047	0.047	0.000	0.000	0.000	0.000	0.000	0.093
SE	0.000	0.000	0.047	0.047	0.043	0.085	0.000	0.000	0.000	0.221
SSE	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.047
S	0.000	0.000	0.047	0.000	0.047	0.000	0.000	0.000	0.000	0.093
SSW	0.000	0.000	0.047	0.093	0.000	0.000	0.000	0.000	0.000	0.140
SW	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.047
WSW	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047
W	0.000	0.000	0.000	0.047	0.090	0.042	0.000	0.000	0.000	0.179
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	0.000	0.000	0.000	0.000	0.045
SUBTOTAL	0.000	0.047	0.279	0.279	0.493	0.572	0.000	0.000	0.000	1.670

TOTAL HOURS OF VALID OBSERVATIONS 2148.000
TOTAL HOURS OF ELEVATED RELEASES 1934.100
TOTAL HOURS OF STABILITY CLASS G 43.120
TOTAL HOURS OF ELEVATED STABILITY CLASS G 35.880

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20000811

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - SEP 30, 2000

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	0.046	0.000	0.082	0.000	0.000	0.000	0.128
WSW	0.000	0.000	0.000	0.046	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	0.000	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	0.092	0.000	0.082	0.000	0.000	0.000	0.174

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF ELEVATED RELEASES 1989.970
TOTAL HOURS OF STABILITY CLASS A 34.010
TOTAL HOURS OF ELEVATED STABILITY CLASS A 3.780

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.046	0.000	0.000	0.000	0.000	0.000	0.046
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	0.046	0.000	0.000	0.000	0.000	0.000	0.046
WSW	0.000	0.000	0.000	0.000	0.000	0.083	0.000	0.000	0.000	0.083
W	0.000	0.000	0.000	0.000	0.178	0.000	0.000	0.000	0.000	0.178
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	0.092	0.178	0.083	0.000	0.000	0.000	0.354

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF ELEVATED RELEASES 1989.970
TOTAL HOURS OF STABILITY CLASS B 16.410
TOTAL HOURS OF ELEVATED STABILITY CLASS B 7.670

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.081	0.190	0.000	0.000	0.271
NNE	0.000	0.000	0.000	0.000	0.000	0.158	0.112	0.000	0.000	0.271
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	0.076	0.000	0.000	0.076
SE	0.000	0.000	0.000	0.000	0.045	0.040	0.037	0.036	0.000	0.158
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	0.041	0.000	0.000	0.000	0.088
SW	0.000	0.000	0.000	0.046	0.133	0.081	0.000	0.000	0.000	0.260
WSW	0.000	0.000	0.000	0.184	0.086	0.042	0.000	0.000	0.000	0.313
W	0.000	0.000	0.000	0.000	0.224	0.041	0.000	0.000	0.000	0.266
WNW	0.000	0.000	0.000	0.000	0.000	0.041	0.037	0.000	0.000	0.078
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.038	0.000	0.000	0.038
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	0.277	0.489	0.527	0.491	0.036	0.000	1.819

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF ELEVATED RELEASES 1989.970
TOTAL HOURS OF STABILITY CLASS C 47.800
TOTAL HOURS OF ELEVATED STABILITY CLASS C 39.450

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.184	0.138	0.401	1.892	0.945	0.043	0.000	3.604
NNE	0.000	0.000	0.092	0.369	0.532	2.410	1.171	0.069	0.000	4.642
NE	0.000	0.000	0.000	0.184	0.436	1.049	0.342	0.000	0.000	2.011
ENE	0.000	0.000	0.046	0.184	0.359	0.365	0.114	0.000	0.000	1.069
E	0.000	0.000	0.046	0.138	0.226	0.405	0.038	0.000	0.000	0.854
ESE	0.000	0.000	0.000	0.092	0.219	1.970	0.832	0.030	0.000	3.144
SE	0.000	0.000	0.323	0.645	1.237	2.219	1.160	0.163	0.000	5.747
SSE	0.000	0.000	0.415	1.107	1.276	1.984	0.152	0.000	0.000	4.933
S	0.000	0.000	0.415	1.199	0.983	1.324	0.523	0.030	0.000	4.474
SSW	0.000	0.000	0.369	1.291	0.844	0.444	0.452	0.071	0.000	3.471
SW	0.000	0.000	0.323	0.645	0.493	0.160	0.076	0.000	0.000	1.698
WSW	0.000	0.000	0.092	0.876	0.895	0.244	0.000	0.000	0.000	2.108
W	0.000	0.000	0.369	0.784	0.838	0.863	0.037	0.000	0.000	2.891
WNW	0.000	0.000	0.000	0.231	0.438	1.219	0.226	0.041	0.000	2.155
NW	0.000	0.000	0.138	0.092	0.843	1.130	0.262	0.131	0.000	2.597
NNW	0.000	0.000	0.000	0.323	0.397	0.973	0.303	0.000	0.000	1.995
SUBTOTAL	0.000	0.000	2.812	8.299	10.417	18.652	6.633	0.579	0.000	47.392

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF ELEVATED RELEASES 1989.970
TOTAL HOURS OF STABILITY CLASS D 1081.890
TOTAL HOURS OF ELEVATED STABILITY CLASS D 1027.940

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.046	0.092	0.529	1.129	0.153	0.000	0.000	1.996
NNE	0.000	0.046	0.184	0.231	0.743	1.458	0.382	0.000	0.000	3.044
NE	0.000	0.046	0.323	0.231	0.532	1.422	0.229	0.000	0.000	2.782
ENE	0.000	0.000	0.138	0.138	0.358	0.533	0.000	0.000	0.000	1.168
E	0.000	0.000	0.046	0.323	0.711	0.698	0.000	0.000	0.000	1.778
ESE	0.000	0.000	0.323	0.461	0.350	2.271	0.076	0.000	0.000	3.480
SE	0.000	0.046	0.369	0.369	0.705	1.026	0.038	0.000	0.000	2.553
SSE	0.000	0.000	0.231	0.599	0.716	0.447	0.076	0.000	0.000	2.069
S	0.000	0.000	0.415	0.784	0.403	0.329	0.337	0.000	0.000	2.267
SSW	0.000	0.000	0.092	0.415	0.265	0.688	0.113	0.000	0.000	1.574
SW	0.000	0.000	0.231	0.876	0.227	0.040	0.000	0.000	0.000	1.373
WSW	0.000	0.000	0.184	1.060	0.045	0.125	0.000	0.000	0.000	1.415
W	0.000	0.000	0.461	0.692	0.714	0.416	0.000	0.000	0.000	2.282
WNW	0.000	0.000	0.138	0.138	0.358	0.707	0.000	0.000	0.000	1.342
NW	0.000	0.046	0.092	0.323	0.263	0.241	0.228	0.000	0.000	1.193
NNW	0.000	0.000	0.046	0.277	0.130	0.364	0.000	0.029	0.000	0.846
SUBTOTAL	0.000	0.231	3.320	7.008	7.051	11.894	1.631	0.029	0.000	31.162

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF ELEVATED RELEASES 1989.970
TOTAL HOURS OF STABILITY CLASS E 723.200
TOTAL HOURS OF ELEVATED STABILITY CLASS E 675.910

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.129	0.404	0.000	0.000	0.000	0.579
NNE	0.000	0.000	0.000	0.046	0.046	0.888	0.304	0.000	0.000	1.284
NE	0.000	0.046	0.092	0.461	0.311	0.767	0.153	0.000	0.000	1.830
ENE	0.000	0.000	0.138	0.092	0.264	0.122	0.000	0.000	0.000	0.617
E	0.000	0.000	0.046	0.277	0.043	0.371	0.000	0.000	0.000	0.736
ESE	0.000	0.000	0.046	0.092	0.309	0.085	0.000	0.000	0.000	0.533
SE	0.000	0.046	0.092	0.138	0.314	0.042	0.000	0.000	0.000	0.633
SSE	0.000	0.000	0.092	0.000	0.043	0.000	0.000	0.000	0.000	0.135
S	0.000	0.000	0.092	0.046	0.088	0.041	0.000	0.000	0.000	0.267
SSW	0.000	0.000	0.000	0.184	0.179	0.083	0.000	0.000	0.000	0.447
SW	0.000	0.000	0.092	0.184	0.046	0.000	0.000	0.000	0.000	0.323
WSW	0.000	0.046	0.046	0.231	0.043	0.041	0.000	0.000	0.000	0.407
W	0.000	0.000	0.092	0.000	0.136	0.000	0.000	0.000	0.000	0.228
WNW	0.000	0.000	0.092	0.046	0.000	0.000	0.000	0.000	0.000	0.138
NW	0.000	0.000	0.046	0.046	0.000	0.000	0.000	0.000	0.000	0.092
NNW	0.000	0.000	0.000	0.092	0.132	0.126	0.000	0.033	0.000	0.383
SUBTOTAL	0.000	0.138	0.968	1.982	2.083	2.970	0.457	0.033	0.000	8.631

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF ELEVATED RELEASES 1989.970
TOTAL HOURS OF STABILITY CLASS F 206.820
TOTAL HOURS OF ELEVATED STABILITY CLASS F 187.210

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

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, 2000 - SEP 30, 2000

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	0.046	0.000	0.089	0.825	0.229	0.000	0.000	1.189
NE	0.000	0.000	0.000	0.046	0.177	0.320	0.000	0.000	0.000	0.543
ENE	0.000	0.000	0.000	0.092	0.087	0.040	0.000	0.000	0.000	0.219
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	0.041	0.000	0.000	0.000	0.041
SE	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	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	0.000	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	0.000	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	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.046
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	0.046	0.000	0.000	0.000	0.000	0.000	0.046
SUBTOTAL	0.000	0.000	0.092	0.231	0.397	1.265	0.229	0.000	0.000	2.213

TOTAL HOURS OF VALID OBSERVATIONS 2169.000
TOTAL HOURS OF ELEVATED RELEASES 1989.970
TOTAL HOURS OF STABILITY CLASS G 58.870
TOTAL HOURS OF ELEVATED STABILITY CLASS G 48.010

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20001121

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - DEC 31, 2000

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 2066.000
TOTAL HOURS OF ELEVATED RELEASES 1865.810
TOTAL HOURS OF STABILITY CLASS A 10.790
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 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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 2066.000
TOTAL HOURS OF ELEVATED RELEASES 1865.810
TOTAL HOURS OF STABILITY CLASS B 3.030
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 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	0.000	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	0.042	0.000	0.000	0.000	0.042
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	0.048	0.000	0.000	0.000	0.000	0.048
SW	0.000	0.000	0.000	0.097	0.000	0.000	0.000	0.000	0.000	0.097
WSW	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.045
W	0.000	0.000	0.000	0.048	0.000	0.042	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	0.000	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	0.145	0.048	0.128	0.039	0.000	0.000	0.361

TOTAL HOURS OF VALID OBSERVATIONS 2066.000
TOTAL HOURS OF ELEVATED RELEASES 1865.810
TOTAL HOURS OF STABILITY CLASS C 15.280
TOTAL HOURS OF ELEVATED STABILITY CLASS C 7.450

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	0.003	0.000	0.145	0.532	0.469	1.679	1.414	0.380	0.000	4.623
NNE	0.006	0.000	0.290	0.484	1.165	3.014	0.632	0.038	0.000	5.629
NE	0.006	0.048	0.242	0.678	0.746	0.815	0.000	0.000	0.000	2.536
ENE	0.002	0.000	0.097	0.629	0.470	0.262	0.000	0.000	0.000	1.459
E	0.003	0.000	0.145	0.532	0.192	0.000	0.000	0.000	0.000	0.873
ESE	0.009	0.048	0.387	0.581	1.076	0.772	0.080	0.033	0.000	2.987
SE	0.005	0.000	0.242	1.113	1.399	0.897	0.629	0.316	0.028	4.628
SSE	0.010	0.048	0.436	0.290	0.604	1.027	0.988	0.131	0.000	3.534
S	0.010	0.000	0.484	0.242	0.323	0.764	0.513	0.236	0.000	2.572
SSW	0.010	0.000	0.484	0.242	0.046	0.087	0.078	0.000	0.000	0.948
SW	0.006	0.048	0.242	0.339	0.232	0.297	0.000	0.024	0.000	1.188
WSW	0.006	0.097	0.194	0.290	0.518	0.174	0.038	0.084	0.000	1.402
W	0.003	0.000	0.145	0.629	0.837	1.306	0.868	0.325	0.005	4.119
WNW	0.008	0.000	0.387	0.387	0.327	1.101	0.706	0.519	0.019	3.455
NW	0.005	0.000	0.242	0.532	0.653	2.020	1.289	0.494	0.011	5.247
NNW	0.002	0.000	0.097	0.339	0.230	1.350	0.713	0.000	0.000	2.731
SUBTOTAL	0.097	0.290	4.259	7.841	9.287	15.565	7.948	2.579	0.062	47.930

TOTAL HOURS OF VALID OBSERVATIONS	2066.000
TOTAL HOURS OF ELEVATED RELEASES	1865.810
TOTAL HOURS OF STABILITY CLASS D	1084.910
TOTAL HOURS OF ELEVATED STABILITY CLASS D	990.230

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	0.001	0.000	0.097	0.339	0.187	0.846	0.359	0.000	0.000	1.829
NNE	0.003	0.000	0.242	0.145	0.462	1.060	0.000	0.000	0.000	1.913
NE	0.002	0.000	0.145	0.145	0.657	0.870	0.000	0.000	0.000	1.819
ENE	0.003	0.000	0.242	0.097	0.464	0.645	0.000	0.000	0.000	1.450
E	0.002	0.048	0.145	0.194	0.411	0.652	0.000	0.000	0.000	1.453
ESE	0.005	0.048	0.387	0.387	0.608	1.198	0.119	0.055	0.000	2.809
SE	0.008	0.000	0.678	0.871	1.086	2.258	0.395	0.126	0.000	5.422
SSE	0.008	0.000	0.678	0.629	0.647	1.018	0.118	0.175	0.000	3.273
S	0.003	0.048	0.194	1.307	0.281	0.721	0.198	0.025	0.005	2.782
SSW	0.001	0.000	0.097	0.629	0.375	0.258	0.078	0.000	0.000	1.439
SW	0.005	0.097	0.339	0.387	0.232	0.171	0.000	0.000	0.000	1.231
WSW	0.001	0.000	0.048	0.387	0.375	0.000	0.078	0.000	0.000	0.889
W	0.001	0.000	0.048	0.242	0.373	0.130	0.000	0.000	0.000	0.794
WNW	0.001	0.000	0.048	0.097	0.045	0.085	0.000	0.000	0.000	0.276
NW	0.002	0.000	0.145	0.242	0.046	0.460	0.592	0.034	0.000	1.522
NNW	0.001	0.097	0.000	0.145	0.093	0.766	0.121	0.000	0.000	1.223
SUBTOTAL	0.048	0.339	3.533	6.244	6.343	11.138	2.057	0.415	0.005	30.123

TOTAL HOURS OF VALID OBSERVATIONS 2066.000
TOTAL HOURS OF ELEVATED RELEASES 1865.810
TOTAL HOURS OF STABILITY CLASS E 676.990
TOTAL HOURS OF ELEVATED STABILITY CLASS E 622.350

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	0.003	0.000	0.097	0.145	0.000	0.299	0.000	0.000	0.000	0.543
NNE	0.000	0.000	0.000	0.000	0.092	0.252	0.000	0.000	0.000	0.345
NE	0.000	0.000	0.000	0.194	0.139	0.127	0.000	0.000	0.000	0.460
ENE	0.001	0.000	0.048	0.097	0.091	0.428	0.000	0.000	0.000	0.665
E	0.003	0.000	0.097	0.048	0.182	0.130	0.000	0.000	0.000	0.461
ESE	0.004	0.000	0.145	0.242	0.421	0.567	0.000	0.000	0.000	1.379
SE	0.008	0.000	0.290	0.823	0.615	0.128	0.000	0.000	0.000	1.864
SSE	0.005	0.000	0.194	0.145	0.139	0.128	0.000	0.000	0.000	0.611
S	0.004	0.000	0.145	0.097	0.141	0.127	0.000	0.000	0.000	0.515
SSW	0.003	0.000	0.097	0.242	0.046	0.042	0.000	0.000	0.000	0.430
SW	0.000	0.000	0.000	0.145	0.233	0.000	0.000	0.000	0.000	0.379
WSW	0.003	0.048	0.048	0.194	0.096	0.000	0.000	0.000	0.000	0.389
W	0.004	0.000	0.145	0.048	0.046	0.000	0.000	0.000	0.000	0.244
WNW	0.003	0.097	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.099
NW	0.005	0.048	0.145	0.048	0.000	0.000	0.000	0.000	0.000	0.247
NNW	0.004	0.097	0.048	0.000	0.095	0.041	0.000	0.000	0.000	0.285
SUBTOTAL	0.048	0.290	1.500	2.469	2.337	2.270	0.000	0.000	0.000	8.915

TOTAL HOURS OF VALID OBSERVATIONS 2066.000
TOTAL HOURS OF ELEVATED RELEASES 1865.810
TOTAL HOURS OF STABILITY CLASS F 202.500
TOTAL HOURS OF ELEVATED STABILITY CLASS F 184.180

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	0.003	0.000	0.048	0.000	0.047	0.255	0.040	0.000	0.000	0.393
NE	0.003	0.000	0.048	0.145	0.091	0.041	0.000	0.000	0.000	0.329
ENE	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.048
E	0.003	0.000	0.048	0.048	0.000	0.000	0.000	0.000	0.000	0.099
ESE	0.000	0.000	0.000	0.048	0.045	0.264	0.000	0.000	0.000	0.357
SE	0.011	0.048	0.145	0.339	0.231	0.176	0.000	0.000	0.000	0.950
SSE	0.003	0.000	0.048	0.145	0.048	0.000	0.000	0.000	0.000	0.245
S	0.003	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.051
SSW	0.005	0.048	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.102
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	0.008	0.048	0.097	0.000	0.000	0.000	0.000	0.000	0.000	0.153
WNW	0.003	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.051
NW	0.005	0.000	0.097	0.048	0.000	0.000	0.000	0.000	0.000	0.151
NNW	0.003	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.051
SUBTOTAL	0.048	0.145	0.726	0.823	0.463	0.736	0.040	0.000	0.000	2.982

TOTAL HOURS OF VALID OBSERVATIONS	2066.000
TOTAL HOURS OF ELEVATED RELEASES	1865.810
TOTAL HOURS OF STABILITY CLASS G	72.500
TOTAL HOURS OF ELEVATED STABILITY CLASS G	61.600

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND DIRECTION MEASURED AT 45.67 METER LEVEL
WIND SPEED MEASURED AT 45.67 METER LEVEL
EFFLUENT VELOCITY = 12.60 M/S

DATE PRINTED: 20010209

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - MAR 31, 2000

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	2164
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	2107
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 92.63 METER LEVEL

DATE PRINTED: 20000523

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, 2000 - MAR 31, 2000

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	0.047	0.000	0.047
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	0.047	0.000	0.047

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2164
TOTAL HOURS OF STABILITY CLASS B	1
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	1
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2107
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 92.63 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 21.50

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, 2000 - MAR 31, 2000

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	0.047	0.000	0.000	0.047
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	0.047	0.000	0.000	0.000	0.000	0.047
WSW	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.047
W	0.000	0.000	0.000	0.000	0.047	0.047	0.047	0.000	0.000	0.142
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.000	0.047
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	0.142	0.047	0.095	0.047	0.000	0.332

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2164
TOTAL HOURS OF STABILITY CLASS C	7
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	7
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2107
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 92.63 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 11.27

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, 2000 - MAR 31, 2000

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	0.190	0.332	0.427	2.421	1.566	0.617	0.047	5.600
NNE	0.000	0.000	0.047	0.237	0.285	2.326	1.376	0.190	0.000	4.461
NE	0.000	0.000	0.000	0.142	0.285	2.136	0.332	0.000	0.000	2.895
ENE	0.000	0.047	0.095	0.142	0.332	0.759	0.142	0.000	0.000	1.519
E	0.000	0.000	0.190	0.285	0.285	0.380	0.047	0.000	0.000	1.187
ESE	0.000	0.000	0.000	0.142	0.285	0.759	0.285	0.237	0.000	1.709
SE	0.000	0.000	0.095	0.095	0.095	0.570	0.380	0.237	0.570	2.041
SSE	0.000	0.000	0.190	0.095	0.095	0.475	0.759	0.142	0.142	1.898
S	0.000	0.000	0.142	0.142	0.000	0.380	1.281	0.522	0.759	3.227
SSW	0.000	0.000	0.047	0.095	0.142	0.190	1.424	0.237	0.047	2.183
SW	0.000	0.000	0.142	0.142	0.047	0.285	0.664	0.095	0.000	1.376
WSW	0.000	0.047	0.142	0.285	0.285	0.237	0.380	0.285	0.000	1.661
W	0.000	0.000	0.095	0.237	0.570	0.664	0.522	0.759	0.142	2.990
WNW	0.000	0.000	0.047	0.285	0.475	1.614	0.902	0.427	0.285	4.034
NW	0.000	0.000	0.142	0.190	0.617	1.234	1.756	1.519	0.285	5.743
NNW	0.000	0.000	0.000	0.000	0.142	1.851	2.373	1.329	0.190	5.885
SUBTOTAL	0.000	0.095	1.566	2.848	4.366	16.279	14.191	6.597	2.468	48.410

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2164
TOTAL HOURS OF STABILITY CLASS D	1065
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	1020
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2107
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 92.63 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 13.03

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, 2000 - MAR 31, 2000

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	0.095	0.142	0.664	0.712	0.000	0.000	1.661
NNE	0.000	0.000	0.047	0.095	0.047	1.092	0.949	0.095	0.000	2.326
NE	0.000	0.000	0.000	0.047	0.095	0.759	0.997	0.332	0.000	2.231
ENE	0.000	0.000	0.000	0.095	0.190	0.475	0.475	0.142	0.000	1.376
E	0.000	0.000	0.237	0.095	0.190	0.380	0.142	0.000	0.000	1.044
ESE	0.000	0.000	0.047	0.142	0.380	1.376	0.570	0.237	0.047	2.800
SE	0.000	0.000	0.047	0.190	0.237	0.902	1.471	0.712	0.237	3.797
SSE	0.000	0.000	0.047	0.047	0.190	1.661	2.563	1.614	0.522	6.645
S	0.000	0.000	0.000	0.142	0.285	0.617	3.180	1.566	0.380	6.170
SSW	0.000	0.000	0.000	0.095	0.095	0.285	2.183	0.854	0.047	3.560
SW	0.000	0.000	0.047	0.190	0.237	0.854	0.949	0.427	0.000	2.705
WSW	0.000	0.047	0.047	0.190	0.332	0.522	0.332	0.142	0.000	1.614
W	0.000	0.000	0.047	0.000	0.047	0.475	0.854	0.000	0.000	1.424
WNW	0.000	0.000	0.047	0.237	0.142	0.142	0.190	0.095	0.000	0.854
NW	0.000	0.000	0.047	0.237	0.142	0.095	0.522	0.142	0.000	1.187
NNW	0.000	0.000	0.095	0.047	0.285	0.332	0.949	0.142	0.000	1.851
SUBTOTAL	0.000	0.047	0.807	1.946	3.037	10.631	17.038	6.502	1.234	41.243

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2164
TOTAL HOURS OF STABILITY CLASS E	877
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	869
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2107
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 92.63 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 13.75

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, 2000 - MAR 31, 2000

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	0.095	0.047	0.142	0.095	0.190	0.000	0.000	0.570
NNE	0.000	0.000	0.000	0.000	0.095	0.332	0.237	0.047	0.000	0.712
NE	0.000	0.000	0.000	0.047	0.095	0.047	0.332	0.237	0.000	0.759
ENE	0.000	0.000	0.000	0.000	0.000	0.095	0.095	0.142	0.000	0.332
E	0.000	0.000	0.142	0.095	0.095	0.190	0.095	0.000	0.000	0.617
ESE	0.000	0.000	0.047	0.095	0.142	0.142	0.142	0.000	0.000	0.570
SE	0.000	0.000	0.000	0.047	0.142	0.142	0.475	0.047	0.000	0.854
SSE	0.000	0.000	0.000	0.000	0.000	0.237	0.332	0.047	0.047	0.664
S	0.000	0.000	0.000	0.000	0.000	0.190	0.237	0.000	0.000	0.427
SSW	0.000	0.000	0.000	0.000	0.047	0.190	0.570	0.000	0.000	0.807
SW	0.000	0.000	0.000	0.000	0.047	0.285	0.095	0.047	0.000	0.475
WSW	0.000	0.000	0.000	0.095	0.000	0.475	0.000	0.000	0.000	0.570
W	0.000	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.047
WNW	0.000	0.000	0.047	0.047	0.047	0.047	0.000	0.000	0.000	0.190
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	0.047	0.047	0.000	0.047	0.047	0.000	0.000	0.190
SUBTOTAL	0.000	0.000	0.380	0.570	0.902	2.515	2.848	0.570	0.047	7.831

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2164
TOTAL HOURS OF STABILITY CLASS F	169
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	165
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2107
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 92.63 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 11.69

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, 2000 - MAR 31, 2000

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	0.000	0.000	0.000	0.000	0.047
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	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.047
ENE	0.000	0.000	0.000	0.047	0.047	0.000	0.000	0.000	0.000	0.095
E	0.000	0.000	0.000	0.000	0.000	0.047	0.095	0.000	0.000	0.142
ESE	0.000	0.000	0.000	0.000	0.000	0.142	0.047	0.000	0.000	0.190
SE	0.000	0.000	0.000	0.047	0.190	0.285	0.142	0.000	0.000	0.664
SSE	0.000	0.000	0.000	0.000	0.142	0.332	0.142	0.000	0.000	0.617
S	0.000	0.000	0.000	0.000	0.000	0.095	0.095	0.000	0.000	0.190
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	0.047	0.047	0.000	0.000	0.095
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	0.047	0.000	0.000	0.000	0.000	0.000	0.047
SUBTOTAL	0.000	0.000	0.095	0.142	0.380	0.949	0.570	0.000	0.000	2.136

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2164
TOTAL HOURS OF STABILITY CLASS G	45
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	45
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2107
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 92.63 METER LEVEL

DATE PRINTED: 20000523

MEAN WIND SPEED = 9.64

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - JUN 30, 2000

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	2180
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	2159
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 92.63 METER LEVEL

DATE PRINTED: 20000811

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, 2000 - JUN 30, 2000

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	2180
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	2159
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 92.63 METER LEVEL

DATE PRINTED: 20000811

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

APR 1, 2000 - JUN 30, 2000

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 2180
TOTAL HOURS OF STABILITY CLASS C 0
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C 0
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS 2159
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 92.63 METER LEVEL

DATE PRINTED: 20000811

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

Browns Ferry Nuclear Plant

APR 1, 2000 - JUN 30, 2000

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	0.139	0.185	0.185	1.297	0.602	0.185	0.000	2.594
NNE	0.000	0.000	0.000	0.139	0.046	0.602	0.880	0.000	0.000	1.667
NE	0.000	0.000	0.000	0.093	0.046	0.046	0.046	0.046	0.000	0.278
ENE	0.000	0.000	0.000	0.046	0.000	0.000	0.046	0.000	0.000	0.093
E	0.000	0.000	0.000	0.000	0.046	0.093	0.000	0.000	0.000	0.139
ESE	0.000	0.000	0.046	0.139	0.232	0.232	0.417	0.000	0.000	1.065
SE	0.000	0.000	0.324	0.463	0.046	0.093	0.371	0.093	0.046	1.436
SSE	0.000	0.000	0.046	0.278	0.232	0.602	0.602	0.000	0.000	1.760
S	0.000	0.000	0.324	0.185	0.185	1.760	1.343	0.093	0.000	3.891
SSW	0.000	0.000	0.185	0.185	0.324	1.065	1.667	0.926	0.000	4.354
SW	0.000	0.000	0.371	0.509	0.324	0.509	1.297	0.556	0.000	3.566
WSW	0.000	0.046	0.046	0.509	0.556	0.371	1.065	0.278	0.000	2.872
W	0.000	0.000	0.139	0.371	0.695	0.741	0.695	0.463	0.046	3.150
WNW	0.000	0.000	0.046	0.139	0.417	0.973	0.417	0.695	0.278	2.964
NW	0.000	0.000	0.000	0.093	0.139	1.112	0.741	0.648	0.324	3.057
NNW	0.000	0.000	0.000	0.046	0.278	0.926	0.648	0.324	0.000	2.223
SUBTOTAL	0.000	0.046	1.667	3.381	3.752	10.421	10.838	4.308	0.695	35.109

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2180
TOTAL HOURS OF STABILITY CLASS D	763
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	758
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2159
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 92.63 METER LEVEL

DATE PRINTED: 20000811

MEAN WIND SPEED = 12.10

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, 2000 - JUN 30, 2000

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	0.046	0.046	0.093	0.509	0.463	0.000	0.000	1.204
NNE	0.000	0.000	0.046	0.093	0.324	0.695	0.509	0.000	0.000	1.667
NE	0.000	0.046	0.046	0.093	0.139	0.602	0.463	0.000	0.000	1.390
ENE	0.000	0.000	0.046	0.139	0.232	0.509	0.046	0.000	0.000	0.973
E	0.000	0.000	0.139	0.139	0.093	0.463	0.046	0.000	0.000	0.880
ESE	0.000	0.000	0.093	0.185	0.278	0.787	1.065	0.093	0.000	2.501
SE	0.000	0.000	0.324	1.065	1.112	2.270	1.251	0.509	0.000	6.531
SSE	0.000	0.046	0.371	0.602	1.251	2.084	1.806	0.556	0.185	6.901
S	0.000	0.000	0.371	0.278	0.880	2.316	3.011	1.204	0.139	8.198
SSW	0.000	0.000	0.185	0.232	0.556	1.343	3.381	2.177	0.417	8.291
SW	0.000	0.000	0.093	0.324	0.417	0.973	1.621	0.556	0.046	4.030
WSW	0.000	0.000	0.139	0.046	0.139	0.463	0.417	0.000	0.046	1.251
W	0.000	0.000	0.000	0.185	0.232	0.602	0.232	0.046	0.046	1.343
WNW	0.000	0.000	0.324	0.232	0.185	0.371	0.417	0.000	0.000	1.528
NW	0.000	0.000	0.000	0.046	0.093	0.741	0.880	0.417	0.185	2.362
NNW	0.000	0.046	0.232	0.139	0.371	1.158	1.714	0.139	0.000	3.798
SUBTOTAL	0.000	0.185	2.455	3.844	6.392	15.887	17.323	5.697	1.065	52.849

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2180
TOTAL HOURS OF STABILITY CLASS E	1156
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	1141
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2159
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 92.63 METER LEVEL

DATE PRINTED: 20000811

MEAN WIND SPEED = 11.94

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, 2000 - JUN 30, 2000

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	0.046	0.232	0.046	0.000	0.324
NNE	0.000	0.000	0.000	0.000	0.046	0.046	0.509	0.278	0.000	0.880
NE	0.000	0.000	0.000	0.000	0.000	0.139	0.417	0.139	0.000	0.695
ENE	0.000	0.000	0.000	0.000	0.000	0.324	0.139	0.046	0.000	0.509
E	0.002	0.000	0.046	0.000	0.046	0.046	0.093	0.000	0.000	0.234
ESE	0.005	0.000	0.093	0.139	0.046	0.463	0.046	0.000	0.000	0.792
SE	0.009	0.000	0.185	0.139	0.324	0.278	0.093	0.000	0.000	1.028
SSE	0.005	0.000	0.093	0.185	0.139	0.371	0.324	0.000	0.000	1.116
S	0.005	0.046	0.046	0.093	0.093	0.695	0.278	0.093	0.000	1.348
SSW	0.002	0.046	0.000	0.139	0.093	0.324	0.324	0.000	0.000	0.929
SW	0.000	0.000	0.000	0.139	0.046	0.093	0.463	0.000	0.000	0.741
WSW	0.002	0.000	0.046	0.046	0.046	0.046	0.093	0.000	0.000	0.280
W	0.000	0.000	0.000	0.093	0.093	0.046	0.000	0.000	0.000	0.232
WNW	0.005	0.046	0.046	0.000	0.046	0.046	0.000	0.000	0.000	0.190
NW	0.005	0.046	0.046	0.139	0.000	0.139	0.000	0.000	0.000	0.375
NNW	0.007	0.000	0.139	0.000	0.000	0.185	0.278	0.000	0.000	0.609
SUBTOTAL	0.046	0.185	0.741	1.112	1.019	3.289	3.289	0.602	0.000	10.283

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2180
TOTAL HOURS OF STABILITY CLASS F	223
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	222
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2159
TOTAL HOURS CALM	1

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 92.63 METER LEVEL

DATE PRINTED: 20000811

MEAN WIND SPEED = 10.52

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

APR 1, 2000 - JUN 30, 2000

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	0.000	0.000	0.046
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.139	0.000	0.000	0.139
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.093	0.000	0.139
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.093	0.000	0.000	0.093
E	0.000	0.000	0.000	0.000	0.000	0.232	0.046	0.000	0.000	0.278
ESE	0.000	0.000	0.046	0.000	0.093	0.139	0.000	0.000	0.000	0.278
SE	0.000	0.000	0.046	0.046	0.000	0.046	0.000	0.000	0.000	0.139
SSE	0.000	0.000	0.000	0.000	0.046	0.000	0.093	0.000	0.000	0.139
S	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.046
SSW	0.000	0.000	0.000	0.000	0.046	0.139	0.046	0.000	0.000	0.232
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	0.046	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	0.000	0.000	0.000	0.093	0.000	0.000	0.000	0.139
NW	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	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	0.046	0.093	0.093	0.232	0.695	0.509	0.093	0.000	1.760

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2180
TOTAL HOURS OF STABILITY CLASS G	38
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	38
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2159
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 92.63 METER LEVEL

DATE PRINTED: 20000811

MEAN WIND SPEED = 10.96

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - SEP 30, 2000

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	0.046	0.000	0.000	0.092	0.000	0.000	0.137
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	0.000	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	0.046	0.000	0.092	0.000	0.000	0.183

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2183
TOTAL HOURS OF STABILITY CLASS A	4
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	4
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2182
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 92.63 METER LEVEL

DATE PRINTED: 20001121

MEAN WIND SPEED = 9.88

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, 2000 - SEP 30, 2000

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	0.046	0.000	0.000	0.000	0.000	0.000	0.046
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	0.046	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	0.046	0.000	0.000	0.046
W	0.000	0.000	0.000	0.000	0.046	0.183	0.000	0.000	0.000	0.229
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	0.092	0.046	0.183	0.046	0.000	0.000	0.367

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2183
TOTAL HOURS OF STABILITY CLASS B	8
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	8
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2182
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 92.63 METER LEVEL

DATE PRINTED: 20001121

MEAN WIND SPEED = 8.28

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, 2000 - SEP 30, 2000

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	0.046	0.229	0.000	0.000	0.275
NNE	0.000	0.000	0.000	0.000	0.000	0.137	0.229	0.000	0.000	0.367
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	0.046	0.046	0.092	0.000	0.000	0.183
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.092	0.000	0.092
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	0.046	0.046	0.092	0.092	0.000	0.000	0.275
WSW	0.000	0.000	0.000	0.000	0.183	0.183	0.000	0.000	0.000	0.367
W	0.000	0.000	0.000	0.000	0.137	0.137	0.000	0.000	0.000	0.275
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	0.000	0.046	0.046	0.000	0.092
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	0.412	0.733	0.687	0.137	0.000	2.016

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2183
TOTAL HOURS OF STABILITY CLASS C	44
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	44
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2182
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 92.63 METER LEVEL

DATE PRINTED: 20001121

MEAN WIND SPEED = 11.74

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, 2000 - SEP 30, 2000

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	0.229	0.321	1.696	1.787	0.137	0.046	4.262
NNE	0.000	0.000	0.046	0.046	0.504	1.971	2.475	0.321	0.000	5.362
NE	0.000	0.000	0.046	0.046	0.321	0.871	1.054	0.092	0.000	2.429
ENE	0.000	0.000	0.000	0.229	0.275	0.275	0.275	0.046	0.000	1.100
E	0.000	0.000	0.092	0.092	0.229	0.321	0.275	0.000	0.000	1.008
ESE	0.000	0.000	0.000	0.092	0.275	1.100	2.200	0.412	0.046	4.125
SE	0.000	0.000	0.412	0.550	0.687	1.971	1.558	0.733	0.046	5.958
SSE	0.000	0.000	0.229	0.504	0.687	2.566	0.550	0.000	0.000	4.537
S	0.000	0.000	0.137	0.779	1.054	1.512	0.917	0.229	0.000	4.629
SSW	0.000	0.000	0.321	0.825	0.596	0.642	0.642	0.275	0.000	3.300
SW	0.000	0.000	0.367	0.504	0.321	0.779	0.229	0.137	0.000	2.337
WSW	0.000	0.000	0.183	0.642	0.229	1.100	0.183	0.046	0.000	2.383
W	0.000	0.000	0.137	0.504	0.733	1.146	0.321	0.046	0.000	2.887
WNW	0.000	0.000	0.183	0.183	0.550	2.108	0.367	0.092	0.046	3.529
NW	0.000	0.000	0.137	0.183	0.733	0.825	0.412	0.137	0.183	2.612
NNW	0.000	0.000	0.000	0.183	0.321	0.871	0.550	0.092	0.000	2.016
SUBTOTAL	0.000	0.000	2.337	5.591	7.837	19.753	13.795	2.796	0.367	52.475

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2183
TOTAL HOURS OF STABILITY CLASS D	1145
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	1145
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2182
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 92.63 METER LEVEL

DATE PRINTED: 20001121

MEAN WIND SPEED = 10.44

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, 2000 - SEP 30, 2000

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	0.003	0.000	0.137	0.046	0.275	0.550	0.733	0.000	0.000	1.745
NNE	0.001	0.046	0.000	0.000	0.092	1.100	1.650	0.321	0.000	3.209
NE	0.003	0.046	0.092	0.137	0.046	0.917	1.512	0.458	0.000	3.211
ENE	0.002	0.000	0.092	0.092	0.137	0.825	0.412	0.000	0.000	1.560
E	0.003	0.000	0.137	0.092	0.183	0.779	0.137	0.000	0.000	1.332
ESE	0.001	0.000	0.046	0.275	0.183	0.917	1.192	0.000	0.000	2.613
SE	0.007	0.000	0.275	0.412	0.412	1.558	1.237	0.092	0.000	3.994
SSE	0.007	0.046	0.229	0.458	0.183	1.008	0.229	0.000	0.000	2.161
S	0.003	0.000	0.137	0.092	0.412	0.642	0.321	0.092	0.000	1.699
SSW	0.003	0.000	0.137	0.092	0.504	0.550	0.962	0.092	0.000	2.341
SW	0.006	0.000	0.229	0.183	0.321	0.871	0.275	0.000	0.000	1.885
WSW	0.001	0.000	0.046	0.137	0.367	0.642	0.046	0.000	0.000	1.239
W	0.000	0.000	0.000	0.367	0.550	1.146	0.137	0.000	0.000	2.200
WNW	0.002	0.046	0.046	0.046	0.596	1.375	0.046	0.000	0.000	2.156
NW	0.002	0.000	0.092	0.137	0.183	0.412	0.504	0.000	0.000	1.331
NNW	0.000	0.000	0.000	0.183	0.046	0.275	0.092	0.046	0.000	0.642
SUBTOTAL	0.046	0.183	1.696	2.750	4.491	13.566	9.487	1.100	0.000	33.318

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2183
TOTAL HOURS OF STABILITY CLASS E	728
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	727
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2182
TOTAL HOURS CALM	1

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 92.63 METER LEVEL

DATE PRINTED: 20001121

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

JUL 1, 2000 - SEP 30, 2000

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	0.137	0.229	0.000	0.000	0.367
NNE	0.000	0.000	0.046	0.092	0.000	0.137	0.596	0.092	0.000	0.962
NE	0.000	0.000	0.046	0.046	0.000	0.229	0.917	0.687	0.000	1.925
ENE	0.000	0.000	0.092	0.000	0.046	0.367	0.367	0.092	0.000	0.962
E	0.000	0.046	0.137	0.275	0.183	0.183	0.229	0.000	0.000	1.054
ESE	0.000	0.000	0.183	0.137	0.137	0.092	0.137	0.000	0.000	0.687
SE	0.000	0.092	0.137	0.137	0.092	0.367	0.000	0.000	0.000	0.825
SSE	0.000	0.000	0.046	0.046	0.183	0.183	0.000	0.000	0.000	0.458
S	0.000	0.000	0.000	0.000	0.000	0.183	0.000	0.000	0.000	0.183
SSW	0.000	0.000	0.000	0.000	0.092	0.137	0.137	0.000	0.000	0.367
SW	0.000	0.000	0.000	0.046	0.000	0.183	0.137	0.000	0.000	0.367
WSW	0.000	0.000	0.000	0.000	0.000	0.092	0.046	0.000	0.000	0.137
W	0.000	0.000	0.000	0.046	0.046	0.275	0.000	0.000	0.000	0.367
WNW	0.000	0.000	0.046	0.000	0.000	0.092	0.000	0.000	0.000	0.137
NW	0.000	0.000	0.000	0.000	0.046	0.092	0.000	0.000	0.000	0.137
NNW	0.000	0.000	0.000	0.046	0.046	0.092	0.000	0.000	0.046	0.229
SUBTOTAL	0.000	0.137	0.733	0.871	0.871	2.841	2.796	0.871	0.046	9.166

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2183
TOTAL HOURS OF STABILITY CLASS F	200
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	200
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2182
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 92.63 METER LEVEL

DATE PRINTED: 20001121

MEAN WIND SPEED = 11.14

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, 2000 - SEP 30, 2000

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	0.000	0.000	0.046
NNE	0.000	0.000	0.000	0.000	0.000	0.046	0.046	0.275	0.000	0.367
NE	0.000	0.000	0.000	0.000	0.000	0.229	0.642	0.412	0.000	1.283
ENE	0.000	0.000	0.000	0.000	0.000	0.183	0.092	0.046	0.000	0.321
E	0.000	0.000	0.000	0.000	0.137	0.092	0.000	0.000	0.000	0.229
ESE	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.046
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	0.046	0.000	0.000	0.000	0.000	0.046
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.046	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	0.046	0.000	0.000	0.000	0.000	0.000	0.046
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	0.046	0.000	0.000	0.000	0.000	0.000	0.046
SUBTOTAL	0.000	0.000	0.000	0.092	0.183	0.596	0.871	0.733	0.000	2.475

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2183
TOTAL HOURS OF STABILITY CLASS G	54
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	54
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2182
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 92.63 METER LEVEL

DATE PRINTED: 20001121

MEAN WIND SPEED = 14.54

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

RADIOLOGICAL IMPACT ASSESSMENT
BROWNS FERRY NUCLEAR PLANT
JANUARY - DECEMBER 2000

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, 2000 - DEC 31, 2000

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	2145
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	2029
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 92.63 METER LEVEL

DATE PRINTED: 20010209

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, 2000 - DEC 31, 2000

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	2145
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	2029
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 92.63 METER LEVEL

DATE PRINTED: 20010209

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

OCT 1, 2000 - DEC 31, 2000

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	0.049	0.000	0.049
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	0.049	0.000	0.000	0.000	0.049
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	0.049	0.000	0.000	0.000	0.000	0.049
SW	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.049
WSW	0.000	0.000	0.000	0.000	0.049	0.049	0.000	0.000	0.000	0.099
W	0.000	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.049
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	0.148	0.148	0.000	0.049	0.000	0.345

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2145
TOTAL HOURS OF STABILITY CLASS C	8
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	7
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2029
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 92.63 METER LEVEL

DATE PRINTED: 20010209

MEAN WIND SPEED = 10.19

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, 2000 - DEC 31, 2000

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	0.002	0.049	0.099	0.296	0.345	1.676	1.873	1.183	0.000	5.522
NNE	0.002	0.000	0.197	0.345	0.641	2.514	1.774	0.246	0.000	5.720
NE	0.002	0.000	0.148	0.345	0.789	1.528	0.444	0.000	0.000	3.255
ENE	0.001	0.000	0.049	0.197	0.444	0.690	0.099	0.000	0.000	1.479
E	0.003	0.099	0.148	0.394	0.444	0.049	0.000	0.000	0.000	1.137
ESE	0.002	0.000	0.197	0.789	1.134	1.134	0.493	0.000	0.148	3.896
SE	0.005	0.000	0.394	0.591	0.838	0.936	0.542	0.542	0.739	4.588
SSE	0.004	0.049	0.296	0.296	0.345	1.429	1.429	0.444	0.099	4.391
S	0.004	0.000	0.345	0.099	0.197	0.986	0.641	0.542	0.000	2.813
SSW	0.004	0.049	0.296	0.197	0.099	0.197	0.049	0.049	0.000	0.941
SW	0.002	0.000	0.197	0.246	0.099	0.049	0.345	0.049	0.049	1.037
WSW	0.004	0.000	0.345	0.296	0.148	0.542	0.049	0.000	0.197	1.581
W	0.002	0.049	0.099	0.394	0.246	1.281	1.281	0.542	0.542	4.437
WNW	0.004	0.000	0.345	0.394	0.345	1.035	0.986	1.084	0.394	4.588
NW	0.004	0.049	0.296	0.345	0.493	2.169	1.084	1.479	0.148	6.066
NNW	0.003	0.000	0.246	0.394	0.345	1.232	1.479	0.099	0.000	3.798
SUBTOTAL	0.049	0.345	3.696	5.619	6.949	17.447	12.568	6.259	2.316	55.249

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2145
TOTAL HOURS OF STABILITY CLASS D	1183
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	1121
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2029
TOTAL HOURS CALM	1

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 92.63 METER LEVEL

DATE PRINTED: 20010209

MEAN WIND SPEED = 11.53

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, 2000 - DEC 31, 2000

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	0.004	0.000	0.148	0.148	0.049	0.197	1.479	0.000	0.000	2.025
NNE	0.001	0.000	0.049	0.000	0.000	0.690	0.936	0.000	0.000	1.677
NE	0.001	0.000	0.049	0.099	0.148	1.134	0.739	0.000	0.000	2.170
ENE	0.003	0.049	0.049	0.099	0.197	0.542	0.591	0.000	0.000	1.530
E	0.001	0.000	0.049	0.296	0.099	0.739	0.148	0.000	0.000	1.332
ESE	0.003	0.000	0.099	0.197	0.690	0.641	0.641	0.099	0.099	2.467
SE	0.003	0.000	0.099	0.246	0.542	1.774	1.331	0.296	0.345	4.635
SSE	0.009	0.099	0.246	0.444	0.739	1.725	1.134	0.148	0.099	4.642
S	0.006	0.000	0.246	0.789	0.394	0.887	0.542	0.148	0.148	3.161
SSW	0.004	0.000	0.148	0.345	0.148	0.838	0.296	0.148	0.000	1.926
SW	0.005	0.049	0.148	0.049	0.197	0.887	0.444	0.000	0.000	1.779
WSW	0.004	0.000	0.148	0.049	0.148	0.394	0.049	0.049	0.049	0.891
W	0.003	0.000	0.099	0.099	0.148	0.148	0.099	0.000	0.000	0.594
WNW	0.000	0.000	0.000	0.049	0.197	0.542	0.049	0.000	0.000	0.838
NW	0.000	0.000	0.000	0.148	0.049	0.394	0.739	0.345	0.000	1.676
NNW	0.003	0.049	0.049	0.197	0.246	0.197	0.444	0.000	0.000	1.185
SUBTOTAL	0.049	0.246	1.626	3.253	3.992	11.730	9.660	1.232	0.739	32.528

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2145
TOTAL HOURS OF STABILITY CLASS E	697
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	660
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2029
TOTAL HOURS CALM	1

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 92.63 METER LEVEL

DATE PRINTED: 20010209

MEAN WIND SPEED = 10.80

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

OCT 1, 2000 - DEC 31, 2000

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	0.003	0.049	0.000	0.000	0.148	0.099	0.246	0.000	0.000	0.545
NNE	0.000	0.000	0.000	0.049	0.049	0.099	0.148	0.000	0.000	0.345
NE	0.000	0.000	0.000	0.000	0.000	0.296	0.049	0.099	0.000	0.444
ENE	0.003	0.000	0.049	0.000	0.000	0.394	0.296	0.000	0.000	0.743
E	0.007	0.099	0.000	0.148	0.049	0.148	0.049	0.000	0.000	0.499
ESE	0.003	0.000	0.049	0.099	0.049	0.690	0.099	0.000	0.000	0.989
SE	0.003	0.000	0.049	0.000	0.099	0.838	0.049	0.000	0.000	1.038
SSE	0.010	0.000	0.148	0.296	0.345	0.493	0.148	0.000	0.000	1.439
S	0.007	0.000	0.099	0.000	0.049	0.246	0.049	0.000	0.000	0.450
SSW	0.000	0.000	0.000	0.197	0.148	0.197	0.246	0.000	0.000	0.789
SW	0.003	0.000	0.049	0.049	0.099	0.296	0.000	0.000	0.000	0.496
WSW	0.003	0.000	0.049	0.000	0.000	0.296	0.049	0.000	0.000	0.398
W	0.003	0.000	0.049	0.000	0.049	0.049	0.000	0.000	0.000	0.151
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	0.099	0.049	0.000	0.000	0.000	0.000	0.148
NNW	0.003	0.000	0.049	0.197	0.000	0.049	0.049	0.000	0.000	0.348
SUBTOTAL	0.049	0.148	0.591	1.134	1.134	4.189	1.479	0.099	0.000	8.822

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2145
TOTAL HOURS OF STABILITY CLASS F	193
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	179
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2029
TOTAL HOURS CALM	1

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 92.63 METER LEVEL

DATE PRINTED: 20010209

MEAN WIND SPEED = 9.00

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, 2000 - DEC 31, 2000

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	0.049	0.049	0.000	0.000	0.000	0.000	0.099
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.049
NE	0.033	0.000	0.049	0.000	0.000	0.197	0.296	0.099	0.000	0.674
ENE	0.000	0.000	0.000	0.000	0.049	0.197	0.000	0.000	0.000	0.246
E	0.000	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.049
ESE	0.000	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.049
SE	0.000	0.000	0.000	0.000	0.049	0.394	0.099	0.000	0.000	0.542
SSE	0.000	0.000	0.000	0.049	0.148	0.049	0.000	0.000	0.000	0.246
S	0.000	0.000	0.000	0.000	0.148	0.197	0.000	0.000	0.000	0.345
SSW	0.000	0.000	0.000	0.099	0.049	0.099	0.000	0.000	0.000	0.246
SW	0.033	0.000	0.049	0.049	0.000	0.000	0.000	0.000	0.000	0.131
WSW	0.000	0.000	0.000	0.000	0.099	0.000	0.000	0.000	0.000	0.099
W	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.049
WNW	0.000	0.000	0.000	0.099	0.000	0.000	0.000	0.000	0.000	0.099
NW	0.033	0.049	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.131
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.099	0.049	0.099	0.444	0.591	1.232	0.444	0.099	0.000	3.056

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2145
TOTAL HOURS OF STABILITY CLASS G	64
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	62
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2029
TOTAL HOURS CALM	2

METEOROLOGICAL FACILITY: Browns Ferry Nuclear Plant
STABILITY BASED ON DELTA-T BETWEEN 45.30 AND 89.59 METERS
WIND SPEED AND DIRECTION MEASURED AT 92.63 METER LEVEL

DATE PRINTED: 20010209

MEAN WIND SPEED = 9.01

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
2000

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2000

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
2000

IV. Batch

A. Liquid	Units	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1. Number of batches released	Each	0	0	0	0
2. Total time for batches released	Minutes	0	0	0	0
3. Maximum time period for a batch release	Minutes	0	0	0	0
4. Average time period for a batch release	Minutes	0	0	0	0
5. Minimum time period for a batch release	Minutes	0	0	0	0
6. Average stream flow during period of release into a flowing stream	Cubic feet per second	0	0	0	0

B. Gaseous

None

C. Abnormal/Unplanned Releases*

Type	Number of Releases	Total Activity Releases (Curies)
Liquid	One	7.2E-03
Gaseous	None	None

* 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 2000

	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	NR*	2.70E-03**	4.50E-03**	NR	9
2. Average Diluted Concentration Released During Period	µCi/ml	NR	NR	NR	NR	
3. Percent of Applicable Limit	%	***	***	***	***	
B. Tritium						
1. Total Releases	Curies	NR	NR	NR	NR	6
2. Average Diluted Concentration Released During Period	µCi/ml	NR	NR	NR	NR	
3. Percent of Applicable Limit	%	***	***	***	***	
C. Dissolved and Entrained Noble Gases						
1. Total Releases	Curies	NR	NR	NR	NR	8
2. Average Diluted Concentration Released During Period	µCi/ml	NR	NR	NR	NR	
3. Percent of Applicable Limit	%	***	***	***	***	
D. Gross Alpha Radioactivity						
1. Total Releases	Curies	NR	NR	NR	NR	48
2. Average Diluted Concentration Released During Period	µCi/ml	NR	NR	NR	NR	
E. Volume of Liquid Waste to Discharge Canal (Prior to dilution)	Liters	NR	NR	NR	NR	3
F. Volume of Dilution Water for Period	Liters	NR	NR	NR	NR	10
G. Total CCW	gigagallons	NR	NR	NR	NR	

*NR -- No liquid releases were made in the 1st 2nd 3rd and 4th quarters.
**Abnormal release. See documentation in the summary.
***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 2000 - BATCH MODE

CURIES Isotope		Quarter	Quarter	Quarter	Quarter
(Required by Regulatory (REG) Guide 1.21)		1	2	3	4
1.	Ba-140	NR*	NR	NR	NR
2.	Ce-141	NR	NR	NR	NR
3.	Co-58	NR	NR	NR	NR
4.	Co-60	NR	NR	NR	NR
5.	Cr-51	NR	NR	NR	NR
6.	Cs-134	NR	NR	NR	NR
7.	Cs-137	NR	NR	NR	NR
8.	Fe-59	NR	NR	NR	NR
9.	I-131	NR	NR	NR	NR
10.	La-140	NR	NR	NR	NR
11.	Mn-54	NR	NR	NR	NR
12.	Mo-99	NR	NR	NR	NR
13.	Nb-95	NR	NR	NR	NR
14.	Sr-89	NR	NR	NR	NR
15.	Sr-90	NR	NR	NR	NR
16.	Tc-99m	NR	NR	NR	NR
17.	Xe-133	NR	NR	NR	NR
18.	Xe-135	NR	NR	NR	NR
19.	Zn-65	NR	NR	NR	NR
20.	Zr-95	NR	NR	NR	NR

*NR -- No liquid releases were made during the 1st 2nd 3rd and 4th quarters.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
LIQUID RELEASES FOR YEAR 2000 - BATCH MODE

	CURIES Isotope	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Others (Not Required by REG Guide 1.21)					
1.	F-18	NR*	2.70E-03**	4.50E-03**	NR

*NR -- No liquid releases were made during the 1st 2nd 3rd or 4th quarters.
**Abnormal release. See documentation in the summary.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES
YEAR 2000

	Units	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Error %
A. Fission and Activation Gases						
1. Total Releases	Ci	1.05E+02	7.05E+01	4.77E+01	1.89E+02	45
2. Average Release Rate for Period	µCi/sec	1.33E+01	8.97E+00	6.00E+00	2.38E+01	
3. Percent of Applicable limit	%	*	*	*	*	
B. Iodines						
1. Total Iodine-131	Ci	2.37E-02	1.99E-02	5.51E-03	4.08E-03	36
2. Average Release Rate for Period	µCi/sec	3.01E-03	2.53E-03	6.93E-04	5.13E-04	
3. Percent of Applicable Limit	%	*	*	*	*	
C. Particulates						
1. Particulates with half-lives > eight days	Ci	1.71E-03	7.11E-03	1.16E-03	1.32E-03	35
2. Average release rate for period	µCi/sec	2.17E-04	9.05E-04	1.46E-04	1.66E-04	
3. Percent of Applicable limit	%	*	*	*	*	
4. Gross alpha radioactivity	Ci	ND**	ND	ND	ND	
D. Tritium						
1. Total release	Ci	8.25E+00	1.20E+01	1.64E+01	1.19E+01	21
2. Average release rate for period	µCi/sec	1.05E+00	1.53E+00	2.07E+00	1.50E+00	
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 2000
GASEOUS EFFLUENTS - ELEVATED RELEASE

CURIES	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1. Fission Gases				
Kr-85m	2.70E+00	2.85E+01	3.32E+01	7.78E+01
Kr-85	ND*	ND	ND	ND
Kr-87	1.10E-01	ND	ND	ND
Kr-88	1.32E+00	1.95E+01	ND	8.12E+01
Xe-133	9.38E+01	2.26E+01	1.45E+01	3.01E+01
Xe-135m	ND	ND	ND	ND
Xe-135	5.35E-01	ND	ND	ND
Xe-138	ND	ND	ND	ND
Others (specify)				
N-13	4.32E+00	ND	ND	ND
Ar-41	2.11E+00	ND	ND	ND
Total for Period	1.05E+02	7.05E+01	4.77E+01	1.89E+02
2. Iodines				
I-131	1.90E-03	3.02E-03	5.16E-04	4.11E-04
I-132	ND	1.36E-04	ND	ND
I-133	1.73E-03	2.76E-03	1.68E-03	1.05E-03
I-134	ND	ND	ND	ND
I-135	ND	5.65E-04	ND	ND
Total for Period	3.63E-03	6.48E-03	2.20E-03	1.46E-03

*ND – Not Detected.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2000
GASEOUS EFFLUENTS - ELEVATED RELEASE

	CURIES	Quarter 1	Quarter 2	Quarter 3	Quarter 4
3.	Particulates*				
	Sr-89	6.13E-05	9.45E-05	9.34E-05	1.34E-04
	Sr-90	ND**	ND	ND	ND
	Cs-134	ND	ND	ND	ND
	Cs-137	ND	ND	ND	ND
	Ba-140	6.41E-05	1.19E-04	1.01E-04	1.58E-04
	La-140	2.10E-05	5.69E-05	4.47E-05	8.61E-05
	Others (specify)				
	Co-60	ND	1.10E-06	ND	ND
	Rb-88	ND	ND	ND	8.02E-02
	Rb-89	1.80E-02	1.18E-01	1.74E-01	4.14E-01
	Sr-91	6.25E-04	1.79E-03	1.32E-03	2.13E-03
	Y-91m	6.87E-04	1.17E-03	8.02E-04	1.20E-03
	Cs-138	7.69E-02	1.52E-01	1.07E-01	2.32E-01
	Ba-139	6.95E-02	1.17E-01	8.59E-02	1.71E-01
	Au-199	ND	ND	ND	1.74E-05
	Total for Period*	1.66E-01	3.91E-01	3.70E-01	9.01E-01
4.	Tritium	2.55E-01	5.75E-01	7.01E-01	5.68E-01

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

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2000
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
Total for Period	ND	ND	ND	ND
2. Iodines				
I-131	7.96E-03	8.76E-03	1.53E-03	1.75E-03
I-132	3.05E-03	4.07E-04	3.24E-04	3.90E-04
I-133	1.36E-02	1.06E-02	1.14E-02	1.11E-02
I-134	ND	ND	ND	ND
I-135	2.11E-03	ND	ND	1.66E-04
Total for Period	2.68E-02	1.97E-02	1.33E-02	1.34E-02

*ND – Not Detected.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2000
GASEOUS EFFLUENTS - GROUND RELEASE

CURIES	Quarter 1	Quarter 2	Quarter 3	Quarter 4
3. Particulates*				
Sr-89	3.21E-05	1.06E-06	ND**	4.11E-05
Sr-90	ND	ND	ND	ND
Cs-134	ND	ND	ND	ND
Cs-137	ND	ND	ND	ND
Ba-140	ND	1.01E-05	2.45E-05	1.83E-05
La-140	ND	ND	ND	ND
Others (specify)				
Cr-51	ND	7.31E-06	5.78E-06	ND
Mn-54	6.84E-06	ND	ND	ND
Mn-56	ND	ND	2.35E-04	ND
Rb-89	ND	ND	ND	6.88E-03
Sr-91	8.27E-05	ND	1.68E-04	4.90E-04
Y-91m	4.28E-04	1.35E-03	1.09E-03	1.51E-03
Mo-99	ND	ND	ND	3.85E-06
TC-99m	ND	ND	ND	3.85E-06
Cs-138	ND	ND	ND	4.55E-02
Ba-139	7.22E-03	1.77E-02	1.33E-02	3.67E-02
Ce-141	ND	ND	9.57E-07	ND
Total for Period*	7.77E-03	1.91E-02	1.48E-02	9.11E-02
4. Tritium	2.98E+00	3.19E+00	3.42E+00	1.67E+00

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

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2000
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	1.38E-02	8.14E-03	3.45E-03	1.92E-03
	I-132	3.96E-02	4.45E-03	5.55E-04	3.18E-04
	I-133	2.65E-02	1.80E-02	2.51E-02	1.22E-02
	I-134	ND	ND	ND	ND
	I-135	2.55E-02	1.29E-02	1.10E-02	ND
	Total for Period	1.05E-01	4.34E-02	4.01E-02	1.44E-02

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

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2000
GASEOUS EFFLUENTS - MIXED MODE RELEASE*

CURIES	Quarter 1	Quarter 2	Quarter 3	Quarter 4
3. Particulates**				
Sr-89	ND***	1.03E-04	1.32E-04	1.74E-04
Sr-90	ND	ND	ND	ND
Cs-134	7.78E-05	2.66E-05	ND	ND
Cs-137	2.62E-04	1.17E-04	4.24E-05	3.57E-05
La-140	8.75E-05	1.68E-04	3.17E-04	2.44E-04
Ba-140	1.46E-04	4.92E-04	5.83E-04	5.18E-04
Others (specify)				
Na-24	1.88E-03	6.30E-04	ND	6.91E-05
Cr-51	2.19E-04	1.16E-03	7.13E-05	6.72E-05
Mn-54	1.92E-05	2.32E-03	2.82E-05	3.15E-05
Mn-56	ND	2.45E-02	ND	ND
Co-58	ND	1.14E-04	ND	ND
Fe-59	ND	6.89E-04	ND	ND
Co-60	6.50E-05	5.83E-04	3.67E-05	1.96E-05
Zn-65	8.75E-06	3.23E-04	ND	ND
Y-91m	2.68E-03	5.44E-03	6.91E-03	5.21E-03
Sr-91	4.83E-03	8.83E-03	9.95E-03	7.64E-03
Sr-92	4.29E-02	2.53E-03	2.26E-04	8.67E-04

*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 2000
GASEOUS EFFLUENTS - MIXED MODE RELEASE*

CURIES Particulates** (Continued) Others (specify)	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Nb-95	ND***	4.53E-05	ND	ND
Mo-99	1.33E-04	2.70E-04	1.91E-05	7.26E-05
Tc-99m	1.33E-04	2.70E-04	1.91E-05	7.26E-05
Ag-110m	7.48E-04	2.75E-04	3.11E-05	1.17E-04
Sb-124	ND	8.60E-05	ND	ND
Cs-138	ND	1.03E-02	ND	5.07E-02
Ba-139	3.26E-02	7.66E-02	1.90E-01	1.71E-01
Ce-141	ND	3.83E-05	1.15E-05	7.75E-06
Au-199	ND	5.04E-04	ND	ND
Np-239	2.05E-05	1.06E-04	ND	ND
Total for Period**	8.68E-02	1.37E-01	2.08E-01	2.37E-01
4. Tritium	5.01E+00	8.25E+00	1.23E+01	9.69E+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
2000
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, filter sludge	m^3	0.00E+00	
	evaporator bottoms, etc.	Ci	0.00E+00	
b.	Dry compressible waste, contaminated	m^3	1.33E+01	
	equipment, etc.	Ci	5.12E+00	+/-25.0
c.	Irradiated components, control rod	m^3	0.00E+00	
	drives	Ci	0.00E+00	
d.	Cartridge filters	m^3	0.00E+00	
		Ci	0.00E+00	

2. Estimate of Major Nuclide Composition by Waste Type

a. Dry compressible waste, contaminated equipment, etc.

	Nuclide		Percentage	Activity (Curies)
1.	$Cobalt^{60}$	(2)	3.975E+01	2.04E+00
2.	$Iron^{55}$	(2)	3.21E+01	1.64E+00
3.	$Cesium^{137}$	(2)	8.11E+00	4.15E-01
4.	$Manganese^{54}$	(2)	4.57E+00	2.34E-01
5.	$Silver^{110m}$	(2)	4.38E+00	2.24E-01
6.	$Zinc^{65}$	(2)	3.88E+00	1.99E-01
7.	$Cesium^{134}$	(2)	3.39E+00	1.74E-01
8.	$Chromium^{51}$	(2)	2.32E+00	1.19E-01
9.	$Nickel^{63}$	(2)	7.80E-01	3.99E-02
10.	$Cobalt^{58}$	(2)	2.56E-01	1.33E-02
11.	$Iron^{59}$	(2)	2.30E-01	1.18E-02
12.	Tin^{125}	(2)	1.00E-01	5.12E-03
13.	$Zirconium^{95}$	(2)	8.00E-02	4.10E-03
14.	Tin^{124}	(2)	2.00E-02	1.02E-03
15.	$Cobalt^{57}$	(2)	1.00E-02	5.12E-04
16.	Other	(2)	<1.0E-01	<1.02E-03

(1) Measured (2) Calculated

BROWNS FERRY NUCLEAR PLANT
ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT
2000
SOLID WASTE AND IRRADIATED FUEL

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
1	Sole Use Truck	Tennessee Valley Authority Mixed Waste Storage Facility Muscle Shoals, AL
7	Sole Use Truck	GTS Duratec Oak Ridge, TN
21	Sole Use Truck	Allied Technology Group Richland, WA

B. Irradiated Fuel Disposition

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

C. Description of Shipments

Number of Shipments	Type Container	Type Quantity	Number of Containers	Container Volume	Waste Type
29	Strong Tight Container	A-LSA II LTD QTY	114	See Note	DAW

Solidification Agents Used: None

Absorbents Used: None

NOTE: The 29 shipments of waste packaged in strong tight containers consisted of the following:

Type of STC	Number of Packages	Volume Each Package (m^3)
40' "Sealand"	18	1.39E+03
20' "Sealand"	2	7.27E+01
LSA Metal Boxes	93	2.66E+02
5 Gallon Drum	1	1.90E-02

BROWNS FERRY NUCLEAR PLANT
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
SUMMARY OF ABNORMAL/UNPLANNED RELEASES
2000

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 2000. One abnormal liquid release was detected on July 24, 2000. The release consisted of low concentrations of Fluorine-18 from the Unit 2 station sump. A total of 7.2E-03 Ci was released. The dose to the public was negligible since F-18 has a half-life of 110m and the travel time to the first water supply was greater than two days. The release was the result of a floor drain being mis-labeled as a contaminated drain. Consequently, the F-18 activity was allowed to drain into the station sump. Details of the abnormal release is given in Problem Evaluation Reports 00-007530-000 and 00-007537-000.

During the reporting period, January 1 through December 31, 2000, there was no missed compensatory measures.

ENCLOSURE 4

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

INOPERABLE RADIOLOGICAL EFFLUENT INSTRUMENTATION REPORT
2000

INOPERABLE RADIOLOGICAL EFFLUENT INSTRUMENTATION REPORT 2000

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, 2000, there were four instances where liquid radiation monitors were inoperable for periods greater than 30 days. These periods are listed below:

- The Unit 1 residual heat removal (RHR) service water monitor (1-RM-90-134D) was out of service from February 21, 2000 until September 20, 2000.
- The Unit 2 RHR service water monitor (2-RM-90-133D) was out of service from April 29, 2000 until November 28, 2000.
- The Unit 3 RHR service water monitor (3-RM-90-133D) was out of service from December 16, 1999 until January 31, 2000
- 3-RM-90-133D was also out of service from February 3, 2000 until March 16, 2000.

All compensatory measures were followed. It should be noted that the RHR system is normally in a standby configuration at Browns Ferry, and the associated service water effluent monitors are only required to function when the RHR system is in service.

This reporting period shows a significant increase in the amount of out of service time reported for these monitors compared to previous reports. There are multiple factors contributing to this increased out of service time. Each will be briefly discussed, and a brief summary provided of the corrective actions implemented to prevent recurrence.

- The electronic chassis for the Unit 1 monitor (1-RM-90-134D) experienced a problem that required replacement. A DCN was issued to replace it with a newer model chassis. There were numerous issues involved with performing the replacement, and these issues resulted in the extended out of service time. The newer model chassis now installed is expected to provide much better performance.

- The Unit 2 monitor (2-RM-90-133D) experienced a problem similar to the Unit 1 monitor just described. The obsolete component in this case, however, was an RHR service water system flow switch that initiates the logic for auto-start of the RHR service water radiation monitor. There were also numerous issues in processing this DCN, and these issues resulted in the extended out of service time. The new switch now installed is expected to provide much better performance.

- The Unit 3 monitor (3-RM-90-133D) was out of service for two different periods due to flow related problems. In reality, the Unit 3 monitor problems were minor in nature. The out of service time resulted primarily from a change in the way these monitors' out of service time was tracked. This change in tracking methodology also contributed to the increased out of service time for the Unit 1 and Unit 2 monitors previously discussed. Specifically, when BFN changed to Improved Technical Specifications, many changes in the tracking of Limiting Conditions for Operations (LCO's) were required. The RHR service water radiation monitors were no longer tracked as active LCO's, therefore they did not receive the visibility associated with that problem category that had been customary before. Additionally, the site instituted changes in the work control process which resulted in these monitors not being coded to a

priority for immediate work when a problem was identified. The monitors were being placed in the 12 week schedule like all other routine maintenance items. In past years, these monitors would have been coded as "priority 2 work items" which would have received immediate attention. These administrative weaknesses were recognized and corrective actions have been taken to ensure these monitors receive the appropriate attention.

Other corrective actions were identified in BFN PER 00-005748-000. In addition to the PER corrective actions, discussions were held with Operations Work Control section. An agreement that effluent radiation monitors will be given a work priority to ensure prompt problem resolution was made. These measures should prevent exceeding the 30 day reporting window.

Some effluent monitors and flow instrumentation were placed in "out-of-service" status because these monitors' effluent streams were isolated. Therefore, these monitors are not included in this report.

ENCLOSURE 5

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

CHANGES TO THE OFFSITE DOSE CALCULATION MANUAL
2000

CHANGES TO THE OFFSITE DOSE CALCULATION MANUAL (ODCM)

This report covers the period from January 1 through December 31, 2000. During this period, one change was made to the ODCM. Checking the operation of the automatic isolation valves and discharge tank selection valves (SR 2.2.1.1.3) was changed from annually to once per 24 months.