

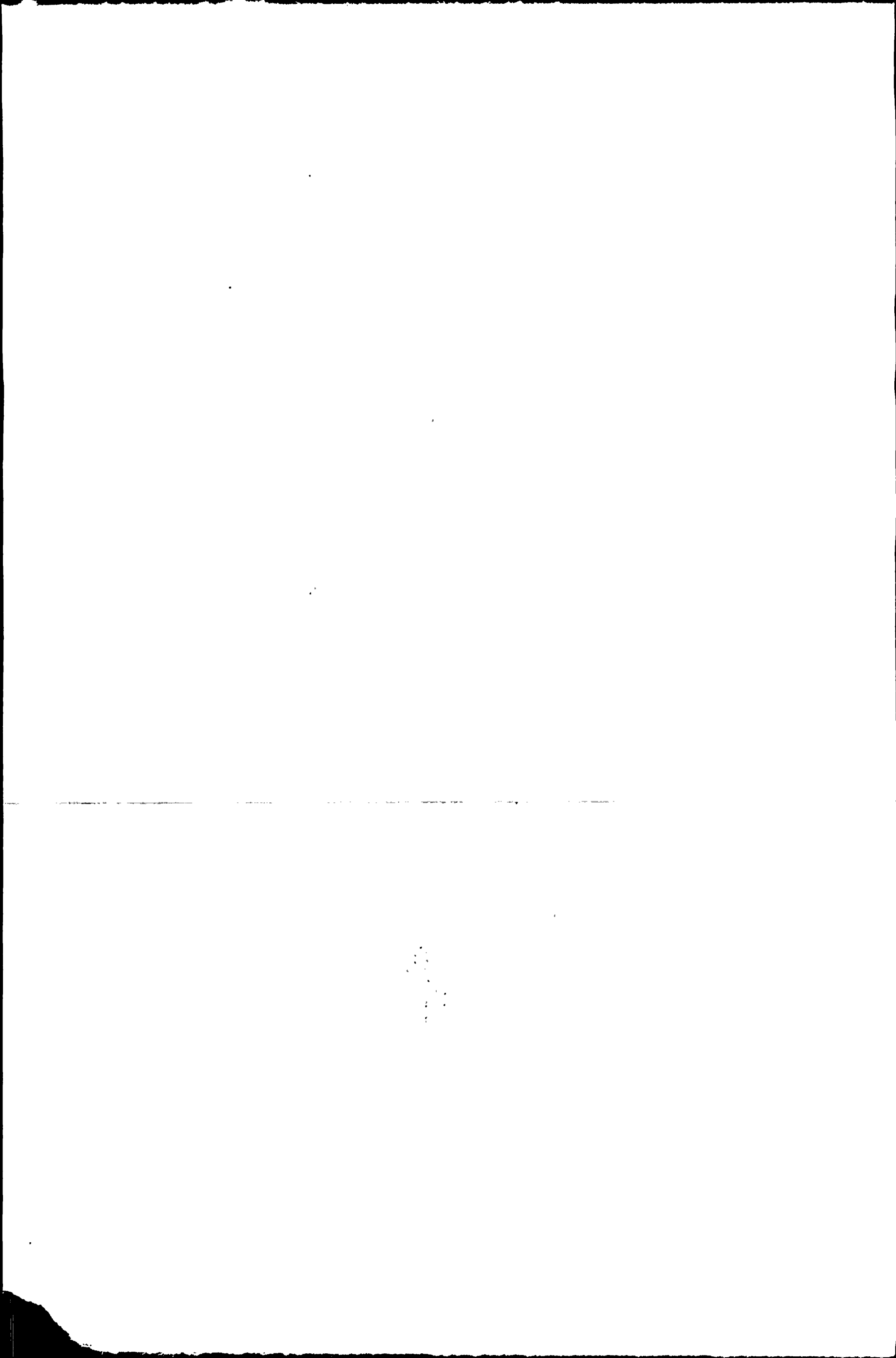
REVISIONS:
SEE 47W610-77-4.
Control Air Supply

TI
APERTURE
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NOTE REV. 1:
Entire dng changed;
rev. for vendor's design & misc. chg.

POWERHOUSE UNITS 1&3		
MECHANICAL CONTROL DIAGRAM RADWASTE SYSTEM		
BROWNS FERRY NUCLEAR PLANT TENNESSEE VALLEY AUTHORITY DIVISION OF ENGINEERING DESIGN		
SUBMITTED J. E. Hout	RECOMMENDED M. W. Williamson	APPROVED R. J. ...
KNOXVILLE	4-10-69	67 M 4 47W610-77-7a



BROWNS FERRY NUCLEAR PLANT - APPENDIX I
 NRC REQUEST FOR ADDITIONAL INFORMATION

NRC Item 1.

Provide additional clarification of the bases for the assumption of Pasquill Type "D" stability for an entire annual cycle for calculations of relative concentration (χ/Q) and relative deposition (D/Q) values for releases from the 600-foot stack. It is not clear that temperature gradient measurement over a deep layer, such as would be available using typical rawinsonde data, is the best (or even conservative) indicator of atmospheric stability for consideration of the dispersal of effluent releases within 600 feet of the ground.

TVA Response

The assumption of neutral stability conditions (class D) for the stack release at Browns Ferry Nuclear Plant was based on a review of a limited sample of upper air temperature data from TVA's Colbert Steam Plant Sulfur Dioxide Emissions Limitation (SDEL) program. The data examined were lapse rates between 110 and 275 meters (about 360 and 900 feet) above the ground, based on rawinsonde and aircraft soundings, taken up to eight times a day. From these soundings, lapse rate values were interpolated at specific four-hour intervals. The distribution of stability classes, as determined by these 110- to 275-meter lapse rates, from April through September 1976 was:

A	B	C	D	E	F	G
< 1%	< 1%	1%	45%	49%	4%	0

For an elevated release, it appears obvious that at any time a more stable condition exists at or below plume level, the assumption of stability class D will produce conservatively high calculated ground-level concentrations. Thus, the Colbert data indicate that calculated concentrations will be conservatively high about 53% of the time (the frequency of classes E and F at plume level).

During the period examined, stability class D occurred at plume level 45% of the time. The distribution of stability classes at lower levels (150 to 300 feet, and 33 to 150 feet) at Browns Ferry, for simultaneous occurrences, was as follows:

<u>Layer</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>Total</u>
150 to 300 feet	0	< 1%	1%	32%	11%	1%	< 1%	45%
33 to 150 feet	14%	6%	2%	13%	7%	2%	1%	45%

About 14% of the observation hours included a stable layer (stability class E, F, or G) for at least one layer of the Browns Ferry data with neutral conditions in the 110- to 275-meter layer at Colbert. When these conditions exist, the assumption of class D for the entire mixing layer from effective plume height to the ground results in conservatively high calculated ground-level concentrations. Thus, the assumption of class D for the entire mixing layer was conservative about 67% of the time (53% plus 14%) during the period examined.

During this period, neutral conditions existed simultaneously for all three layers examined (33 to 150 feet and 150 to 300 feet at Browns Ferry and 110 to 275 meters at Colbert) for about eight percent of the observations.

Of the remaining 25% of the observations, neutral conditions were observed for at least two of the layers examined (with an unstable lapse rate only at one of the three levels) about 22% of the time. There were no observations which did not include at least one neutral layer. Thus, even for these observations, the assumption of stability class D for the stack release appears to be reasonably realistic.

Since the rawinsonde/aircraft observation program at Colbert Steam Plant was not fully operational prior to April 1976, fall and winter upper air data were not available. Because the direct influence of surface heating and cooling is relatively small at these heights, it is not expected that the frequencies of unstable conditions in the 110- to 275-meter layer during fall and winter is appreciably different than for spring and summer. As evidenced by the joint frequency distributions included in the June 4, 1976, submittal, the frequency of stable conditions below plume level is higher in fall (about 55%) and winter (about 57%) than in spring (about 51%) and summer (about 47%). Furthermore, the longer fall and winter nights tend to result in deeper surface-based stable layers than in spring and summer.

In summary, the assumption of stability class D for the stack release is realistic and conservative, and apparently even more conservative during fall and winter than spring and summer.

BROWNS FERRY NUCLEAR PLANT - APPENDIX I
NRC REQUEST FOR ADDITIONAL INFORMATION

NRC Item 2.

Explain the rationale for use of the "1/7 Power Law" for extrapolating wind speeds from measurements at 300 feet to represent wind speed conditions at 150 feet. The use of the "1/7 Power Law" provides estimates of higher wind speeds at the lower level than use of the power law recommended in the "Recommended Guide for the Prediction of the Dispersion of Airborne Effluents" (ASME, 1968; Maynard Smith, Editor), which also considers variations in wind speed by atmospheric stability classification.

TVA Response

At the time of preparation of the material submitted to demonstrate compliance with Appendix I, 10 CFR Part 50, 150-foot wind data were not available for the Browns Ferry Nuclear Plant. Previous analyses of data from other TVA nuclear plant meteorological facilities indicated that vertical wind profiles and the relationship of wind speeds from one level to another are strongly dependent on local terrain and are, therefore, site-specific.

Since these relationships could not be determined for the Browns Ferry site between 300 and 150 feet from actual data, the use of the 1/7 power law was selected for this extrapolation approach. The 1/7 power does provide higher estimates of wind speeds than the powers recommended by the ASME Guide.

In the split-release model recommended by NRC Regulatory Guide 1.111, higher wind speeds at the effluent release level result in a larger contribution to the ground-level release mode and thus higher ground-level concentrations of released materials. Consequently, the use of the 1/7 power law is a conservative approach. Actual 33-foot wind data were used to estimate the dispersion of the portion of the effluent which was treated as a ground-level release.



BROWNS FERRY NUCLEAR PLANT - APPENDIX I
NRC REQUEST FOR ADDITIONAL INFORMATION

NRC Item 3.

Provide a comparison of actual measurements of wind speed and direction at 150 feet (since April 1976) with extrapolations of 300 feet measurements for the same period using the techniques described in your June 4, 1976 submittal. The selected period of record for this comparison should cover a reasonable sample of atmospheric diffusion conditions.

TVA Response

Data obtained at the Browns Ferry Nuclear Plant meteorological facility during the period May 1 - September 30, 1976, were examined. Joint frequency distributions of wind direction and wind speed, by stability class and for all stability classes combined, are provided as follows:

<u>Table</u>	<u>Basis for Stability Class</u>	<u>Wind direction</u>	<u>Wind Speed</u>
3-1	150- to 300-foot ΔT	150 ft	150 ft
3-2	150- to 300-foot ΔT	300 ft	300 ft
3-3	150- to 300-foot ΔT	300 ft	150 ft*
3-4	150- to 300-foot ΔT	300 ft	150 ft**

*extrapolated from 300 feet, using the 1/7 power law.

**extrapolated from 300 feet, using the ASME power law.

Tables 3-1 and 3-2 were developed from actual data measured at the indicated levels. Table 3-3 corresponds to the techniques applied for the June 4, 1976, submittal. For comparison purposes, Table 3-4 has been included to show the difference between the 1/7 power law and that recommended by the ASME.

During this period, wind speeds extrapolated by the ASME power law compared favorably with the actual 150-foot wind speeds, while those extrapolated by the 1/7 power law were slightly higher. Tables 3-5 through 3-8 provide frequency distributions and cumulative frequency distributions of wind speeds, corresponding to the data used in Tables 3-1 through 3-4, respectively. It should be noted that for much of this period of record, the actual 150-foot wind data were recorded on analog strip chart only. The wind speed data taken from the strip charts are reported to the nearest whole mile per hour, which is the reading resolution of the strip chart record.



TABLE

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA TC = -1.9 DEG. C/100M

POCONO PERRY NUCLEAR PLANT METEOROLOGICAL FACILITY *

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	0.0-1.0	1.0-2.0	2.0-3.0	3.0-4.0	4.0-5.0	5.0-6.0	6.0-7.0	7.0-8.0	8.0-9.0	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.03
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.03
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUNTOTAL	0.0	0.0	0.0	0.0	0.03	0.0	0.03	0.0	0.0	0.06

CALC = 0.0

3 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 3527 VALID TEMPERATURE DIFFERENCE READINGS

2 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 3 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF POCONO PERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
WIND INSTRUMENTS AT 150 FEET ABOVE GROUND

TABLE 3-1

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.03
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.03
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.03
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SURTOTAL	0.0	0.0	0.03	0.06	0.0	0.0	0.0	0.0	0.09
CALM *	0.0								

4 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 3527 VALID TEMPERATURE DIFFERENCE READINGS

3 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 4 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
WIND INSTRUMENTS AT 150 FEET ABOVE GROUND

TABLE 3

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
 $-1.7 < \Delta T < -1.5$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	0.1-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	25-4.5		
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.06	0.03	0.0	0.0	0.0	0.0	0.0	0.09
SSE	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.03
S	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.03
SSW	0.0	0.0	0.03	0.06	0.03	0.0	0.0	0.0	0.0	0.12
SW	0.0	0.0	0.0	0.06	0.03	0.0	0.0	0.0	0.0	0.09
WSW	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.03
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.03
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.18	0.15	0.09	0.0	0.0	0.0	0.0	0.42
CALM =	0.0									

15 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 3527 VALID TEMPERATURE DIFFERENCE READINGS

14 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 15 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 150 FEET ABOVE GROUND



TABLE 3-1

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.0-1.4	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	
N	0.0	0.14	0.20	0.38	1.74	1.45	0.06	0.0	3.97
NNE	0.0	0.06	0.29	0.29	1.62	0.64	0.0	0.0	2.90
NE	0.0	0.03	0.12	0.26	0.52	0.12	0.0	0.0	1.05
ENE	0.0	0.20	0.12	0.14	0.09	0.03	0.0	0.0	0.58
E	0.0	0.09	0.14	0.20	0.38	0.0	0.0	0.0	0.81
ESE	0.03	0.32	0.41	0.46	1.10	0.17	0.0	0.0	2.49
SE	0.00	0.90	1.51	1.16	1.07	0.49	0.0	0.03	5.30
SSE	0.0	0.55	0.49	0.72	1.45	0.75	0.17	0.03	4.16
S	0.03	0.35	0.84	0.78	1.45	1.19	0.06	0.06	4.76
SSW	0.03	0.43	0.67	0.38	0.64	0.23	0.0	0.0	2.38
SW	0.03	0.38	0.93	0.35	0.52	0.32	0.0	0.0	2.53
WSW	0.03	0.23	0.67	0.32	0.55	0.20	0.0	0.0	2.09
W	0.03	0.23	1.19	1.45	1.16	0.17	0.0	0.0	4.24
WNW	0.0	0.14	0.58	0.93	0.75	0.14	0.0	0.0	2.54
W	0.0	0.09	0.49	0.87	1.62	0.58	0.0	0.0	3.65
WNW	0.0	0.09	0.26	0.12	1.27	0.72	0.03	0.0	2.49
SUBTOTAL	0.24	4.31	8.91	8.81	15.93	7.20	0.32	0.12	45.84

CALM = 0.03

1610 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 3527 VALID TEMPERATURE DIFFERENCE READINGS

1583 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1610 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
WIND INSTRUMENTS AT 150 FEET ABOVE GROUND

TABLE 3-

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED(MPH)								TOTAL
	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	
N	0.0	0.41	0.61	0.49	1.51	0.14	0.0	0.0	3.16
NNE	0.03	0.17	0.41	0.50	1.27	0.49	0.0	0.0	2.95
NE	0.06	0.20	0.14	0.43	0.35	0.17	0.0	0.0	1.35
ENE	0.06	0.20	0.52	0.17	0.32	0.03	0.0	0.0	1.30
E	0.09	0.43	0.46	0.81	0.87	0.12	0.03	0.0	2.81
ESE	0.0	0.75	0.58	0.43	0.75	0.17	0.0	0.0	2.68
SE	0.12	0.78	1.01	0.67	0.81	0.14	0.0	0.0	3.53
SSE	0.06	0.61	0.93	0.64	1.16	0.58	0.03	0.0	4.01
S	0.09	0.67	0.90	0.72	1.48	0.67	0.09	0.0	4.62
SSH	0.12	0.52	0.43	0.35	0.41	0.09	0.0	0.0	1.92
SW	0.03	0.23	0.75	0.23	0.23	0.0	0.0	0.0	1.47
WSW	0.03	0.29	0.32	0.29	0.17	0.03	0.0	0.0	1.13
W	0.03	0.46	0.52	0.75	0.26	0.0	0.0	0.0	2.02
WNW	0.06	0.20	0.35	0.46	0.20	0.03	0.0	0.0	1.30
NW	0.0	0.17	0.49	0.46	0.49	0.12	0.0	0.0	1.73
NNW	0.12	0.17	0.29	0.35	1.01	0.06	0.0	0.0	2.00
SUBTOTAL	0.90	6.26	8.71	7.83	11.29	2.84	0.15	0.0	37.98

CALM = 0.0

1357 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 3527 VALID TEMPERATURE DIFFERENCE READINGS

1312 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1357 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
WIND INSTRUMENTS AT 150 FEET ABOVE GROUND

TABLE 3-

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	0.0	0.12	0.23	0.26	0.84	0.09	0.0	0.0	1.54
NNE	0.0	0.06	0.0	0.09	0.84	0.55	0.0	0.0	1.54
NE	0.0	0.0	0.06	0.23	0.72	0.35	0.0	0.0	1.36
ENE	0.03	0.09	0.09	0.23	0.55	0.06	0.0	0.0	1.05
E	0.06	0.12	0.06	0.20	0.61	0.0	0.0	0.0	1.05
ESE	0.0	0.20	0.14	0.20	0.23	0.0	0.0	0.0	0.77
SE	0.09	0.23	0.41	0.23	0.0	0.0	0.0	0.0	0.96
SSE	0.03	0.20	0.29	0.17	0.0	0.0	0.0	0.0	0.69
S	0.12	0.26	0.26	0.09	0.26	0.03	0.0	0.0	1.02
SSW	0.03	0.09	0.20	0.03	0.06	0.0	0.0	0.0	0.41
SW	0.09	0.20	0.03	0.09	0.12	0.0	0.0	0.0	0.53
WSW	0.0	0.12	0.06	0.03	0.0	0.0	0.0	0.0	0.21
W	0.04	0.20	0.09	0.06	0.12	0.0	0.0	0.0	0.56
WNW	0.0	0.09	0.03	0.03	0.0	0.0	0.0	0.0	0.15
NW	0.0	0.06	0.06	0.14	0.0	0.0	0.0	0.0	0.26
NNW	0.0	0.09	0.09	0.03	0.09	0.0	0.0	0.0	0.30
SUBTOTAL	0.54	2.13	2.10	2.11	4.44	1.08	0.0	0.0	12.40
CALH =	0.03								

427 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 3527 VALID TEMPERATURE DIFFERENCE READINGS

427 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 427 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
WIND INSTRUMENTS AT 150 FEET ABOVE GROUND

TABLE 3

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.06	0.06	0.06	0.12	0.0	0.0	0.0	0.30
NNE	0.0	0.03	0.12	0.14	0.38	0.12	0.0	0.0	0.79
NE	0.0	0.06	0.06	0.12	0.52	0.06	0.0	0.0	0.82
ENE	0.0	0.0	0.03	0.20	0.20	0.0	0.0	0.0	0.43
E	0.0	0.0	0.0	0.03	0.23	0.03	0.0	0.0	0.29
ESE	0.0	0.03	0.0	0.0	0.06	0.0	0.0	0.0	0.09
SE	0.0	0.03	0.09	0.0	0.0	0.0	0.0	0.0	0.12
SSE	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.03
S	0.0	0.03	0.06	0.06	0.03	0.0	0.0	0.0	0.18
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.06
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.06	0.09	0.0	0.0	0.0	0.15
SUBTOTAL	0.0	0.27	0.48	0.67	1.63	0.21	0.0	0.0	3.26

CALN = 0.0

111 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 3527 VALID TEMPERATURE DIFFERENCE READINGS

111 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 111 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALN TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
WIND INSTRUMENTS AT 150 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	0.5-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	24.5-30.4	30.5-36.4	
N	0.0	0.73	1.15	1.23	4.25	1.62	0.06	0.0	0.0	9.04
NNE	0.03	0.34	0.84	1.12	3.99	1.76	0.0	0.0	0.0	8.08
NE	0.06	0.28	0.47	1.06	2.15	0.67	0.0	0.0	0.0	4.63
ENE	0.00	0.47	0.73	0.78	1.31	0.11	0.0	0.0	0.0	3.48
E	0.14	0.61	0.70	1.20	2.15	0.14	0.03	0.0	0.0	4.97
ESE	0.06	1.28	1.09	1.06	2.18	0.34	0.0	0.0	0.0	6.01
SE	0.25	2.04	3.13	2.01	1.87	0.61	0.0	0.03	0.0	9.94
SSF	0.08	1.34	1.73	1.48	2.60	1.28	0.22	0.03	0.0	8.76
S	0.22	1.26	2.18	1.65	3.30	1.62	0.14	0.03	0.0	10.65
SSW	0.17	1.01	1.28	0.87	1.12	0.31	0.0	0.0	0.0	4.76
SW	0.14	0.81	1.73	0.87	0.89	0.31	0.0	0.0	0.0	4.75
WSW	0.06	0.67	1.09	0.61	0.73	0.22	0.0	0.0	0.0	3.38
W	0.14	0.89	1.76	2.26	1.54	0.17	0.0	0.0	0.0	6.76
WNW	0.06	0.45	1.01	1.48	1.01	0.20	0.0	0.0	0.0	4.21
NW	0.0	0.31	1.06	1.48	2.15	0.67	0.0	0.0	0.0	5.67
NNW	0.11	0.34	0.64	0.53	2.43	0.75	0.03	0.0	0.0	4.83
SUBTOTAL	1.60	12.83	20.59	19.69	33.67	10.98	0.48	0.14	0.0	99.98

CALM = 0.06

3580 VALID WIND DIRECTIONS - WIND SPEED READINGS OUT OF 3672 TOTAL HOURS = 97.49 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 150 FEET ABOVE GROUND

TABLE 3-2

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSESSTABILITY CLASS A
DELTA TC = -1.9 DEG. C/100 M

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.03
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.03
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.03	0.0	0.06

2.0 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

TABLE 3-

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100K.

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	CALE	WIND SPEED (MPH)								TOTAL	
		0.5-1.4	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		
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.03
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.03
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.03
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.03	0.03	0.03	0.0	0.0	0.0	0.0	0.09

3.0 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

TABLE 3-2

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	CALM	WIND SPEED (MPH)									TOTAL
		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		
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.06	0.03	0.0	0.0	0.0	0.0	0.09
SSE	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
S	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.03
SSW	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.06
SW	0.0	0.0	0.0	0.03	0.03	0.06	0.0	0.0	0.0	0.0	0.12
WSW	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.03
W	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.03
WNW	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.03
W'N'	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.03	0.09	0.12	0.18	0.0	0.0	0.0	0.0	0.42

14.0 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

TABLE

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSESSTABILITY CLASS D
-1.5 < DELTA-T < -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	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	
N	0.0	0.0	0.14	0.29	0.20	1.27	1.50	0.09	0.03	3.52
NNE	0.0	0.0	0.0	0.23	0.14	1.56	1.07	0.03	0.0	3.03
NE	0.0	0.0	0.12	0.12	0.12	0.66	0.29	0.0	0.0	1.31
ENE	0.0	0.0	0.03	0.14	0.03	0.29	0.03	0.0	0.0	0.52
E	0.0	0.03	0.17	0.06	0.17	0.26	0.09	0.0	0.0	0.78
ESE	0.0	0.0	0.20	0.26	0.20	1.07	1.24	0.09	0.0	3.06
SE	0.0	0.0	0.46	0.92	1.01	0.98	0.66	0.61	0.03	4.67
SSE	0.0	0.0	0.38	0.64	0.64	1.44	0.69	0.29	0.03	4.11
S	0.0	0.0	0.12	0.43	0.46	1.42	1.24	0.03	0.06	3.76
SSW	0.0	0.0	0.17	0.43	0.29	0.81	0.64	0.06	0.0	2.40
SW	0.0	0.0	0.14	0.40	0.26	0.95	0.32	0.20	0.0	2.27
WSW	0.0	0.0	0.20	0.95	0.49	0.55	0.49	0.03	0.0	2.71
W	0.0	0.03	0.23	0.95	0.78	0.98	0.35	0.06	0.0	3.38
WNW	0.0	0.0	0.12	0.43	1.18	1.39	0.14	0.0	0.0	3.26
W	0.0	0.03	0.17	0.46	0.95	1.56	0.87	0.03	0.0	4.07
NNW	0.0	0.0	0.06	0.29	0.23	1.21	1.16	0.14	0.0	3.09
SUBTOTAL	0.0	0.09	2.71	7.00	7.15	16.40	10.78	1.66	0.15	45.94

1591.0 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

TABLE 3

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*STABILITY CLASS E
-0.5< DELTA-T <= 1.5 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)									
	CALM	0.6-1.6	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	0.0	0.0	0.12	0.12	0.46	0.75	1.13	0.06	0.0	2.64
NNE	0.0	0.0	0.06	0.12	0.23	1.04	1.10	0.78	0.0	3.33
NE	0.0	0.0	0.03	0.17	0.06	0.52	0.46	0.23	0.0	1.47
ENE	0.0	0.0	0.26	0.23	0.09	0.58	0.12	0.0	0.0	1.28
E	0.0	0.0	0.14	0.20	0.20	0.46	0.29	0.14	0.0	1.43
ESE	0.0	0.0	0.14	0.20	0.46	0.84	0.78	0.32	0.0	2.74
SE	0.0	0.09	0.38	0.69	0.66	1.24	0.40	0.03	0.03	3.52
SSE	0.0	0.03	0.43	0.87	0.78	1.27	1.18	0.20	0.0	4.76
S	0.0	0.0	0.12	0.55	0.87	1.42	0.84	0.09	0.03	3.92
SSW	0.0	0.0	0.29	0.52	0.35	0.61	0.55	0.03	0.0	2.35
SW	0.0	0.03	0.17	0.32	0.49	0.66	0.29	0.06	0.0	2.02
WSW	0.0	0.0	0.06	0.35	0.46	0.40	0.09	0.0	0.0	1.36
W	0.0	0.0	0.20	0.32	0.64	0.61	0.12	0.0	0.0	1.89
WNW	0.0	0.0	0.29	0.32	0.58	0.75	0.12	0.0	0.0	2.06
NW	0.0	0.0	0.14	0.20	0.35	0.52	0.26	0.03	0.0	1.50
NNW	0.0	0.0	0.14	0.20	0.32	0.95	0.52	0.03	0.0	2.16
SUBTOTAL	0.0	0.15	2.97	5.38	7.00	12.62	8.25	2.00	0.06	38.43

1329.0 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

TABLE 3

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

WIND DIRECTIONS	WIND SPEED (MPH)									
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-17.4	18.5-24.4	>24.5	TOTAL
N	0.0	0.0	0.03	0.0	0.06	0.14	0.38	0.03	0.0	0.64
NNE	0.0	0.0	0.0	0.0	0.09	0.26	0.84	0.78	0.0	1.97
NE	0.0	0.0	0.0	0.0	0.06	0.26	0.69	0.52	0.0	1.53
ENE	0.0	0.0	0.03	0.03	0.09	0.26	0.32	0.03	0.0	0.76
E	0.0	0.0	0.03	0.03	0.12	0.40	0.14	0.0	0.0	0.72
ESE	0.0	0.0	0.12	0.12	0.20	0.46	0.32	0.0	0.0	1.22
SE	0.0	0.0	0.06	0.03	0.14	0.32	0.14	0.0	0.0	0.69
SSE	0.0	0.0	0.12	0.09	0.06	0.40	0.0	0.0	0.0	0.67
S	0.0	0.0	0.06	0.09	0.12	0.46	0.12	0.0	0.0	0.85
SSW	0.0	0.0	0.17	0.12	0.06	0.26	0.03	0.0	0.0	0.64
SW	0.0	0.0	0.03	0.12	0.06	0.17	0.14	0.0	0.0	0.52
WSW	0.0	0.0	0.06	0.09	0.12	0.06	0.03	0.0	0.0	0.36
W	0.0	0.0	0.14	0.09	0.12	0.06	0.0	0.0	0.0	0.41
WNW	0.0	0.03	0.14	0.03	0.03	0.17	0.06	0.0	0.0	0.46
NW	0.0	0.03	0.09	0.03	0.0	0.12	0.0	0.0	0.0	0.27
NNW	0.0	0.0	0.06	0.06	0.06	0.09	0.03	0.0	0.0	0.30
SUBTOTAL	0.0	0.06	1.14	0.93	1.39	3.89	3.24	1.36	0.0	12.01

413.0 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

TABLE 3-2

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G

-1.9 < DELTA-T <= A DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	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	
H	0.0	0.0	0.0	0.0	0.0	0.03	0.03	0.0	0.0	0.06
NNE	0.0	0.0	0.0	0.03	0.0	0.0	0.06	0.14	0.0	0.23
NE	0.0	0.0	0.0	0.0	0.03	0.20	0.32	0.17	0.0	0.72
ENE	0.0	0.0	0.0	0.03	0.03	0.43	0.38	0.03	0.0	0.90
E	0.0	0.0	0.0	0.03	0.03	0.26	0.0	0.0	0.0	0.32
ESE	0.0	0.0	0.03	0.0	0.0	0.17	0.12	0.0	0.0	0.32
SE	0.0	0.0	0.0	0.0	0.0	0.03	0.14	0.0	0.0	0.17
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.03	0.06	0.0	0.0	0.09
SSH	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.03
SW	0.0	0.0	0.0	0.03	0.03	0.03	0.0	0.0	0.0	0.09
WSW	0.0	0.03	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.09
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.03	0.0	0.03	0.0	0.0	0.0	0.06
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.09
SUBTOTAL	0.0	0.03	0.03	0.21	0.12	1.21	1.23	0.34	0.0	3.17

109.0 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

TABLE 3-2

PERCENT OCCURENCE OF WIND
FROM ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT

MAY 1, '76 - SEP 30, '76

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	CALC	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	
N	0.0	0.0	0.29	0.41	0.72	2.19	3.04	0.18	0.03	6.86
NNE	0.0	0.0	0.06	0.38	0.46	2.86	3.07	1.76	0.0	8.59
NE	0.0	0.0	0.15	0.29	0.27	1.64	1.76	0.92	0.0	5.03
ENE	0.0	0.0	0.32	0.43	0.24	1.56	0.85	0.06	0.0	3.46
E	0.0	0.03	0.34	0.32	0.52	1.38	0.52	0.14	0.0	3.25
ESE	0.0	0.0	0.49	0.58	0.86	2.54	2.46	0.41	0.0	7.34
SE	0.0	0.09	0.90	1.64	1.87	2.60	1.34	0.64	0.06	9.14
SSE	0.0	0.03	0.96	1.60	1.48	3.11	1.87	0.49	0.03	9.57
S	0.0	0.0	0.30	1.10	1.48	3.33	2.26	0.12	0.09	8.66
SSW	0.0	0.0	0.63	1.07	0.70	1.74	1.25	0.09	0.0	5.48
SW	0.0	0.03	0.34	0.90	0.87	1.93	0.75	0.26	0.0	5.08
WSW	0.0	0.03	0.32	1.45	1.07	1.04	0.61	0.03	0.0	4.55
W	0.0	0.03	0.57	1.36	1.57	1.65	0.47	0.06	0.0	5.71
WNW	0.0	0.03	0.55	0.84	1.79	2.34	0.32	0.0	0.0	5.87
NW	0.0	0.06	0.40	0.72	1.30	2.20	1.13	0.06	0.0	5.87
NNW	0.0	0.0	0.26	0.55	0.61	2.25	1.80	0.17	0.0	5.64
SUBTOTAL	0.0	0.33	6.88	13.64	15.81	34.36	23.50	5.39	0.21	100.12

3461.0 OBSERVATIONS AT THIS LEVEL OUT OF 3461 VALID OBSERVATIONS

3461 VALID OBSERVATIONS OUT OF 3672 TOTAL OBSERVATIONS = 94.25 PERCENT

WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

TABLE

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSESSTABILITY CLASS A
DELTA T_K = -1.9 DEG. C/100 M

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)									TOTAL	
	CALM	0.5-1.4	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		
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.03
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.03
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.03	0.03	0.0	0.0	0.0	0.06

2.0 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTROPOLATED FROM 300 FEET BY 1/7 POWER LAW



TABLE 3

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	CALM	WIND SPEED (MPH)									TOTAL
		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		
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.03
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.03
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.03
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.06	0.0	0.03	0.0	0.0	0.0	0.0	0.09

3.0 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY 1/7 POWER LAW



TABLE 3-

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	CALM	WIND SPEED (MPH)									TOTAL
		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		
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
SSE	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
S	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.03
SSW	0.0	0.0	0.0	0.0	0.03	0.03	0.0	0.0	0.0	0.0	0.06
SW	0.0	0.0	0.0	0.06	0.03	0.03	0.0	0.0	0.0	0.0	0.12
WSW	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.03
W	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.03
WNW	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.06	0.09	0.18	0.09	0.0	0.0	0.0	0.0	0.42

14.0 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY 1/7 POWER LAW



TABLE

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSESSTABILITY CLASS D
-1.5 < DELTA-T < -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

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	0.0	0.0	0.14	0.29	0.38	1.39	1.30	0.03	0.0	3.53
NNE	0.0	0.0	0.06	0.26	0.26	1.79	0.66	0.0	0.0	3.03
NE	0.0	0.0	0.12	0.14	0.17	0.69	0.17	0.0	0.0	1.29
ENE	0.0	0.0	0.03	0.14	0.09	0.26	0.0	0.0	0.0	0.52
E	0.0	0.03	0.20	0.12	0.14	0.26	0.03	0.0	0.0	0.78
ESE	0.0	0.03	0.23	0.23	0.40	1.36	0.78	0.03	0.0	3.66
SE	0.0	0.0	0.64	1.10	1.01	0.75	0.72	0.43	0.03	4.66
SSE	0.0	0.0	0.49	0.75	0.84	1.13	0.75	0.12	0.03	4.11
S	0.0	0.0	0.23	0.46	0.55	1.47	0.98	0.0	0.06	3.75
SSW	0.0	0.0	0.20	0.46	0.40	0.90	0.40	0.03	0.0	2.39
SW	0.0	0.0	0.26	0.29	0.55	0.78	0.40	0.0	0.0	2.26
WSW	0.0	0.0	0.35	0.92	0.49	0.56	0.38	0.0	0.0	2.72
W	0.0	0.03	0.32	1.10	0.69	0.95	0.26	0.03	0.0	3.31
WNW	0.0	0.0	0.20	0.55	1.42	1.01	0.09	0.0	0.0	3.27
NW	0.0	0.06	0.14	0.75	0.95	1.56	0.58	0.03	0.0	4.07
NNW	0.0	0.0	0.09	0.32	0.26	1.42	1.01	0.0	0.0	3.10
SUBTOTAL	0.0	0.15	3.70	7.88	8.60	16.30	8.51	0.70	0.12	45.96

1591.0 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTROPOLATED FROM 300 FEET BY 1/7 POWER LAW

TABLE

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSESSTABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)									
	CALM	0.6-1.6	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>24.4	TOTAL
N	0.0	0.0	0.17	0.17	0.49	1.04	0.75	0.6	0.0	2.62
NNE	0.0	0.0	0.06	0.17	0.32	1.21	1.20	0.26	0.0	3.32
NE	0.0	0.0	0.09	0.14	0.09	0.64	0.46	0.06	0.0	1.48
ENE	0.0	0.0	0.32	0.20	0.12	0.58	0.06	0.0	0.0	1.28
E	0.0	0.0	0.23	0.20	0.32	0.35	0.29	0.06	0.0	1.45
ESE	0.003	0.03	0.17	0.20	0.58	0.81	0.84	0.12	0.0	2.75
SE	0.010	0.09	0.43	0.78	0.75	1.18	0.26	0.03	0.0	3.53
SSE	0.003	0.03	0.61	0.90	0.95	1.27	0.90	0.12	0.0	4.76
S	0.003	0.03	0.14	0.64	0.95	1.42	0.66	0.06	0.0	3.90
SSW	0.003	0.03	0.35	0.52	0.38	0.72	0.32	0.03	0.0	2.35
SW	0.003	0.03	0.26	0.26	0.49	0.64	0.26	0.06	0.0	2.06
WSW	0.0	0.0	0.06	0.55	0.46	0.20	0.09	0.0	0.0	1.36
W	0.003	0.03	0.20	0.52	0.55	0.49	0.09	0.0	0.0	1.88
WNW	0.0	0.0	0.32	0.46	0.69	0.52	0.06	0.0	0.0	2.05
NW	0.0	0.0	0.26	0.26	0.26	0.55	0.17	0.0	0.0	1.50
NNW	0.0	0.0	0.14	0.29	0.43	1.01	0.29	0.0	0.0	2.16
SUBTOTAL	0.028	0.27	3.81	6.26	7.83	12.63	6.80	0.80	0.0	38.43

1329.0 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTROPOLATED FROM 300 FEET BY 1/7 POWER LAW

TABLE 3

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/1004

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	CALM	WIND SPEED (MPH)									TOTAL
		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		
N	0.0	0.0	0.03	0.03	0.09	0.12	0.38	0.0	0.0	0.65	
NNE	0.0	0.0	0.0	0.0	0.14	0.46	0.95	0.40	0.0	1.95	
NE	0.0	0.0	0.0	0.0	0.09	0.52	0.52	0.40	0.0	1.53	
ENE	0.0	0.0	0.03	0.04	0.03	0.26	0.35	0.0	0.0	0.76	
E	0.0	0.0	0.03	0.09	0.17	0.32	0.12	0.0	0.0	0.73	
ESE	0.0	0.0	0.12	0.20	0.23	0.43	0.23	0.0	0.0	1.21	
SE	0.0	0.0	0.06	0.09	0.14	0.35	0.06	0.0	0.0	0.70	
SSE	0.0	0.0	0.12	0.14	0.12	0.29	0.0	0.0	0.0	0.67	
S	0.0	0.0	0.06	0.12	0.09	0.49	0.09	0.0	0.0	0.85	
SSW	0.0	0.0	0.17	0.17	0.0	0.26	0.03	0.0	0.0	0.63	
SW	0.0	0.0	0.03	0.14	0.06	0.14	0.14	0.0	0.0	0.51	
WSW	0.0	0.0	0.06	0.09	0.14	0.03	0.03	0.0	0.0	0.35	
W	0.0	0.0	0.17	0.12	0.09	0.03	0.0	0.0	0.0	0.41	
WNW	0.0	0.03	0.14	0.06	0.06	0.17	0.0	0.0	0.0	0.46	
NW	0.0	0.03	0.09	0.03	0.03	0.09	0.0	0.0	0.0	0.27	
NNW	0.0	0.0	0.06	0.06	0.09	0.09	0.0	0.0	0.0	0.30	
SUBTOTAL	0.0	0.06	1.17	1.43	1.57	4.05	2.90	0.80	0.0	11.98	

413.0 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY 1/7 POWER LAW

TABLE

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS G
-1.9 < DELTA-T <= A DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

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	0.0	0.0	0.0	0.0	0.0	0.03	0.03	0.0	0.0	0.06
NNE	0.0	0.0	0.0	0.03	0.0	0.0	0.14	0.06	0.0	0.23
NE	0.0	0.0	0.0	0.0	0.03	0.32	0.32	0.06	0.0	0.73
ENE	0.0	0.0	0.0	0.03	0.03	0.55	0.29	0.0	0.0	0.90
E	0.0	0.0	0.0	0.03	0.12	0.17	0.0	0.0	0.0	0.32
ESE	0.0	0.0	0.03	0.0	0.06	0.12	0.12	0.0	0.0	0.33
SE	0.0	0.0	0.0	0.0	0.0	0.06	0.12	0.0	0.0	0.11
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.09
SSW	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.03
SW	0.0	0.0	0.0	0.06	0.0	0.03	0.0	0.0	0.0	0.09
WSW	0.0	0.03	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.09
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.03	0.03	0.0	0.0	0.0	0.0	0.06
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.03	0.06	0.0	0.0	0.09
SUBTOTAL	0.0	0.03	0.03	0.24	0.27	1.43	1.08	0.12	0.0	3.20

109.0 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY 1/7 POWER LAW

TABLE 3-3

PERCENT OCCURENCE OF WIND
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)										TOTAL
	CALH	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	>24.4		
N	0.0	0.0	0.34	0.49	0.96	2.58	2.46	0.03	0.0	6.86	
NNE	0.0	0.0	0.12	0.46	0.72	3.46	3.08	0.72	0.0	8.56	
NE	0.0	0.0	0.21	0.28	0.36	2.17	1.47	0.52	0.0	5.03	
ENE	0.0	0.0	0.38	0.46	0.27	1.65	0.70	0.0	0.0	3.46	
E	0.0	0.03	0.46	0.44	0.75	1.10	0.44	0.06	0.0	3.21	
ESE	0.003	0.06	0.55	0.63	1.27	2.72	1.97	0.15	0.0	7.35	
SE	0.010	0.09	1.13	1.97	1.99	2.34	1.16	0.46	0.03	9.18	
SSE	0.003	0.03	1.25	1.79	1.91	2.69	1.65	0.24	0.03	9.59	
S	0.003	0.03	0.43	1.28	1.59	3.47	1.73	0.06	0.06	8.65	
SSW	0.003	0.03	0.72	1.15	0.81	1.94	0.75	0.06	0.0	5.46	
SW	0.003	0.03	0.55	0.81	1.13	1.66	0.60	0.06	0.0	5.06	
WSW	0.0	0.03	0.47	1.62	1.09	0.84	0.50	0.0	0.0	4.51	
W	0.003	0.06	0.69	1.74	1.36	1.47	0.35	0.03	0.0	5.70	
WWN	0.0	0.03	0.69	1.10	2.20	1.70	0.15	0.0	0.0	5.87	
NW	0.0	0.09	0.49	1.07	1.24	2.20	0.75	0.03	0.0	5.87	
NNW	0.0	0.0	0.29	0.67	0.78	2.55	1.36	0.0	0.0	5.65	
SUBTOTAL	0.028	0.51	8.77	15.96	18.45	34.56	19.32	2.42	0.12	100.14	

3461.0 OBSERVATIONS AT THIS LEVEL OUT OF 3461 VALID OBSERVATIONS

3461 VALID OBSERVATIONS OUT OF 3672 TOTAL OBSERVATIONS = 94.25 PERCENT

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY 1/7 POWER LAW

TABLE

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSESSTABILITY CLASS A
DELTA T_c = -1.9 DEG. C/100 M

BROWNS FERRY NUCLEAR PLANT (EFF. EXIT VEL. = 500MPH)

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	CALM	WIND SPEED (MPH)									TOTAL
		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		
H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.03
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.03
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.03	0.0	0.03	0.0	0.0	0.0	0.06

2.0 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED BROWNS FERRY

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY ASME POWER LAW

TABLE

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT (EFF. EXIT VEL. = 500MPH)

MAY 1, 76 - SEP 30, 76

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.03
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.03
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.03
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.06	0.0	0.03	0.0	0.0	0.0	0.09

3.0 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

METEOROLOGICAL FACILITY, LOCATED BROWNS FERRY

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY ASME POWER LAW

TABLE 3

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT (EFF. EXIT VEL. = 500MPH)

MAY 1, 76 - SEP 30, 76

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.03	0.06	0.0	0.0	0.0	0.0	0.09
SSE	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.03
S	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.03
SSW	0.0	0.0	0.0	0.0	0.03	0.03	0.0	0.0	0.0	0.06
SW	0.0	0.0	0.0	0.06	0.03	0.03	0.0	0.0	0.0	0.12
WSW	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.03
W	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.03
WNW	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.03
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.06	0.12	0.15	0.09	0.0	0.0	0.0	0.42

14.0 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED BROWNS FERRY

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY ASME POWER LAW

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT (EFF. EXIT VEL. = 500MPH)

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED (MPH)									
	CALM	0.6-1.6	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	0.0	0.0	0.23	0.26	0.46	1.73	0.81	0.03	0.0	3.52
NNE	0.0	0.0	0.06	0.29	0.46	1.76	0.46	0.0	0.0	3.03
NE	0.0	0.0	0.14	0.12	0.32	0.64	0.09	0.0	0.0	1.31
ENE	0.0	0.0	0.06	0.12	0.12	0.23	0.0	0.0	0.0	0.53
E	0.0	0.03	0.20	0.17	0.14	0.20	0.03	0.0	0.0	0.77
ESE	0.0	0.06	0.26	0.23	0.52	1.53	0.43	0.03	0.0	3.06
SE	0.0	0.0	0.75	1.16	0.95	0.78	0.75	0.26	0.03	4.68
SSE	0.0	0.0	0.55	0.81	1.04	0.90	0.75	0.03	0.03	4.11
S	0.0	0.0	0.32	0.43	0.66	1.62	0.66	0.06	0.0	3.75
SSW	0.0	0.03	0.20	0.49	0.61	0.72	0.35	0.0	0.0	2.40
SW	0.0	0.0	0.35	0.23	0.61	0.75	0.35	0.0	0.0	2.29
WSW	0.0	0.0	0.40	1.04	0.32	0.69	0.26	0.0	0.0	2.71
W	0.0	0.03	0.49	1.07	0.75	0.78	0.26	0.0	0.0	3.38
WNW	0.0	0.0	0.26	0.75	1.33	0.84	0.09	0.0	0.0	3.27
NW	0.0	0.06	0.17	0.98	0.95	1.44	0.43	0.03	0.0	4.06
NNW	0.0	0.0	0.09	0.35	0.49	1.39	0.78	0.0	0.0	3.10
SUBTOTAL	0.0	0.21	4.53	8.50	9.73	16.00	6.50	0.44	0.06	45.97

1571.0 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED BROWNS FERRY

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY ASME POWER LAW

TABLE 3-

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT (EFF. EXIT VEL. = 500MPH)

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	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	
N	0.0	0.0	0.23	0.52	0.40	1.33	0.14	0.0	0.0	2.62
NNE	0.0	0.0	0.17	0.26	0.64	1.33	0.92	0.0	0.0	3.32
NE	0.0	0.0	0.17	0.14	0.35	0.55	0.26	0.0	0.0	1.47
ENE	0.0	0.0	0.38	0.20	0.38	0.32	0.0	0.0	0.0	1.28
E	0.003	0.03	0.29	0.29	0.26	0.40	0.17	0.0	0.0	1.44
ESE	0.005	0.06	0.20	0.64	0.43	1.01	0.40	0.0	0.0	2.74
SE	0.020	0.23	0.64	1.04	0.95	0.61	0.06	0.0	0.0	3.55
SSE	0.005	0.06	1.01	1.21	0.72	1.33	0.40	0.0	0.0	4.73
S	0.003	0.03	0.49	1.07	0.84	1.30	0.17	0.0	0.0	3.90
SSW	0.010	0.12	0.52	0.55	0.29	0.78	0.09	0.0	0.0	2.36
SW	0.003	0.03	0.43	0.58	0.29	0.61	0.06	0.0	0.0	2.00
WSW	0.0	0.0	0.20	0.72	0.29	0.14	0.0	0.0	0.0	1.35
W	0.003	0.03	0.38	0.81	0.43	0.23	0.0	0.0	0.0	1.88
WNW	0.003	0.03	0.46	0.75	0.55	0.26	0.0	0.0	0.0	2.05
NW	0.003	0.03	0.29	0.43	0.29	0.43	0.03	0.0	0.0	1.50
NNW	0.003	0.03	0.26	0.40	0.55	0.90	0.03	0.0	0.0	2.17
SUBTOTAL	0.061	0.68	6.12	9.61	7.66	11.53	2.73	0.0	0.0	38.39

1329.0 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

*METEOROLOGICAL FACILITY LOCATED BROWNS FERRY

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY ASME POWER LAW

TABLE 3

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT (EFF. EXIT VEL. = 500MPH)

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	CALM	WIND SPEED (MPH)									TOTAL
		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		
H	0.0	0.0	0.03	0.09	0.09	0.38	0.06	0.0	0.0	0.65	
NNE	0.0	0.0	0.0	0.14	0.12	0.72	0.98	0.0	0.0	1.96	
NE	0.0	0.0	0.0	0.09	0.23	0.55	0.66	0.0	0.0	1.53	
ENE	0.0	0.03	0.03	0.09	0.14	0.38	0.09	0.0	0.0	0.76	
E	0.0	0.0	0.06	0.12	0.32	0.23	0.0	0.0	0.0	0.73	
ESE	0.0	0.0	0.14	0.35	0.20	0.52	0.0	0.0	0.0	1.21	
SE	0.0	0.06	0.03	0.14	0.23	0.23	0.0	0.0	0.0	0.69	
SSE	0.0	0.06	0.14	0.06	0.38	0.03	0.0	0.0	0.0	0.67	
S	0.0	0.0	0.12	0.14	0.23	0.35	0.0	0.0	0.0	0.84	
SSW	0.0	0.06	0.14	0.14	0.14	0.14	0.0	0.0	0.0	0.62	
SW	0.0	0.0	0.06	0.14	0.14	0.17	0.0	0.0	0.0	0.51	
WSW	0.0	0.0	0.12	0.17	0.0	0.06	0.0	0.0	0.0	0.35	
W	0.0	0.06	0.17	0.12	0.06	0.0	0.0	0.0	0.0	0.41	
WNW	0.0	0.03	0.14	0.06	0.12	0.12	0.0	0.0	0.0	0.47	
NW	0.0	0.06	0.09	0.0	0.09	0.03	0.0	0.0	0.0	0.27	
NNW	0.0	0.03	0.09	0.06	0.06	0.06	0.0	0.0	0.0	0.30	
SUBTOTAL	0.0	0.39	1.36	1.91	2.55	3.97	1.79	0.0	0.0	11.97	

413.0 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 3461.0 VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED BROWNS FERRY

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY ASME POWER LAW



TABLE 3

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *STABILITY CLASS G
-1.9 < DELTA-T <= A DEG. C/100M

BROWNS FERRY NUCLEAR PLANT (EFF. EXIT VEL. = 500MPH)

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	CALC	WIND SPEED (MPH)								TOTAL	
		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		
N	0.0	0.0	0.0	0.0	0.03	0.03	0.0	0.0	0.0	0.0	0.06
NNE	0.0	0.0	0.03	0.0	0.0	0.06	0.14	0.0	0.0	0.0	0.23
NE	0.0	0.0	0.0	0.03	0.14	0.35	0.20	0.0	0.0	0.0	0.72
ENE	0.0	0.0	0.03	0.03	0.14	0.66	0.03	0.0	0.0	0.0	0.89
E	0.0	0.0	0.03	0.03	0.20	0.06	0.0	0.0	0.0	0.0	0.32
ESE	0.0	0.0	0.03	0.0	0.09	0.17	0.03	0.0	0.0	0.0	0.32
SE	0.0	0.0	0.0	0.0	0.03	0.14	0.0	0.0	0.0	0.0	0.17
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.09
SSW	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.03
SW	0.0	0.0	0.03	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.09
WSW	0.0	0.03	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.06
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.09
SUBTOTAL	0.0	0.03	0.24	0.15	0.66	1.68	0.40	0.0	0.0	0.0	3.16

109.0 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 3161.0 VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED BROWNS FERRY

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY ASME POWER LAW

TABLE 3-4

PERCENT OCCURENCE OF WIND
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT (EFF EXIT VEL.=500MPH)

MAY 1, 76 - SEP 30, 76

WIND DIRECTION	CALC	WIND SPEED(MPH)									TOTAL
		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		
N	0.0	0.0	0.49	0.87	0.98	3.47	1.01	0.03	0.0	6.85	
NNE	0.0	0.0	0.26	0.69	1.22	3.87	2.53	0.0	0.0	8.57	
NE	0.0	0.0	0.31	0.38	1.04	2.09	1.21	0.0	0.0	5.03	
ENE	0.0	0.03	0.50	0.44	0.78	1.59	0.12	0.0	0.0	3.46	
E	0.003	0.06	0.58	0.61	0.92	0.89	0.20	0.0	0.0	3.26	
ESE	0.005	0.12	0.63	1.22	1.24	3.23	0.86	0.03	0.0	7.33	
SE	0.020	0.29	1.42	2.37	2.22	1.76	0.61	0.26	0.03	9.18	
SSE	0.005	0.12	1.73	2.08	2.14	2.26	1.15	0.03	0.03	9.54	
S	0.003	0.03	0.93	1.70	1.73	3.36	0.83	0.06	0.0	8.64	
SSW	0.010	0.21	0.86	1.18	1.07	1.70	0.44	0.0	0.0	5.47	
SW	0.003	0.03	0.87	1.04	1.13	1.59	0.41	0.0	0.0	5.07	
WSW	0.0	0.03	0.78	1.93	0.61	0.92	0.26	0.0	0.0	4.53	
W	0.003	0.12	1.04	2.00	1.27	1.01	0.26	0.0	0.0	5.70	
WNW	0.003	0.06	0.92	1.59	2.00	1.22	0.09	0.0	0.0	5.88	
NW	0.003	0.15	0.55	1.44	1.33	1.90	0.46	0.03	0.0	5.86	
NNW	0.003	0.06	0.44	0.81	1.10	2.44	0.81	0.0	0.0	5.66	
SUBTOTAL	0.061	1.31	12.31	20.35	20.78	33.30	11.45	0.44	0.06	100.06	

3461.0 OBSERVATIONS AT THIS LEVEL OUT OF 3461 VALID OBSERVATIONS

3461 VALID OBSERVATIONS OUT OF 3672 TOTAL OBSERVATIONS = 94.25 PERCENT

*METEOROLOGICAL FACILITY LOCATED BROWNS FERRY

WIND DIRECTION AT 300 FEET ABOVE GROUND

WIND SPEED AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY ASME POWER LAW



Tab 3-5

CUMULATIVE FREQUENCY DISTRIBUTION OF WIND SPEED*

Table 3-5

BROWNS FERRY NUCLEAR PLANT

5/1/76 - 9/30/76

WIND SPEED MPH	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0-0.5	2	0.06	2	0.06
0.6-1.0	54	1.55	56	1.61
1.1-1.5	4	0.11	60	1.72
1.6-2.0	145	4.17	205	5.89
2.1-2.5	20	0.57	225	6.46
2.6-3.0	243	6.98	468	13.44
3.1-3.5	50	1.44	518	14.88
3.6-4.0	267	7.67	785	22.55
4.1-4.5	63	1.81	848	24.36
4.6-5.0	306	8.79	1154	33.15
5.1-5.5	79	2.27	1233	35.42
5.6-6.0	266	7.64	1499	43.06
6.1-6.5	77	2.21	1576	45.27
6.6-7.0	263	7.56	1839	52.83
7.1-7.5	72	2.07	1911	54.90
7.6-8.0	255	7.33	2166	62.22
8.1-8.5	67	1.92	2233	64.15
8.6-9.0	212	6.09	2445	70.24
9.1-9.5	62	1.78	2507	72.02
9.6-10.0	167	4.80	2674	76.82
10.1-10.5	41	1.18	2715	77.99
10.6-11.0	147	4.22	2862	82.22
11.1-11.5	40	1.15	2902	83.37
11.6-12.0	135	3.88	3037	87.25
12.1-12.5	25	0.72	3062	87.96
12.6-13.0	109	3.13	3171	91.09
13.1-13.5	31	0.89	3202	91.99
13.6-14.0	86	2.47	3288	94.46
14.1-14.5	10	0.29	3298	94.74
14.6-15.0	65	1.87	3363	96.61
15.1-15.5	5	0.14	3368	96.75
15.6-16.0	53	1.52	3421	98.28
16.1-16.5	3	0.09	3424	98.36
16.6-17.0	23	0.66	3447	99.02
17.1-17.5	1	0.03	3448	99.05
17.6-18.0	12	0.34	3460	99.40
18.1-18.5	2	0.06	3462	99.45
18.6-19.0	5	0.14	3467	99.60
19.1-19.5	0	0.0	3467	99.60
19.6-20.0	4	0.11	3471	99.71
20.1-99.9	10	0.29	3481	100.00

*WIND SPEED TAKEN AT 150. FEET



CUMULATIVE FREQUENCY DISTRIBUTION OF WIND SPEED*

Table 3-6

Table 3-6

BROWNS FERRY NUCLEAR PLANT

5/1/76 - 9/30/76

WIND SPEED MPH	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0-0.5	0	0.0	0	0.0
0.6-1.0	5	0.14	5	0.14
1.1-1.5	8	0.23	13	0.38
1.6-2.0	31	0.90	44	1.27
2.1-2.5	65	1.88	109	3.15
2.6-3.0	80	2.31	189	5.46
3.1-3.5	71	2.05	260	7.51
3.6-4.0	102	2.95	362	10.45
4.1-4.5	122	3.52	484	13.98
4.6-5.0	124	3.58	608	17.56
5.1-5.5	140	4.04	748	21.50
5.6-6.0	126	3.64	874	25.24
6.1-6.5	123	3.55	997	28.79
6.6-7.0	146	4.22	1143	33.01
7.1-7.5	146	4.22	1289	37.22
7.6-8.0	158	4.56	1447	41.78
8.1-8.5	140	4.04	1587	45.83
8.6-9.0	130	3.75	1717	49.58
9.1-9.5	124	3.58	1841	53.16
9.6-10.0	128	3.70	1969	56.86
10.1-10.5	119	3.44	2088	60.29
10.6-11.0	92	2.66	2180	62.95
11.1-11.5	106	3.06	2286	66.01
11.6-12.0	96	2.77	2382	68.78
12.1-12.5	96	2.77	2478	71.56
12.6-13.0	97	2.80	2575	74.36
13.1-13.5	86	2.48	2661	76.84
13.6-14.0	70	2.02	2731	78.86
14.1-14.5	76	2.19	2807	81.06
14.6-15.0	83	2.40	2890	83.45
15.1-15.5	69	1.99	2959	85.45
15.6-16.0	71	2.05	3030	87.50
16.1-16.5	57	1.65	3087	89.14
16.6-17.0	47	1.36	3134	90.50
17.1-17.5	59	1.70	3193	92.20
17.6-18.0	47	1.36	3240	93.56
18.1-18.5	34	0.98	3274	94.54
18.6-19.0	26	0.75	3300	95.29
19.1-19.5	34	0.98	3334	96.27
19.6-20.0	23	0.66	3357	96.94
20.1-99.9	106	3.06	3463	100.00

*WIND SPEED TAKEN AT 300. FEET

CUMULATIVE FREQUENCY DISTRIBUTION OF WIND SPEED*

Table 3-7

Table 3-7

BROWNS FERRY NUCLEAR PLANT

5/ 1/76 - 9/30/76

WIND SPEED MPH	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.5	1	0.03	1	0.03
0.6- 1.0	5	0.14	6	0.17
1.1- 1.5	16	0.46	22	0.54
1.6- 2.0	40	1.16	62	1.79
2.1- 2.5	96	2.77	158	4.56
2.6- 3.0	72	2.08	230	6.54
3.1- 3.5	115	3.32	345	9.96
3.6- 4.0	121	3.49	466	13.46
4.1- 4.5	142	4.10	608	17.56
4.6- 5.0	140	4.04	748	21.50
5.1- 5.5	145	4.19	893	25.79
5.6- 6.0	141	4.07	1034	29.86
6.1- 6.5	170	4.91	1204	34.77
6.6- 7.0	148	4.27	1352	39.04
7.1- 7.5	184	5.31	1536	44.35
7.6- 8.0	136	3.93	1672	48.28
8.1- 8.5	143	4.13	1815	52.41
8.6- 9.0	131	3.78	1946	56.19
9.1- 9.5	142	4.10	2088	60.29
9.6-10.0	114	3.29	2202	63.59
10.1-10.5	109	3.15	2311	66.73
10.6-11.0	100	2.89	2411	69.62
11.1-11.5	110	3.18	2521	72.80
11.6-12.0	104	3.00	2625	75.80
12.1-12.5	83	2.40	2708	78.20
12.6-13.0	83	2.40	2791	80.59
13.1-13.5	87	2.51	2878	83.11
13.6-14.0	81	2.34	2959	85.45
14.1-14.5	71	2.05	3030	87.50
14.6-15.0	64	1.85	3094	89.34
15.1-15.5	54	1.56	3148	90.90
15.6-16.0	66	1.91	3214	92.81
16.1-16.5	39	1.13	3253	93.94
16.6-17.0	36	1.04	3289	94.98
17.1-17.5	33	0.95	3322	95.93
17.6-18.0	29	0.84	3351	96.77
18.1-18.5	25	0.72	3376	97.49
18.6-19.0	23	0.66	3399	98.15
19.1-19.5	13	0.38	3412	98.53
19.6-20.0	8	0.23	3420	98.76
20.1-99.9	43	1.24	3463	100.00

*WIND SPEED EXTRAPOLATED FROM 300. FEET TO 150. FEET USING THE ONE-SEVENTH POWER LAW



CUMULATIVE FREQUENCY DISTRIBUTION OF WIND SPEED*

Table 3-8

BROWNS FERRY NUCLEAR PLANT

5/ 1/76 - 9/30/76

WIND SPEED MPH	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.5	1	0.03	1	0.03
0.6- 1.0	8	0.23	9	0.26
1.1- 1.5	39	1.13	48	1.39
1.6- 2.0	86	2.54	136	3.93
2.1- 2.5	106	3.06	242	6.99
2.6- 3.0	114	3.29	356	10.28
3.1- 3.5	148	4.27	504	14.55
3.6- 4.0	172	4.97	676	19.52
4.1- 4.5	188	5.43	864	24.95
4.6- 5.0	177	5.11	1041	30.06
5.1- 5.5	164	4.74	1205	34.80
5.6- 6.0	190	5.49	1395	40.28
6.1- 6.5	163	4.71	1558	44.99
6.6- 7.0	178	5.14	1736	50.13
7.1- 7.5	161	4.65	1897	54.78
7.6- 8.0	157	4.53	2054	59.31
8.1- 8.5	145	4.19	2199	63.50
8.6- 9.0	153	4.42	2352	67.92
9.1- 9.5	115	3.32	2467	71.24
9.6-10.0	116	3.35	2583	74.59
10.1-10.5	105	3.03	2688	77.62
10.6-11.0	99	2.86	2787	80.48
11.1-11.5	101	2.92	2888	83.40
11.6-12.0	81	2.34	2969	85.73
12.1-12.5	91	2.63	3060	88.36
12.6-13.0	74	2.14	3134	90.50
13.1-13.5	63	1.82	3197	92.32
13.6-14.0	52	1.50	3249	93.82
14.1-14.5	55	1.59	3304	95.41
14.6-15.0	46	1.33	3350	96.74
15.1-15.5	22	0.64	3372	97.37
15.6-16.0	16	0.46	3388	97.83
16.1-16.5	24	0.69	3412	98.53
16.6-17.0	17	0.49	3429	99.02
17.1-17.5	7	0.20	3436	99.22
17.6-18.0	7	0.20	3443	99.42
18.1-18.5	3	0.09	3446	99.51
18.6-19.0	4	0.12	3450	99.62
19.1-19.5	3	0.09	3453	99.71
19.6-20.0	3	0.09	3456	99.80
20.1-99.9	7	0.20	3463	100.00

*WIND SPEED EXTRAPOLATED FROM 300. FEET TO 150. FEET USING THE ASME GUIDE POWER LAW PROFILE



Enclosure II Question 2

Provide, in tabular form, the distances from the centerline of the first nuclear unit to the following for each of the 22-1/2 degree radial sectors centered on the 16 cardinal compass directions.

- a. Nearest milk cow (to a distance of 5 miles)
- b. Nearest meat animal (to a distance of 5 miles)
- c. Nearest milk goat (to a distance of 5 miles)
- d. Nearest residence (to a distance of 5 miles)
- e. Nearest vegetable garden greater than 500 ft² (to a distance of 5 miles)
- f. Nearest site boundary

For radioactivity releases from stacks which qualify as elevated releases as defined in Draft Regulatory Guide 1.DD, identify the locations of all milk cows, milk goats, meat animals, residences, and vegetable gardens, in a similar manner, out to a distance of 3 miles for each radial sector.

Response

The locations and elevations of all milk cows and goats within 5 miles which produce milk for fluid consumption are given in Table II.1. The nearest beef animal is assumed to graze at the land site boundary. The distance to and elevation of the nearest residence in each sector from the center of the nuclear plant is given in Table II.2. For purposes of radiological dose calculations, TVA assumes that the nearest resident in each sector has a vegetable garden.

Enclosure II Question 3

Based on considerations in Draft Regulatory Guide 1.11, provide estimates of relative concentration (χ/Q) and deposition (D/Q) at locations specified in response to item 2 above for each release point specified in response to item 1 above.

Response

Estimates of normalized concentrations (χ/Q 's) and normalized deposition rates (D/Q 's) for each type of release (i.e., the turbine building, the radwaste/reactor building, and the stack) calculated with RG 1.11 methodology are listed in Table II.2 through II.4.

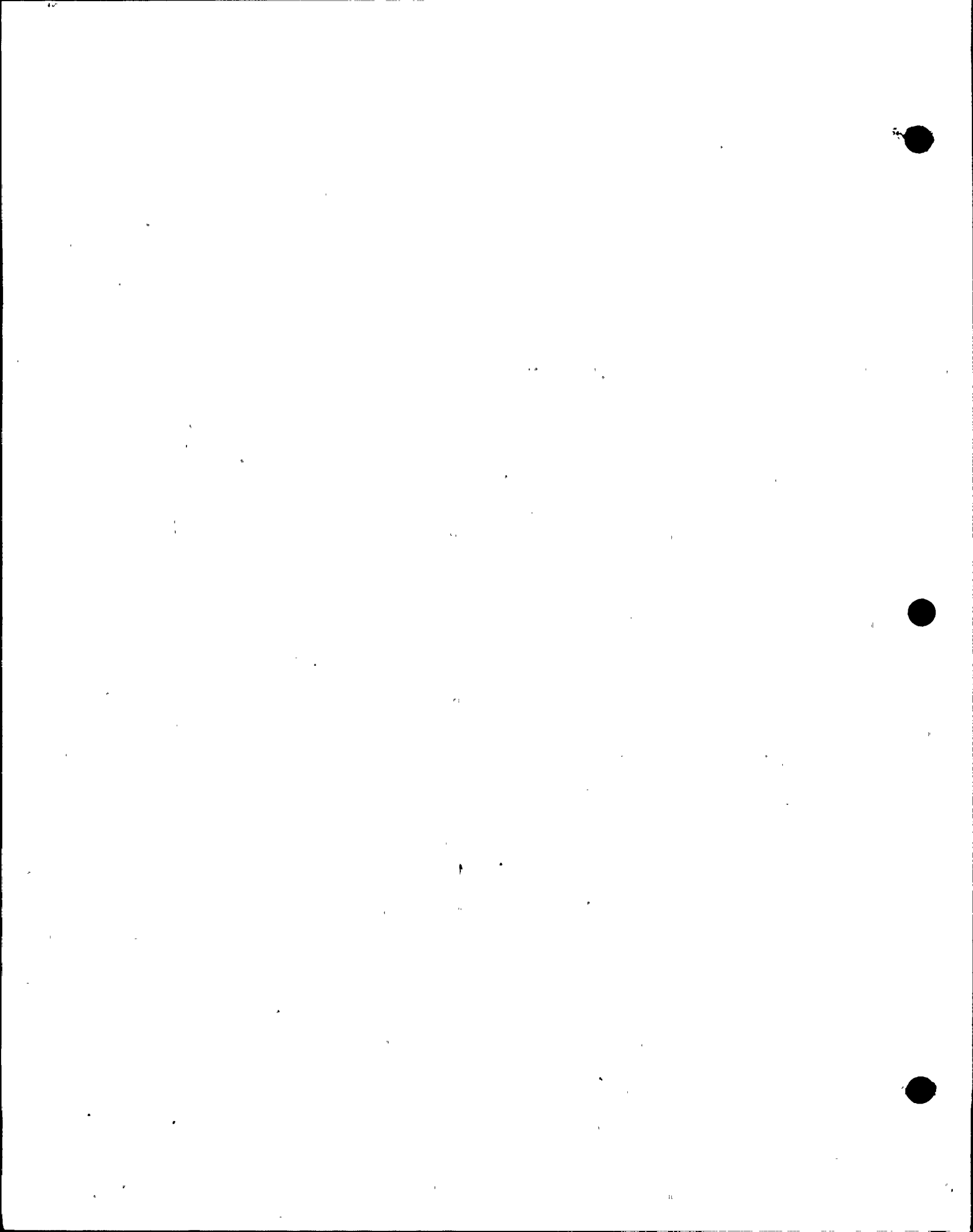


TABLE I.1

BFNP APPENDIX I COMPLIANCE FOR GASEOUS EFFLUENTS

External Exposure

Pathway	Limit	Point	Doses (mrem/year)				
			RWB	TB	RB	Stack	Total
γ air dose	10 } <i>IB1</i>	Max. Exp. ¹	.083	.897	.046	.001	1.03
β air dose	20 } <i>IB1</i>	Max. Exp. ¹	.139	1.2	.079	.001	1.42
Total body	5 } <i>IB2a</i>	Residence ²	.097	.510	.214	.018	.838
Skin	15 } <i>IB2b</i>	Residence ²	.144	.783	.267	.021	1.22

Internal Exposure (thyroid)

Radioiodines & Particulates	15 } <i>IC</i>	Real Pathway ^{3,4,5}	.053	.322	.529	.082	.988
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Ingestion

	Infant					Child					Teen					Adult				
	RWB	TB	RB	Stack	Total	RWB	TB	RB	Stack	Total	RWB	TB	RB	Stack	Total	RWB	TB	RB	Stack	Total
Milk ³	.042	.254	.496	.030	.823	.017	.105	.206	.013	.341	.009	.053	.103	.006	.171	.006	.035	.068	.004	.113
Meat ⁴	0.0	0.0	0.0	0.0	0.0	.004	.019	.051	.001	.076	.003	.013	.034	.001	.050	.004	.019	.049	.001	.073
Veg. ⁵	0.0	0.0	0.0	0.0	0.0	.014	.083	.166	.010	.272	.009	.050	.101	.006	.166	.009	.056	.113	.007	.185
<u>Inhalation</u> ⁵	.003	.009	.010	0.0	.021	.004	.014	.016	0.0	.034	.002	.008	.009	0.0	.019	.002	.008	.010	0.0	.021
<u>External</u> ⁵	.008	.059	.023	.052	.144	.008	.059	.023	.052	.144	.008	.059	.023	.052	.144	.008	.059	.023	.052	.144
Total	.053	.233	.529	.082	.988	.047	.280	.462	.076	.867	.031	.183	.270	.065	.550	.029	.177	.263	.064	.536

1. Maximum exposure point is at 1,550 meters in the N sector (limiting land site boundary).
2. Nearest residence is at 1,740 meters in the N sector.
3. Limiting milk cow is at 4,880 meters in the S sector.
4. Doses calculated at the limiting land site boundary, N sector, 1,550 meters.
5. Doses calculated at the residence on the farm which has the limiting milk cow.

TABLE II.1.

BROWNS FERRY NUCLEAR PLANT
DATA ON MILK PRODUCED FOR DIRECT FLUID CONSUMPTION

	Sector	Distance	Elevation ¹	Consumer ²	FF ³	Dispersion Parameters (χ/Q 's)			Deposition Parameters (D/Q's)		
						TB(s/m ³)	RWB/RB(s/m ³)	Stack(s/m ³)	TB(s/m ³)	RWB/RB(s/m ³)	Stack(s/m ³)
<u>Cows</u>											
	N	7,650	19	A,T,C,I	0.0	2.4E-7	1.9E-7	1.6E-8	4.8E-10	3.7E-10	4.0E-10
	N	5,940	22	A,C,I	0.0	3.4E-7	2.6E-7	1.6E-8	7.5E-10	5.6E-10	6.0E-10
	NE	6,770	13	A	.33	8.1E-8	5.8E-8	1.1E-8	1.4E-10	1.2E-10	3.2E-10
	ENE	5,850	7	A,T,C	.17	1.1E-7	7.8E-8	9.0E-9	3.7E-10	2.6E-10	2.9E-10
	S	4,880	7	A,I	.19	4.6E-7	1.5E-7	7.3E-9	9.7E-10	5.1E-10	4.4E-10
	SSW	7,620	7	A,T,C	.19	2.9E-7	1.2E-7	9.6E-9	4.3E-10	2.5E-10	2.6E-10
	S	7,620	7	A,T,C	.19	2.6E-7	8.2E-8	8.0E-9	4.4E-10	2.4E-10	2.2E-10
<u>Goats</u>											
	S	10,670	7	A	.11	1.7E-7	5.3E-8	7.1E-9	2.4E-10	1.3E-10	1.2E-10
	SSW	10,670	7	A	.11	1.9E-7	7.8E-8	8.5E-9	2.3E-10	1.4E-10	1.5E-10
	S	17,700	0	A,T,C	.32	8.7E-8	2.8E-8	4.7E-9	9.5E-11	5.5E-11	5.2E-11

1. Elevation in meters with respect to plant grade.
2. Consumers classified as adults (A), teens (T), children (C), or infants (I).
3. Factor accounting for the fraction of animal feed obtained from fresh forage.

TABLE II.2

DATA ON POINTS OF INTEREST NEAR BROWNS FERRY

Distances (D), Elevations (E), Normalized Concentrations¹ (X/Q's) and Normalized Deposition Rates¹ (D/Q)

Sector	Site Boundary				Nearest Residence			
	D (m)	E (m)	X/Q (s/m ³)	D/Q (1/m ²)	D (m)	E (m)	X/Q (s/m ³)	D/Q (1/m ²)
N	1,550	+7	2.3E-6	8.2E-9	1,740	+1	1.9E-6	6.6E-9
NNE	1,400	+4	1.0E-6	3.0E-9	2,960	-2	3.4E-7	8.1E-10
NE	1,370	+7	8.0E-7	2.4E-9	3,140	+19	2.4E-7	5.6E-10
ENE	1,400	0	9.4E-7	4.7E-9	1,920	+13	5.8E-7	2.7E-9
E	1,570	0	8.1E-7	4.8E-9	4,390	+7	1.7E-7	7.8E-10
ESE	1,470	0	6.8E-7	4.9E-9	4,570	+7	1.3E-7	6.6E-10
SE	5,460	-6	1.1E-7	5.1E-10	8,050	+7	6.5E-8	2.6E-10
SSE	2,740	-6	7.1E-7	2.6E-9	7,130	-5	2.0E-7	4.8E-10
S	2,380	-6	1.2E-6	3.5E-9	4,330	+7	5.4E-7	1.2E-9
SSW	2,410	-6	1.3E-6	3.3E-9	4,050	-2	6.7E-7	1.3E-9
SW	2,160	-6	8.5E-7	2.0E-9	4,880	+13	2.8E-7	4.8E-10
WSW	3,120	-6	4.9E-7	8.4E-10	4,050	+1	3.5E-7	5.3E-10
W	2,350	-6	8.9E-7	1.9E-9	2,440	-5	8.4E-7	1.8E-9
WNW	3,120	-6	6.2E-7	1.9E-9	4,180	+7	4.1E-7	1.1E-9
NW	3,440	-6	1.3E-6	3.9E-9	4,020	-5	1.0E-6	2.9E-9
NNW	1,620	0	2.2E-6	6.9E-9	1,860	-5	1.8E-6	5.4E-9

1. For Turbine Building Effluents.

TABLE II.3

DATA ON POINTS OF INTEREST NEAR BROWNS FERRY

Distances (D), Elevations (E), Normalized Concentrations¹ (χ/Q 's) and Normalized Deposition Rates¹ (D/Q)

Sector	Site Boundary				Nearest Residence			
	D (m)	E (m)	χ/Q (s/m ³)	D/Q (1/m ²)	D (m)	E (m)	χ/Q (s/m ³)	D/Q (1/m ²)
N	1,550	+7	1.4E-6	5.6E-9	1,740	+1	1.2E-6	4.7E-9
NNE	1,400	+4	4.7E-7	2.1E-9	2,960	-2	2.2E-7	6.4E-10
NE	1,370	+7	2.9E-7	1.5E-9	3,140	+19	1.4E-7	4.5E-10
ENE	1,400	0	3.7E-7	2.7E-9	1,920	+13	2.8E-7	1.7E-9
E	1,570	0	3.4E-7	2.8E-9	4,390	+7	1.0E-7	5.1E-10
ESE	1,470	0	2.6E-7	2.9E-9	4,570	+7	7.8E-8	4.4E-10
SE	5,460	-6	8.6E-8	4.4E-10	8,050	+7	5.3E-8	2.2E-10
SSE	2,740	-6	2.8E-7	1.7E-9	7,130	-5	8.4E-8	3.1E-10
S	2,380	-6	3.6E-7	1.8E-9	4,330	+7	1.7E-7	6.3E-10
SSW	2,410	-6	5.1E-7	1.9E-9	4,050	-2	2.7E-7	7.7E-10
SW	2,160	-6	3.1E-7	1.1E-9	4,880	+13	1.1E-7	2.8E-10
WSW	3,120	-6	1.6E-7	3.3E-10	4,050	+1	1.2E-7	2.1E-10
W	2,350	-6	3.1E-7	7.6E-10	2,440	-5	3.0E-7	7.2E-10
KNW	3,120	-6	3.0E-7	1.1E-9	4,180	+7	2.1E-7	6.4E-10
NW	3,440	-6	6.6E-7	2.3E-9	4,020	-5	5.4E-7	1.7E-9
NNW	1,620	0	1.2E-6	4.1E-9	1,860	-5	1.1E-6	3.3E-9

1. For Radwaste and Reactor Building Effluents.

TABLE II.4

DATA ON POINTS OF INTEREST NEAR BROWNS FERRY

Distances (D), Elevations (E), Normalized Concentrations¹ (χ/Q 's) and Normalized Deposition Rates¹ (D/Q)

Sector	Site Boundary				Nearest Residence			
	D (m)	E (m)	χ/Q (s/m ³)	D/Q (1/m ²)	D (m)	E (m)	χ/Q (s/m ³)	D/Q (1/m ²)
N	1,550	+7	1.2E-10	2.0E-9	1,740	+1	3.0E-10	2.1E-9
NNE	1,400	+4	2.9E-11	1.7E-9	2,960	-2	4.3E-9	1.3E-9
NE	1,370	+7	2.1E-11	1.3E-9	3,140	+19	5.4E-9	9.1E-10
ENE	1,400	0	1.7E-11	9.2E-10	1,920	+13	4.8E-10	9.5E-10
E	1,570	0	6.1E-11	1.0E-9	4,390	+7	7.1E-9	4.5E-10
ESE	1,470	0	2.8E-11	9.3E-10	4,570	+7	6.6E-9	4.1E-10
SE	5,460	-6	1.1E-8	4.7E-10	8,050	+7	1.1E-8	2.5E-10
SSE	2,740	-6	2.5E-9	9.5E-10	7,130	-5	9.1E-9	2.7E-10
S	2,380	-6	1.2E-9	9.4E-10	4,330	+7	6.4E-9	5.1E-10
SSW	2,410	-6	1.6E-9	1.1E-9	4,050	-2	6.9E-9	6.7E-10
SW	2,160	-6	7.5E-10	1.0E-9	4,880	+13	7.4E-9	4.4E-10
WSW	3,120	-6	2.4E-9	4.8E-10	4,050	+1	4.2E-9	3.5E-10
W	2,350	-6	7.7E-10	4.9E-10	2,440	-5	9.0E-10	4.7E-10
WNW	3,120	-6	3.4E-9	6.6E-10	4,180	+7	6.4E-9	4.6E-10
NW	3,440	-6	9.9E-9	1.5E-9	4,020	-5	1.3E-8	1.2E-9
NNW	1,620	0	1.7E-10	2.3E-9	1,860	-5	6.0E-10	2.3E-9

1. For Stack Effluents.

Browns Ferry - Appendix I
Enclosure 2 responses

NRC Item 4

Provide a detailed description of the meteorological data, models, and parameters used to determine the χ/Q and D/Q values. Include information concerning the validity and accuracy of the models and assumptions for your site and the representativeness of the meteorological data used.

TVA Response

The atmospheric transport and diffusion model used for calculations of annual average relative concentrations (χ/Q) and relative depositions (D/Q) of radiological effluent from the Browns Ferry Nuclear Plant was the Straight-Line Airflow Model described in (draft) NRC Regulatory Guide 1.111, Regulatory Position 1.c. Pending the development of methods of selecting and applying the adjustment factors suggested by Regulatory Guide 1.111 to account for topographical effects, adjustment factors have not yet been applied to χ/Q , D/Q , or dose calculations. It should be noted that, for present critical pathway locations, application of the most conservative adjustment factors suggested by RG 1.111 results in radiation doses below the limits specified in Appendix I, 10 CFR 50. Regulatory Guide 1.111, Regulatory Position 2, "Source Configuration Considerations," was applied, as stated.

The meteorological data base applied to the model was that acquired at TVA's Browns Ferry meteorological facility during the period January 1, 1974 - December 31, 1975. The data acquired at the meteorological facility are considered reasonably representative of conditions affecting the plant. The meteorological tower and the plant are approximately equidistant from Wheeler Reservoir. The tower base is only about 30 feet above plant grade. Terrain relief in the area is slight, is similarly related to both the plant and the meteorological tower, and exerts little noticeable influence on wind directional distribution at the meteorological tower. A magnetic tape record of the hourly data, along with a tape format description, is being forwarded for NRC's use.

The meteorological parameters used as input to the model were:

- For releases from the 600-foot (183-meter) stack--wind direction and wind speed at 300 feet (Table 4-1). Neutral stability (class D) was assumed for the entire year.
- For releases from the ten vents atop the reactor containment building--300-foot wind speed was extrapolated to 150 feet, using the power law equation:

$$u/u_0 = (z/z_0)^{1/7}$$

The ratio of the mean exit velocity of the four vent types (15.4 mph) to the mean wind speed (extrapolated 150-foot) for each hour was used to determine the release assumption--elevated; ground level, or mixed mode. For assumed ground-level releases, including the assumed ground-level portion of mixed mode releases, 33-foot wind direction and speed, and

stability classification based on 33- to 150-foot vertical temperature gradient (ΔT) values were applied. For assumed elevated releases, including that portion of mixed mode releases assumed to be elevated, 300-foot wind direction, extrapolated 150-foot wind speed, and stability classification based on 150- to 300-foot ΔT values were applied. Thus, two separate sets of joint frequency distributions, totalling 100 percent of the observations, were developed. (Table 4-2.)

- For releases from the 27 covered vents atop the turbine building, ground-level release was assumed, and 33-foot wind direction and speed, and stability classification based on 33- to 150-foot ΔT values were applied (Table 4-3).

The Straight-Line Airflow Model is considered valid for application to effluent releases from the Browns Ferry Nuclear Plant because airflow trajectories are expected to be almost entirely controlled by synoptic-scale meteorology. Significant terrain influence on airflow trajectory is not expected within 30 miles of the plant. Between 30 and 50 miles, terrain influences may alter airflow trajectories significantly only in the eastern sectors where ridges and mountain peaks rise about 800 to 1,200 feet above the gently rolling terrain which surrounds the plant site. In the immediate proximity of the Browns Ferry Nuclear Plant (within 10 miles), terrain varies from about 555 feet mean sea level (msl) (mean water level in Wheeler Reservoir = 556 feet msl) to isolated hilltops above 725 feet msl. Plant grade is about 565 feet msl and the base of the meteorological tower is at 596 feet msl.

The selection of 150- to 300-foot ΔT as the basis for stability classification for assumed elevated releases from the reactor containment building rooftop vents is considered to be valid. This stability regime reasonably represents conditions into which the effluent is released and under which plume dispersion will occur.

The assumption of neutral stability conditions (class D) for the stack release is considered to be valid. Examination of rawinsonde data from TVA's Colbert Steam Plant indicates that ΔT -based stability at levels above 600 feet is usually neutral with occasional occurrence of stability class E ($-0.5^\circ \text{ C}/100 \text{ m}$ to $+1.5^\circ \text{ C}/100 \text{ m}$). Inversions at those heights, including those in stability class E, occur infrequently and are usually short-lived. Since, for an elevated plume, ground-level χ/Q calculations based on stability class D will be more conservative than for class E, the assumption is both reasonable and conservative.

Table 4-1

PERCENT OCCURRENCE OF WIND SPEED
 BY ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4=1-4	4-8=3-4	8-12=5-4	12-16=7-4	16-20=12-4	20-24=16-4	24-32=24-4	≥32-5	
N	0.02	0.23	0.29	0.46	1.71	1.96	0.51	0.02	5.20
NNE	0.03	0.24	0.38	0.56	2.06	2.36	0.60	0.07	6.30
NE	0.01	0.15	0.40	0.49	1.80	1.83	0.50	0.03	5.21
ENE	0.03	0.15	0.36	0.46	1.25	0.85	0.21	0.01	3.32
E	0.01	0.23	0.49	0.51	1.02	0.37	0.04	0.0	2.67
ESE	0.03	0.24	0.53	0.58	1.62	1.12	0.29	0.05	4.56
SE	0.04	0.56	1.19	1.33	3.63	2.74	1.39	0.56	11.44
SSE	0.06	0.64	0.99	1.22	3.11	2.66	1.24	0.67	10.61
S	0.03	0.48	0.83	1.04	2.74	2.69	1.08	0.74	9.63
SSW	0.03	0.40	0.63	0.56	2.17	2.71	1.42	0.50	8.42
SW	0.04	0.49	0.63	0.67	1.77	1.88	0.67	0.20	6.35
WSW	0.02	0.37	0.90	0.66	1.20	0.67	0.27	0.23	4.52
W	0.03	0.27	0.77	0.74	1.36	0.84	0.43	0.28	4.72
WNW	0.03	0.18	0.42	0.89	1.39	0.90	0.42	0.26	4.49
W	0.02	0.31	0.70	0.84	2.08	1.50	0.85	0.27	6.57
WNW	0.03	0.23	0.47	0.53	1.54	2.27	0.71	0.09	5.87
SUBTOTAL	0.48	5.27	9.98	11.54	30.45	27.55	10.63	3.98	99.88
CALM =	0.11								

16850 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 17520 TOTAL HOURS = 96.18 PERCENT

ALL COLUMNS ADD CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 WIND INSTRUMENT AT 300 FEET ABOVE GROUND

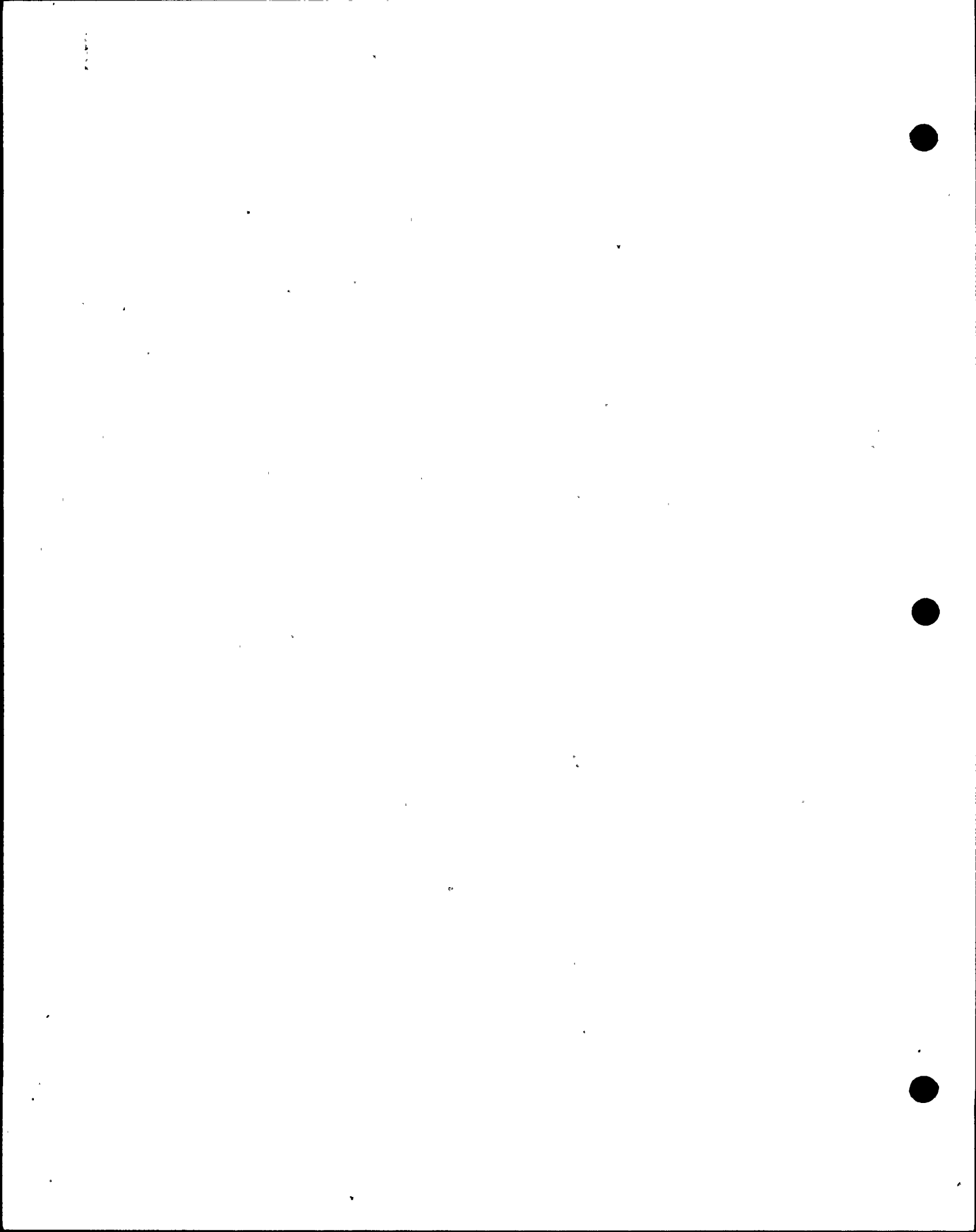


Table 4-2

WIND PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100 M

BROWNS FERRY NUCLEAR PLANT

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	CALM	WIND SPEED (MPH)								TOTAL	
		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		
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
NE	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
ESE	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.02
SE	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
SSE	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
S	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
SSW	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.02
SW	0.0	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.02
WSW	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.02
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUETOTAL	0.0	0.0	0.07	0.06	0.01	0.01	0.0	0.0	0.0	0.0	0.15

15.9 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 8844.1 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 1 OF 2 JFOS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY POWER LAW

Table 4-2

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS B

-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	CALM	WIND SPEED (MPH)								TOTAL	
		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		
N	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.02	0.01	0.02	0.01	0.0	0.0	0.0	0.0	0.06
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
SSW	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
SW	0.0	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.02
WSW	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
W	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.02
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.08	0.02	0.04	0.02	0.0	0.0	0.0	0.0	0.16

22.1 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 8844.1 VALID OBSERVATIONS
SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY-15.4 MPH

PART 1 OF 2 JFDS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY POWER LAW

Table 4-2

WIND PERCENTAGE FREQUENCIES BY WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
-1.7 < DELTA-T < -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)										TOTAL
	CALM	0.4=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		
N	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.02
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
SE	0.0	0.0	0.0	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.03
SSE	0.0	0.0	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.03
S	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.02
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.02	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.04
WSW	0.0	0.0	0.0	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.03
W	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.02
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.04	0.10	0.07	0.01	0.0	0.0	0.0	0.0	0.22

28.3 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 8644.1 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 1 OF 2 JFDS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 150 FEET ABOVE GROUND - EXTROPOLATED FROM 300 FEET BY POWER LAW

Table 4-2

PLANT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS D
 $-1.5 < \Delta T < -0.5$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

JAN 1, 74 - DEC 31, 75

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	0.0	0.0	0.04	0.16	0.24	0.58	0.08	0.0	0.0	1.10
NNE	0.001	0.01	0.13	0.24	0.34	0.77	0.07	0.0	0.0	1.56
NE	0.001	0.01	0.06	0.19	0.20	0.52	0.03	0.0	0.0	1.01
ENE	0.001	0.01	0.04	0.08	0.15	0.24	0.0	0.0	0.0	0.52
E	0.001	0.01	0.06	0.15	0.13	0.12	0.0	0.0	0.0	0.47
ESE	0.001	0.01	0.17	0.20	0.16	0.26	0.0	0.0	0.0	0.82
SE	0.001	0.01	0.33	0.53	0.52	0.92	0.08	0.0	0.0	2.39
SSE	0.001	0.01	0.39	0.44	0.32	0.62	0.06	0.0	0.0	1.86
S	0.0	0.0	0.27	0.26	0.29	0.60	0.05	0.0	0.0	1.47
SSW	0.001	0.01	0.16	0.16	0.16	0.45	0.07	0.0	0.0	1.01
SW	0.002	0.02	0.35	0.28	0.20	0.42	0.05	0.0	0.0	1.52
WSW	0.0	0.0	0.28	0.40	0.23	0.29	0.04	0.0	0.0	1.24
W	0.001	0.01	0.12	0.46	0.27	0.46	0.05	0.0	0.0	1.37
WNW	0.001	0.01	0.10	0.28	0.38	0.52	0.06	0.0	0.0	1.35
NW	0.0	0.0	0.18	0.49	0.39	0.95	0.08	0.0	0.0	2.09
NNW	0.001	0.01	0.07	0.20	0.22	0.62	0.13	0.0	0.0	1.25
SUBTOTAL	0.013	0.13	2.75	4.54	4.20	8.36	0.85	0.0	0.0	26.84

3352.2 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 8844.1 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 1 OF 2 JFDS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY POWER LAW

Table 4-2

WIND DIRECTION, VELOCITY, DIRECTION AND WIND SPEED
 BY DIFFERENT STABILITY CLASSES

STABILITY CLASS E
 $-0.5 \leq \Delta T \leq 1.5$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	CALM	WIND SPEED (MPH)								TOTAL
		0-6-12	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	
N	0.002	0.01	0.16	0.15	0.15	0.64	0.08	0.0	0.0	1.19
NNE	0.005	0.03	0.11	0.18	0.21	0.68	0.12	0.0	0.0	1.33
NE	0.0	0.0	0.10	0.23	0.19	0.78	0.10	0.0	0.0	1.36
ENE	0.0	0.0	0.11	0.20	0.20	0.53	0.06	0.0	0.0	1.10
E	0.002	0.01	0.20	0.26	0.20	0.44	0.02	0.0	0.0	1.13
ESE	0.003	0.02	0.19	0.25	0.30	0.73	0.07	0.0	0.0	1.56
SE	0.009	0.05	0.30	0.55	0.60	1.35	0.14	0.0	0.0	3.00
SSE	0.010	0.06	0.35	0.50	0.66	1.41	0.18	0.0	0.0	3.17
S	0.002	0.01	0.26	0.47	0.57	1.18	0.17	0.0	0.0	2.66
SSW	0.007	0.04	0.25	0.40	0.38	1.02	0.14	0.0	0.0	2.24
SW	0.003	0.02	0.19	0.26	0.28	0.67	0.09	0.0	0.0	1.51
WSW	0.003	0.02	0.18	0.29	0.24	0.48	0.04	0.0	0.0	1.25
W	0.007	0.04	0.15	0.26	0.24	0.47	0.02	0.0	0.0	1.19
WNW	0.005	0.03	0.10	0.21	0.44	0.40	0.03	0.0	0.0	1.21
NN	0.005	0.03	0.17	0.26	0.34	0.53	0.06	0.0	0.0	1.35
NNW	0.005	0.03	0.12	0.22	0.24	0.55	0.06	0.0	0.0	1.22
SUBTOTAL	0.068	0.40	2.94	4.69	5.24	11.84	1.38	0.0	0.0	29.56

4280.6 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 8844.1 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 1 OF 2 JFDS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY POWER LAW

Table 4-2

PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F

1.5K DELTA-TK=4.6 DEG C/100M

BRUNNS FERRY NUCLEAR PLANT

JAN. 1, 74 - DEC. 31, 75

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	0.0	0.0	0.05	0.03	0.03	0.05	0.01	0.0	0.0	0.17
NNE	0.0	0.0	0.02	0.02	0.03	0.12	0.02	0.0	0.0	0.21
NE	0.0	0.0	0.02	0.03	0.04	0.12	0.02	0.0	0.0	0.23
NNE	0.009	0.01	0.04	0.05	0.05	0.18	0.02	0.0	0.0	0.36
E	0.0	0.0	0.04	0.08	0.06	0.15	0.01	0.0	0.0	0.34
ESE	0.009	0.01	0.06	0.07	0.06	0.16	0.02	0.0	0.0	0.39
SE	0.0	0.0	0.04	0.09	0.13	0.39	0.05	0.0	0.0	0.70
SSE	0.009	0.01	0.05	0.04	0.09	0.27	0.03	0.0	0.0	0.50
S	0.009	0.01	0.04	0.07	0.16	0.26	0.02	0.0	0.0	0.57
SSW	0.009	0.01	0.05	0.03	0.05	0.23	0.05	0.0	0.0	0.43
SW	0.0	0.0	0.06	0.06	0.08	0.27	0.05	0.0	0.0	0.52
WSW	0.018	0.02	0.05	0.07	0.07	0.14	0.01	0.0	0.0	0.38
W	0.0	0.0	0.02	0.06	0.03	0.06	0.0	0.0	0.0	0.17
WNW	0.0	0.0	0.02	0.04	0.06	0.03	0.0	0.0	0.0	0.15
W	0.009	0.01	0.03	0.03	0.04	0.05	0.0	0.0	0.0	0.17
WNW	0.009	0.01	0.06	0.06	0.03	0.04	0.01	0.0	0.0	0.22
SUBTOTAL	0.081	0.09	0.65	0.83	1.01	2.52	0.32	0.0	0.0	5.50

889.7 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 8844.1 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 1 OF 2 JFOS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BRUNNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY POWER LAW

Table 4-2

PERCENTAGE OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS G
 $-1.25 \leq \Delta T \leq 1.0$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	CALM	WIND SPEED (MPH)									TOTAL
		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	>24.4		
N	0.0	0.01	0.01	0.0	0.01	0.02	0.0	0.0	0.0	0.0	0.05
NNE	0.0	0.0	0.01	0.01	0.01	0.05	0.01	0.0	0.0	0.0	0.09
NE	0.0	0.0	0.01	0.01	0.01	0.07	0.02	0.0	0.0	0.0	0.12
ENE	0.0	0.01	0.01	0.01	0.02	0.03	0.01	0.0	0.0	0.0	0.08
E	0.0	0.0	0.02	0.01	0.02	0.04	0.0	0.0	0.0	0.0	0.08
ESE	0.0	0.01	0.02	0.03	0.04	0.08	0.0	0.0	0.0	0.0	0.18
SE	0.0	0.0	0.04	0.04	0.04	0.09	0.01	0.0	0.0	0.0	0.22
SSE	0.0	0.01	0.02	0.02	0.02	0.11	0.0	0.0	0.0	0.0	0.18
S	0.0	0.01	0.01	0.02	0.02	0.05	0.01	0.0	0.0	0.0	0.12
SSW	0.0	0.0	0.02	0.02	0.03	0.05	0.01	0.0	0.0	0.0	0.13
SW	0.0	0.01	0.03	0.0	0.02	0.04	0.01	0.0	0.0	0.0	0.11
WSW	0.0	0.0	0.01	0.01	0.01	0.02	0.0	0.0	0.0	0.0	0.05
W	0.0	0.0	0.02	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.08
WNW	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.02
W	0.0	0.01	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.04
NNW	0.0	0.0	0.02	0.02	0.02	0.02	0.0	0.0	0.0	0.0	0.08
SUBTOTAL	0.0	0.08	0.26	0.24	0.30	0.67	0.08	0.0	0.0	0.0	1.63

255.3 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 8844.1 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 1 OF 2 JFOS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 150 FEET ABOVE GROUND - EXTROPULATED FROM 300 FEET BY POWER LAW

Table 4-2.

PERCENT OCCURRENCE OF WIND
 FROM ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	CALC	WIND SPEED (MPH)								TOTAL
		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	>24-4	
N	0:002	0:02	0:27	0:35	0:44	1:29	0:17	0:0	0:0	2:54
NNE	0:006	0:04	0:28	0:45	0:59	1:62	0:22	0:0	0:0	3:21
NE	0:001	0:01	0:20	0:47	0:44	1:47	0:17	0:0	0:0	2:71
ENE	0:010	0:03	0:20	0:34	0:42	0:98	0:09	0:0	0:0	2:51
E	0:003	0:02	0:32	0:51	0:41	0:75	0:03	0:0	0:0	2:04
ESE	0:013	0:05	0:45	0:55	0:58	1:25	0:09	0:0	0:0	2:95
SE	0:010	0:06	0:73	1:25	1:32	2:76	0:28	0:0	0:0	6:41
SSE	0:020	0:09	0:83	1:03	1:10	2:41	0:27	0:0	0:0	5:75
S	0:011	0:03	0:61	0:84	1:04	2:09	0:25	0:0	0:0	5:87
SSW	0:017	0:05	0:50	0:62	0:62	1:75	0:27	0:0	0:0	3:34
SW	0:005	0:05	0:65	0:63	0:58	1:43	0:20	0:0	0:0	3:54
WSW	0:021	0:04	0:54	0:80	0:56	0:93	0:09	0:0	0:0	2:92
W	0:008	0:02	0:31	0:80	0:58	0:99	0:07	0:0	0:0	2:81
WNW	0:006	0:05	0:22	0:54	0:88	0:95	0:09	0:0	0:0	2:74
NW	0:014	0:05	0:41	0:40	0:60	1:53	0:14	0:0	0:0	3:74
NNW	0:015	0:05	0:27	0:50	0:51	1:23	0:20	0:0	0:0	2:77
SUBTOTAL	0:162	0:70	6:79	10:48	10:27	23:43	2:63	0:0	0:0	50:06

84401 OBSERVATIONS AT THIS LEVEL OUT OF 16107 VALID OBSERVATIONS

16107 VALID OBSERVATIONS OUT OF 17520 TOTAL OBSERVATIONS = 91.93 PERCENT

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 1 OF 2 JFDS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

WIND DIRECTIONS AT 150 FEET ABOVE GROUND - EXTRAPOLATED FROM 300 FEET BY POWER LAW

Table 4-2

JOB: EFFLUENT CHARACTERISTICS, WIND DIRECTION AND WIND SPEED
EFFLUENT STABILITY CLASSES*

STABILITY CLASS A
DELTA T < = -1.0 DEG. C/100 M

BROWNS FERRY NUCLEAR PLANT

JAN. 1, 74 - DEC 31, 75

WIND DIRECTION	CALC	WIND SPEED (MPH)									TOTAL
		0.5-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>24.4		
N	0.0	0.0	0.0	0.02	0.04	0.12	0.04	0.0	0.0	0.0	0.22
NNE	0.0	0.0	0.0	0.02	0.05	0.15	0.04	0.0	0.0	0.0	0.26
NE	0.0	0.0	0.0	0.02	0.02	0.02	0.0	0.0	0.0	0.0	0.06
ENE	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.02
E	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
ESE	0.0	0.0	0.0	0.04	0.08	0.05	0.0	0.0	0.0	0.0	0.17
SE	0.0	0.0	0.02	0.29	0.20	0.09	0.0	0.0	0.0	0.0	0.40
SSE	0.0	0.0	0.02	0.22	0.05	0.02	0.0	0.0	0.0	0.0	0.31
S	0.0	0.0	0.01	0.18	0.12	0.02	0.0	0.0	0.0	0.0	0.33
SSW	0.0	0.0	0.0	0.04	0.01	0.01	0.0	0.0	0.0	0.0	0.06
SW	0.0	0.0	0.0	0.02	0.01	0.01	0.0	0.0	0.0	0.0	0.04
WSW	0.0	0.0	0.0	0.03	0.04	0.05	0.0	0.0	0.0	0.0	0.12
W	0.0	0.0	0.0	0.02	0.03	0.04	0.0	0.01	0.0	0.0	0.10
WNW	0.0	0.0	0.0	0.01	0.02	0.08	0.07	0.01	0.0	0.0	0.19
W	0.0	0.0	0.0	0.0	0.02	0.11	0.14	0.01	0.0	0.0	0.28
WNW	0.0	0.0	0.0	0.0	0.01	0.04	0.12	0.0	0.0	0.0	0.17
SUB-TOTAL	0.0	0.0	0.05	0.93	0.71	0.81	0.41	0.03	0.0	0.0	4.74

475.2 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 7262.9 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 2 OF 2 JFDS - 50% OF THE 100 PERCENT OF VALID OBSERVATIONS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 33 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Table 4-2

STABILITY CLASS B OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS B
 $-1.9 < \Delta T < -1.7 \text{ DEG. C/100M}$

BROWNS FERRY NUCLEAR PLANT

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	CALC	WIND SPEED (MPH)									TOTAL
		0-4=1-4	5-9=3-4	10-14=5-4	15-20=7-4	21-24=12-4	25-30=14-4	31-36=24-4	>36=5	TOTAL	
N	0.0	0.0	0.0	0.03	0.03	0.14	0.02	0.0	0.0	0.0	0.22
NNE	0.0	0.0	0.0	0.02	0.03	0.07	0.01	0.0	0.0	0.0	0.13
NE	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.02
NENE	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
E	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
ESE	0.0	0.0	0.0	0.01	0.02	0.01	0.0	0.0	0.0	0.0	0.04
SE	0.0	0.0	0.03	0.11	0.07	0.04	0.0	0.0	0.0	0.0	0.25
SSE	0.0	0.0	0.01	0.07	0.01	0.01	0.0	0.0	0.0	0.0	0.10
S	0.0	0.0	0.01	0.08	0.05	0.01	0.0	0.0	0.0	0.0	0.15
SSW	0.0	0.0	0.0	0.02	0.03	0.0	0.0	0.0	0.0	0.0	0.05
SW	0.0	0.0	0.01	0.02	0.01	0.01	0.0	0.0	0.0	0.0	0.05
WSW	0.0	0.0	0.0	0.05	0.03	0.08	0.01	0.0	0.0	0.0	0.19
W	0.0	0.0	0.0	0.03	0.04	0.06	0.02	0.01	0.0	0.0	0.16
WNW	0.0	0.0	0.0	0.01	0.03	0.17	0.09	0.02	0.0	0.0	0.32
W	0.0	0.0	0.0	0.01	0.03	0.20	0.10	0.01	0.0	0.0	0.35
WNW	0.0	0.0	0.0	0.0	0.02	0.20	0.11	0.01	0.0	0.0	0.34
SUBTOTAL	0.0	0.0	0.06	0.49	0.42	1.00	0.36	0.05	0.0	0.0	2.38

387.8 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 7262.9 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 2 OF 2 JFDS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 33 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND VELOCITY FREQUENCY DISTRIBUTION BY DIRECTION AND VELOCITY
 FOR STABILITY CLASS C

STABILITY CLASS C
 $-1.7 < \Delta T < -1.5 \text{ DEG. C/100M}$

BROWNS FERRY NUCLEAR PLANT

JAN. 1, 74 - DEC 31, 75

WIND DIRECTION	CALC	WIND SPEED (MPH)									TOTAL
		0.6-1.4	1.5-3.4	3.4-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5		
N	0.0	0.0	0.0	0.01	0.02	0.10	0.04	0.0	0.0	0.17	
NNE	0.0	0.0	0.0	0.01	0.02	0.04	0.02	0.0	0.0	0.09	
NE	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	
ENE	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	
E	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	
ESE	0.0	0.0	0.0	0.02	0.04	0.01	0.0	0.0	0.0	0.07	
SE	0.0	0.0	0.02	0.05	0.04	0.02	0.0	0.0	0.0	0.14	
SSE	0.0	0.0	0.01	0.03	0.01	0.0	0.0	0.0	0.0	0.05	
S	0.0	0.0	0.01	0.06	0.01	0.0	0.0	0.0	0.0	0.08	
SSW	0.0	0.0	0.0	0.02	0.01	0.0	0.0	0.0	0.0	0.03	
SW	0.0	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.02	
WSW	0.0	0.0	0.0	0.02	0.03	0.02	0.0	0.0	0.0	0.07	
W	0.0	0.0	0.0	0.03	0.02	0.07	0.06	0.0	0.0	0.18	
WNW	0.0	0.0	0.0	0.01	0.02	0.05	0.06	0.04	0.0	0.20	
W	0.0	0.0	0.0	0.01	0.01	0.12	0.08	0.01	0.0	0.24	
WNW	0.0	0.0	0.0	0.01	0.02	0.18	0.16	0.01	0.0	0.38	
SUM TOTAL	0.0	0.0	0.04	0.33	0.25	0.62	0.44	0.06	0.0	1.74	

280.5 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 7262.9 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 2 OF 2 JFDS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 33 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Table 4-2

WIND SPEED FREQUENCIES BY WIND DIRECTION AND WIND SPEED
 AND STABILITY CLASSES

STABILITY CLASS D

-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

JAN. 1, 74 - DEC. 31, 75

DIRECTION	CALC	WIND SPEED (MPH)									TOTAL
		0.0-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-16.4	16.5-24.4	>=24.5		
N	0.0	0.0	0.02	0.07	0.13	0.63	0.12	0.0	0.0	0.97	
NNE	0.0	0.0	0.05	0.13	0.15	0.27	0.02	0.0	0.0	0.62	
NE	0.0	0.0	0.06	0.08	0.07	0.06	0.01	0.0	0.0	0.28	
ENE	0.0	0.0	0.05	0.07	0.02	0.03	0.0	0.0	0.0	0.17	
E	0.0	0.0	0.03	0.08	0.02	0.02	0.0	0.0	0.0	0.15	
ESE	0.0	0.0	0.06	0.24	0.31	0.27	0.0	0.0	0.0	0.88	
SE	0.0	0.0	0.18	0.58	0.54	0.35	0.03	0.0	0.0	1.68	
SSE	0.0	0.0	0.11	0.22	0.11	0.04	0.0	0.0	0.0	0.48	
S	0.0	0.0	0.13	0.43	0.18	0.02	0.0	0.0	0.0	0.76	
SSW	0.0	0.0	0.05	0.14	0.07	0.01	0.0	0.0	0.0	0.27	
SW	0.0	0.0	0.04	0.06	0.03	0.0	0.0	0.0	0.0	0.13	
WSW	0.0	0.0	0.09	0.19	0.19	0.23	0.12	0.0	0.0	0.82	
W	0.0	0.0	0.05	0.21	0.22	0.52	0.14	0.0	0.0	1.14	
WNW	0.0	0.0	0.01	0.06	0.10	0.44	0.35	0.05	0.01	1.02	
W	0.0	0.0	0.01	0.03	0.08	0.60	0.38	0.03	0.01	1.14	
WW	0.0	0.0	0.02	0.05	0.09	0.90	0.47	0.01	0.0	1.54	
SUBTOTAL	0.0	0.0	0.96	2.64	2.31	4.39	1.64	0.09	0.02	12.05	

1946.0 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 7262.9 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 2 OF 2 JFDS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 33 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Table 4-2

WIND DIRECTION, WIND VELOCITY, WIND DIRECTION AND WIND SPEED
 FOR STABILITY CLASSES

STABILITY CLASS E
 $-0.5 < \Delta T < 1.5$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	CALC	WIND SPEED (MPH)								TOTAL
		0-6=1-4	1-5=3-4	3-5=5-4	5-5=7-4	7-5=12-6	12-5=18-4	18-5=24-4	>=24-5	
N	0.0	0.01	0.13	0.21	0.24	0.24	0.01	0.0	0.0	0.14
NNE	0.0	0.01	0.21	0.28	0.21	0.13	0.01	0.0	0.0	0.25
NE	0.0	0.01	0.12	0.34	0.09	0.05	0.0	0.0	0.0	0.61
ENE	0.0	0.03	0.15	0.08	0.02	0.0	0.0	0.0	0.0	0.27
E	0.0	0.01	0.20	0.26	0.06	0.02	0.0	0.0	0.0	0.55
ESE	0.0	0.0	0.20	0.28	0.47	0.17	0.0	0.0	0.0	1.22
SE	0.001	0.05	0.61	1.15	0.98	0.53	0.0	0.0	0.0	3.55
SSE	0.001	0.07	0.39	0.45	0.22	0.09	0.0	0.0	0.0	1.22
S	0.001	0.06	0.39	0.73	0.63	0.24	0.0	0.0	0.0	2.05
SSW	0.0	0.04	0.18	0.25	0.17	0.08	0.01	0.0	0.0	0.73
SW	0.0	0.02	0.12	0.10	0.04	0.01	0.0	0.0	0.0	0.29
WSW	0.0	0.01	0.11	0.17	0.12	0.11	0.02	0.0	0.0	0.56
W	0.0	0.0	0.12	0.21	0.17	0.15	0.04	0.0	0.0	0.64
WNW	0.0	0.01	0.03	0.04	0.07	0.13	0.06	0.0	0.0	0.36
NW	0.0	0.01	0.04	0.06	0.04	0.23	0.09	0.0	0.0	0.47
NNW	0.0	0.01	0.11	0.20	0.25	0.29	0.04	0.0	0.0	0.90
SUBTOTAL	0.003	0.35	3.11	5.24	3.78	2.47	0.28	0.0	0.0	15.23

2450.9 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 7262.9 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 2 OF 2 JFDS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 33 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Table 4-2

PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
 $1.5 < \Delta T \leq 4.0$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

JAN 1, 74 - DEC 31, 75

WIND DIRECTIONS	CALC	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	>24.4	TOTAL	
N	0.0	0.01	0.13	0.26	0.10	0.02	0.0	0.0	0.0	0.0	0.52
NNE	0.0	0.04	0.32	0.33	0.10	0.0	0.0	0.0	0.0	0.0	0.79
NE	0.0	0.02	0.17	0.12	0.02	0.0	0.0	0.0	0.0	0.0	0.33
ENE	0.0	0.04	0.14	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.22
E	0.0	0.03	0.20	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.43
ESE	0.0	0.02	0.22	0.18	0.03	0.0	0.0	0.0	0.0	0.0	0.45
SE	0.001	0.07	0.50	0.50	0.23	0.06	0.0	0.0	0.0	0.0	1.39
SSE	0.001	0.07	0.32	0.25	0.16	0.11	0.0	0.0	0.0	0.0	0.91
S	0.0	0.04	0.29	0.41	0.30	0.20	0.0	0.0	0.0	0.0	1.24
SSW	0.0	0.02	0.06	0.07	0.01	0.0	0.0	0.0	0.0	0.0	0.16
SW	0.0	0.02	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.06
WSW	0.0	0.01	0.03	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.06
W	0.0	0.01	0.01	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.05
WNW	0.0	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.04
NW	0.0	0.01	0.03	0.06	0.01	0.0	0.01	0.0	0.0	0.0	0.12
NNW	0.0	0.01	0.10	0.19	0.09	0.01	0.0	0.0	0.0	0.0	0.40
SUBTOTAL	0.002	0.42	2.57	2.66	1.07	0.43	0.01	0.0	0.0	0.0	7.16

1149.6 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 7262.9 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY-15.4 MPH

PAGE 2 OF 2, JFDS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 33 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Table 4-2

STABILITY CLASS G
 -1.9 < (LTA-T) < A DEG. C/100M

BROWNS FERRY NUCLEAR PLANT

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	CALC	WIND SPEED (MPH)								TOTAL
		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	>24.4	
N	0.0	0.02	0.17	0.11	0.02	0.0	0.0	0.0	0.0	0.32
NNE	0.0	0.02	0.38	0.03	0.01	0.0	0.0	0.0	0.0	0.44
NE	0.0	0.03	0.06	0.02	0.0	0.0	0.0	0.0	0.0	0.11
ENE	0.0	0.02	0.07	0.01	0.0	0.0	0.0	0.0	0.0	0.12
E	0.0	0.02	0.14	0.06	0.0	0.0	0.0	0.0	0.0	0.22
ESE	0.0	0.01	0.13	0.01	0.0	0.0	0.0	0.0	0.0	0.15
SE	0.0	0.06	0.34	0.09	0.03	0.01	0.0	0.0	0.0	0.53
SSE	0.0	0.06	0.45	0.13	0.04	0.02	0.0	0.0	0.0	0.70
S	0.0	0.04	0.42	0.13	0.06	0.0	0.0	0.0	0.0	0.65
SSW	0.0	0.01	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.04
SW	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
WSW	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.02
W	0.0	0.01	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.04
WSW	0.0	0.02	0.09	0.04	0.04	0.0	0.0	0.0	0.0	0.19
SUBTOTAL	0.0	0.34	2.33	0.68	0.20	0.03	0.0	0.0	0.0	3.58

573.0 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 7262.9 VALID OBSERVATIONS

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 2 OF 2 JFDS - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED 0.72 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 33 AND 150 FEET ABOVE GROUND

WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Table 4-2

EFFLUENT VELOCITY OF JFD
 20 EQUAL WIND DIRECTIONS
 BROWN'S FERRY NUCLEAR PLANT

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	CALC	WIND SPEED (MPH)									T-TL
		0-6-12	1-5-3	3-5-5	5-5-7	7-5-12	12-5-18	18-5-24	>24		
N	0.0	0.04	0.45	0.71	0.58	1.25	0.23	0.0	0.0	3.24	
NNE	0.0	0.07	0.46	0.87	0.57	0.66	0.10	0.0	0.0	3.23	
NE	0.0	0.06	0.41	0.60	0.21	0.13	0.01	0.0	0.0	1.42	
NENE	0.0	0.09	0.41	0.23	0.05	0.03	0.0	0.0	0.0	0.01	
E	0.0	0.06	0.57	0.62	0.09	0.04	0.0	0.0	0.0	1.36	
ESE	0.0	0.03	0.61	1.18	0.95	0.51	0.0	0.0	0.0	3.28	
SE	0.002	0.18	1.70	2.81	2.09	1.12	0.03	0.0	0.0	7.43	
SSE	0.002	0.20	1.31	1.37	0.60	0.29	0.0	0.0	0.0	3.77	
S	0.001	0.14	1.26	2.02	1.35	0.49	0.0	0.0	0.0	3.26	
SSW	0.0	0.07	0.32	0.54	0.30	0.10	0.01	0.0	0.0	1.37	
SW	0.0	0.04	0.21	0.22	0.09	0.04	0.0	0.0	0.0	0.60	
WSW	0.0	0.03	0.23	0.47	0.42	0.50	0.15	0.0	0.0	1.80	
W	0.0	0.01	0.18	0.52	0.49	0.84	0.26	0.02	0.0	2.52	
WNW	0.0	0.02	0.07	0.15	0.24	0.87	0.65	0.12	0.01	2.13	
NW	0.0	0.03	0.11	0.17	0.19	1.26	0.80	0.06	0.01	2.63	
NNW	0.0	0.04	0.32	0.49	0.52	1.62	0.90	0.63	0.0	3.92	
SUBTOTAL	0.005	1.11	9.12	12.97	8.74	9.75	3.14	0.23	0.02	45.08	

7262.0% OBSERVATIONS AT THIS LEVEL OUT OF 16107 VALID OBSERVATIONS

16107 VALID OBSERVATIONS OUT OF 17520 TOTAL OBSERVATIONS = 91.93 PERCENT

SPLIT-RELEASE JFD - EFFLUENT EXIT VELOCITY=15.4 MPH

PART 2 OF 2 JFDS. - SUM OF THE TWO TOTAL 100 PERCENT OF VALID OBSERVATIONS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWN'S FERRY NUCLEAR PLANT

WIND INSTRUMENTS AT 53 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6=1.4	7-12=3.4	13-18=5.4	19-24=7.4	25-30=12.4	31-36=18.4	37-42=24.4	≥24.5	
N	0.0	0.0	0.11	0.17	0.20	0.04	0.0	0.0	0.52
NNE	0.0	0.04	0.13	0.15	0.25	0.04	0.0	0.0	0.61
NE	0.0	0.04	0.10	0.07	0.02	0.0	0.0	0.0	0.23
ENE	0.0	0.01	0.04	0.02	0.0	0.0	0.0	0.0	0.07
E	0.0	0.01	0.03	0.02	0.0	0.0	0.0	0.0	0.06
ESE	0.0	0.05	0.19	0.14	0.05	0.0	0.0	0.0	0.43
SE	0.0	0.26	1.35	0.38	0.10	0.0	0.0	0.0	2.09
SSE	0.0	0.23	0.80	0.09	0.02	0.0	0.0	0.0	1.14
S	0.01	0.15	0.50	0.12	0.02	0.0	0.0	0.0	0.80
SSW	0.0	0.02	0.07	0.01	0.01	0.0	0.0	0.0	0.11
SW	0.0	0.02	0.10	0.01	0.01	0.0	0.0	0.0	0.14
WSW	0.0	0.02	0.13	0.09	0.05	0.0	0.0	0.0	0.29
W	0.0	0.01	0.06	0.06	0.04	0.0	0.01	0.0	0.18
WNW	0.0	0.02	0.06	0.12	0.18	0.07	0.01	0.0	0.46
NW	0.0	0.0	0.02	0.12	0.26	0.14	0.01	0.0	0.55
NNW	0.0	0.0	0.02	0.03	0.09	0.12	0.0	0.0	0.26
SUBTOTAL	0.01	0.28	3.71	1.60	1.30	0.41	0.03	0.0	7.94

CALM = 0.01

1337 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 16550 VALID TEMPERATURE DIFFERENCE READINGS

1296 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1337 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Table 4-3

WIND PERCENTAGE FREQUENCIES BY WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS B
 $-1.9 < \Delta T < -1.7$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)									
	0-4=1.4	4.5-9.4	9.5-14.4	14.5-19.4	19.5-24.4	24.5-29.4	29.5-34.4	34.5-39.4	≥40.5	TOTAL
N	0.0	0.03	0.15	0.11	0.23	0.02	0.0	0.0	0.0	0.54
NNE	0.0	0.06	0.12	0.12	0.16	0.01	0.0	0.0	0.0	0.47
NE	0.0	0.03	0.07	0.06	0.01	0.0	0.0	0.0	0.0	0.17
ENE	0.0	0.02	0.04	0.01	0.01	0.0	0.0	0.0	0.0	0.08
E	0.0	0.03	0.02	0.03	0.0	0.0	0.0	0.0	0.0	0.08
ESE	0.0	0.07	0.06	0.04	0.01	0.0	0.0	0.0	0.0	0.18
SE	0.0	0.35	0.53	0.08	0.04	0.0	0.0	0.0	0.0	1.00
SSE	0.01	0.26	0.23	0.02	0.01	0.0	0.0	0.0	0.0	0.53
S	0.0	0.13	0.31	0.65	0.01	0.0	0.0	0.0	0.0	0.50
SSW	0.0	0.04	0.07	0.03	0.0	0.0	0.0	0.0	0.0	0.14
SW	0.0	0.07	0.11	0.01	0.01	0.0	0.0	0.0	0.0	0.20
WSW	0.0	0.04	0.24	0.07	0.09	0.01	0.0	0.0	0.0	0.45
W	0.0	0.01	0.12	0.12	0.09	0.02	0.01	0.0	0.0	0.37
WNW	0.0	0.02	0.13	0.20	0.33	0.09	0.02	0.0	0.0	0.79
NW	0.0	0.01	0.11	0.15	0.40	0.10	0.01	0.0	0.0	0.78
NNW	0.0	0.01	0.03	0.12	0.34	0.11	0.01	0.0	0.0	0.62
SUBTOTAL	0.01	1.18	2.34	1.22	1.74	0.36	0.05	0.0	0.0	6.90

CALM = 0.0

1147 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 16559 VALID TEMPERATURE DIFFERENCE READINGS

1119 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1147 STABILITY CLASS B OCCURRENCES

ALL COLUMNS ADD CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C

-1.75 DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN. 1, 74 - DEC. 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.02	0.08	0.09	0.17	0.04	0.0	0.0	0.40
NNE	0.0	0.04	0.07	0.06	0.07	0.02	0.0	0.0	0.26
NE	0.0	0.03	0.04	0.01	0.0	0.0	0.0	0.0	0.08
ENE	0.0	0.01	0.03	0.01	0.0	0.0	0.0	0.0	0.05
E	0.0	0.01	0.04	0.01	0.0	0.0	0.0	0.0	0.06
ESE	0.0	0.04	0.10	0.06	0.01	0.0	0.0	0.0	0.21
SE	0.0	0.28	0.21	0.05	0.02	0.0	0.0	0.0	0.56
SSE	0.0	0.21	0.12	0.01	0.0	0.0	0.0	0.0	0.34
S	0.0	0.15	0.12	0.01	0.0	0.0	0.0	0.0	0.28
SSW	0.0	0.02	0.04	0.01	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.02	0.07	0.0	0.01	0.0	0.0	0.0	0.10
WSW	0.0	0.02	0.10	0.06	0.02	0.0	0.0	0.0	0.20
W	0.0	0.0	0.14	0.09	0.07	0.06	0.0	0.0	0.36
WNW	0.0	0.05	0.11	0.13	0.12	0.08	0.04	0.0	0.53
NW	0.0	0.01	0.09	0.07	0.23	0.08	0.01	0.0	0.49
NNW	0.0	0.02	0.06	0.10	0.27	0.15	0.01	0.0	0.61
SUBTOTAL	0.0	0.93	1.42	0.77	0.99	0.43	0.06	0.0	4.60

CALM = 0.0

757 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 16559 VALID TEMPERATURE DIFFERENCE READINGS

739 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 757 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Table 4-3

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D

-1.5< DELTA-T<= -0.5 DEG. C/100M.

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0:04	0:31	0:41	0:53	0:69	0:12	0:0	0:0	2:30
NNE	0:01	0:42	0:48	0:38	0:35	0:02	0:0	0:0	1:66
NE	0:01	0:40	0:30	0:12	0:06	0:01	0:0	0:0	0:90
ENE	0:02	0:36	0:22	0:02	0:03	0:0	0:0	0:0	0:65
E	0:02	0:23	0:22	0:04	0:02	0:0	0:0	0:0	0:53
ESE	0:01	0:51	0:74	0:36	0:28	0:0	0:0	0:0	1:90
SE	0:05	1:44	1:45	0:58	0:35	0:03	0:0	0:0	3:90
SSE	0:01	0:97	0:54	0:13	0:04	0:0	0:0	0:0	1:69
S	0:01	1:06	0:75	0:18	0:02	0:0	0:0	0:0	2:02
SSW	0:01	0:33	0:23	0:07	0:01	0:0	0:0	0:0	0:65
SW	0:02	0:33	0:23	0:03	0:01	0:0	0:0	0:0	0:62
WSW	0:01	0:54	0:64	0:27	0:23	0:12	0:0	0:0	1:81
W	0:0	0:35	0:88	0:56	0:57	0:15	0:0	0:0	2:51
WNW	0:0	0:18	0:42	0:42	0:62	0:36	0:05	0:01	2:06
NW	0:01	0:10	0:24	0:01	0:85	0:46	0:03	0:01	2:04
NNW	0:01	0:26	0:36	0:36	1:26	0:50	0:01	0:0	2:76
SUBTOTAL	0.24	7.79	8.11	4.45	5.59	1.71	0.09	0.02	28.00

CALM = 0.01

4648 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 16559 VALID TEMPERATURE DIFFERENCE READINGS

4564 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 4648 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E

-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN. 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.06	0.55	0.52	0.37	0.26	0.01	0.0	0.0	1.77
NNE	0.10	0.77	0.50	0.26	0.13	0.01	0.0	0.0	1.77
NE	0.07	0.47	0.45	0.10	0.05	0.0	0.0	0.0	1.14
ENE	0.10	0.58	0.15	0.02	0.0	0.0	0.0	0.0	0.85
E	0.03	0.74	0.44	0.08	0.02	0.0	0.0	0.0	1.31
ESE	0.04	0.97	1.09	0.48	0.17	0.0	0.0	0.0	2.75
SE	0.23	2.31	1.87	1.01	0.53	0.0	0.0	0.0	5.95
SSE	0.22	1.08	0.56	0.21	0.09	0.0	0.0	0.0	2.16
S	0.14	0.94	0.84	0.63	0.23	0.0	0.0	0.0	2.78
SSW	0.17	0.58	0.28	0.18	0.08	0.01	0.0	0.0	1.30
SW	0.10	0.45	0.12	0.04	0.01	0.0	0.0	0.0	0.72
WSW	0.04	0.56	0.34	0.12	0.11	0.02	0.0	0.0	1.19
W	0.02	0.56	0.65	0.25	0.15	0.04	0.0	0.0	1.67
WNW	0.04	0.15	0.16	0.13	0.13	0.06	0.0	0.0	0.67
NW	0.05	0.15	0.21	0.09	0.26	0.09	0.0	0.0	0.85
NNW	0.08	0.50	0.56	0.39	0.31	0.04	0.0	0.0	1.88
SUBTOTAL	1.49	11.36	8.74	4.36	2.53	0.28	0.0	0.0	28.76

CALM = 0.06

4764 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 16559 VALID TEMPERATURE DIFFERENCE READINGS

4760 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 4764 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Table 4-3

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F

1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-2-4	3-5-7	8-10-12	13-15-17	18-20-22	23-25-27	28-30-32	33-35	
N	0:10	0:45	0:34	0:12	0:02	0:0	0:0	0:0	1:03
NNE	0:12	0:85	0:36	0:10	0:0	0:0	0:0	0:0	1:43
NE	0:10	0:51	0:15	0:02	0:0	0:0	0:0	0:0	0:78
ENE	0:09	0:60	0:06	0:0	0:0	0:0	0:0	0:0	0:75
E	0:06	0:93	0:36	0:0	0:0	0:0	0:0	0:0	1:35
ESE	0:07	0:72	0:28	0:04	0:0	0:0	0:0	0:0	1:11
SE	0:25	1:34	0:61	0:23	0:08	0:0	0:0	0:0	2:51
SSE	0:14	0:59	0:25	0:15	0:10	0:0	0:0	0:0	1:23
S	0:09	0:50	0:43	0:30	0:20	0:0	0:0	0:0	1:52
SSW	0:06	0:16	0:07	0:01	0:0	0:0	0:0	0:0	0:30
SW	0:04	0:15	0:01	0:0	0:0	0:0	0:0	0:0	0:20
WSW	0:05	0:10	0:0	0:01	0:01	0:0	0:0	0:0	0:17
W	0:04	0:09	0:02	0:01	0:0	0:0	0:0	0:0	0:16
WNW	0:02	0:13	0:03	0:01	0:0	0:0	0:0	0:0	0:19
NW	0:04	0:12	0:10	0:01	0:0	0:01	0:0	0:0	0:28
NNW	0:08	0:33	0:34	0:11	0:01	0:0	0:0	0:0	0:87
SUBTOTAL	1:35	7:57	3:41	1:12	0:42	0:01	0:0	0:0	13:88

CALC F 0:07

2286 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 16559 VALID TEMPERATURE DIFFERENCE READINGS

2267 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 2286 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	0.29	0.93	0.17	0.04	0.0	0.0	0.0	0.0	1.43
NNE	0.20	1.28	0.10	0.02	0.0	0.0	0.0	0.0	1.60
NE	0.14	0.44	0.02	0.0	0.0	0.0	0.0	0.0	0.60
NNE	0.09	0.52	0.02	0.0	0.0	0.0	0.0	0.0	0.63
E	0.07	0.66	0.15	0.0	0.0	0.0	0.0	0.0	0.88
ESE	0.04	0.35	0.01	0.0	0.0	0.0	0.0	0.0	0.40
SE	0.15	0.74	0.09	0.03	0.01	0.0	0.0	0.0	1.02
SSE	0.19	0.61	0.13	0.04	0.02	0.0	0.0	0.0	0.99
S	0.14	0.54	0.14	0.06	0.0	0.0	0.0	0.0	0.88
SSW	0.07	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.13
SW	0.06	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.11
WSW	0.04	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.08
W	0.01	0.04	0.01	0.0	0.0	0.0	0.0	0.0	0.06
WNW	0.07	0.06	0.01	0.0	0.0	0.0	0.0	0.0	0.14
NW	0.07	0.09	0.01	0.0	0.0	0.0	0.0	0.0	0.17
NNW	0.18	0.36	0.10	0.04	0.0	0.0	0.0	0.0	0.68
SUBTOTAL	1.81	6.77	0.96	0.23	0.03	0.0	0.0	0.0	9.80

CALM = 0.09

1620 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 16559 VALID TEMPERATURE DIFFERENCE READINGS

1612 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1620 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Table 4-3

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6-1-6	1-5-3-6	3-5-5-6	5-5-7-6	7-5-12-6	12-5-18-6	18-5-24-6	≥24-5	
N	0.46	2.31	1.84	1.45	1.87	0.22	0.0	0.0	8.17
NNE	0.43	3.43	1.79	1.08	1.03	0.10	0.0	0.0	7.86
NE	0.33	1.93	1.15	0.41	0.14	0.01	0.0	0.0	3.97
ENE	0.29	2.09	0.57	0.08	0.04	0.0	0.0	0.0	3.07
E	0.17	2.58	1.29	0.18	0.04	0.0	0.0	0.0	4.26
ESE	0.17	2.70	2.45	1.09	0.51	0.0	0.0	0.0	6.92
SE	0.66	6.60	6.05	2.32	1.09	0.03	0.0	0.0	16.75
SSE	0.56	3.93	2.64	0.65	0.28	0.0	0.0	0.0	8.06
S	0.36	3.49	3.02	1.34	0.48	0.0	0.0	0.0	8.78
SSW	0.30	1.20	0.74	0.30	0.10	0.01	0.0	0.0	2.65
SW	0.22	1.07	0.65	0.08	0.04	0.0	0.0	0.0	2.06
WSW	0.14	1.32	1.44	0.61	0.50	0.14	0.0	0.0	4.15
W	0.07	1.05	1.86	1.14	0.91	0.26	0.01	0.0	5.32
WNW	0.13	0.62	0.91	1.02	1.39	0.66	0.13	0.01	4.67
WW	0.17	0.47	0.80	0.36	2.00	0.80	0.05	0.01	5.16
WNW	0.35	1.49	1.48	1.16	2.37	0.90	0.02	0.0	7.77
SUBTOTAL	4.65	36.28	28.77	13.77	12.79	3.13	0.21	0.02	99.82
CALC =	0.22								

*16724 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 17520 TOTAL HOURS = 95.46 PERCENT

*ALL COL. HRS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Browns Ferry - Appendix I
Enclosure 2 responses

NRC Item 5

If an onsite program commensurate with the recommendations and intent of Regulatory Guide 1.23 exists:

- (a) Provide representative annual and monthly, if available, joint frequency distributions of wind speed and direction by atmospheric stability class covering at least the most recent 1-year period of record, preferably two or more years of record. Wind speed and direction should be measured at levels applicable to release point elevations and stability should be determined from the vertical temperature gradient between measurement levels that represent conditions into which the effluent is released.
- (b) Describe the representativeness of the available data with respect to expected long-term conditions at the site.

TVA Response

- (a) The Browns Ferry meteorological facility complies with the recommendations and intent of Regulatory Guide 1.23 in all respects. However, prior to April 1976, wind instrumentation at 150 feet, the approximate height of effluent releases from the reactor containment building rooftop vents, was not installed. The following joint frequency distributions of wind direction, wind speed, and stability class are provided:

<u>Table No.</u>	<u>Wind Level</u>	<u>Basis for Stability</u>
5-1	33 Feet	150- to 33-Foot ΔT
5-2	33 Feet	300- to 33-Foot ΔT
5-3	300 Feet	300- to 33-Foot ΔT
5-4	300 Feet	300- to 150-foot ΔT

- (b) The Huntsville-Madison County Airport (HSV), about 18 miles east-southeast of the Browns Ferry Nuclear Plant, is located in an open terrain situation as is Browns Ferry, with no terrain variations of significance between the two locations. Joint frequency distributions of wind direction and wind speed by stability class from HSV for the period of record concurrent with that used for diffusion calculations (January 1, 1974 - December 31, 1975), were compared with those for the period January 1, 1968 - December 31, 1973 (Tables 5-5 and 5-6). Distributions of stability classes and of wind directions by stability class for the two data sets were very similar. Mean wind speeds also compared well.

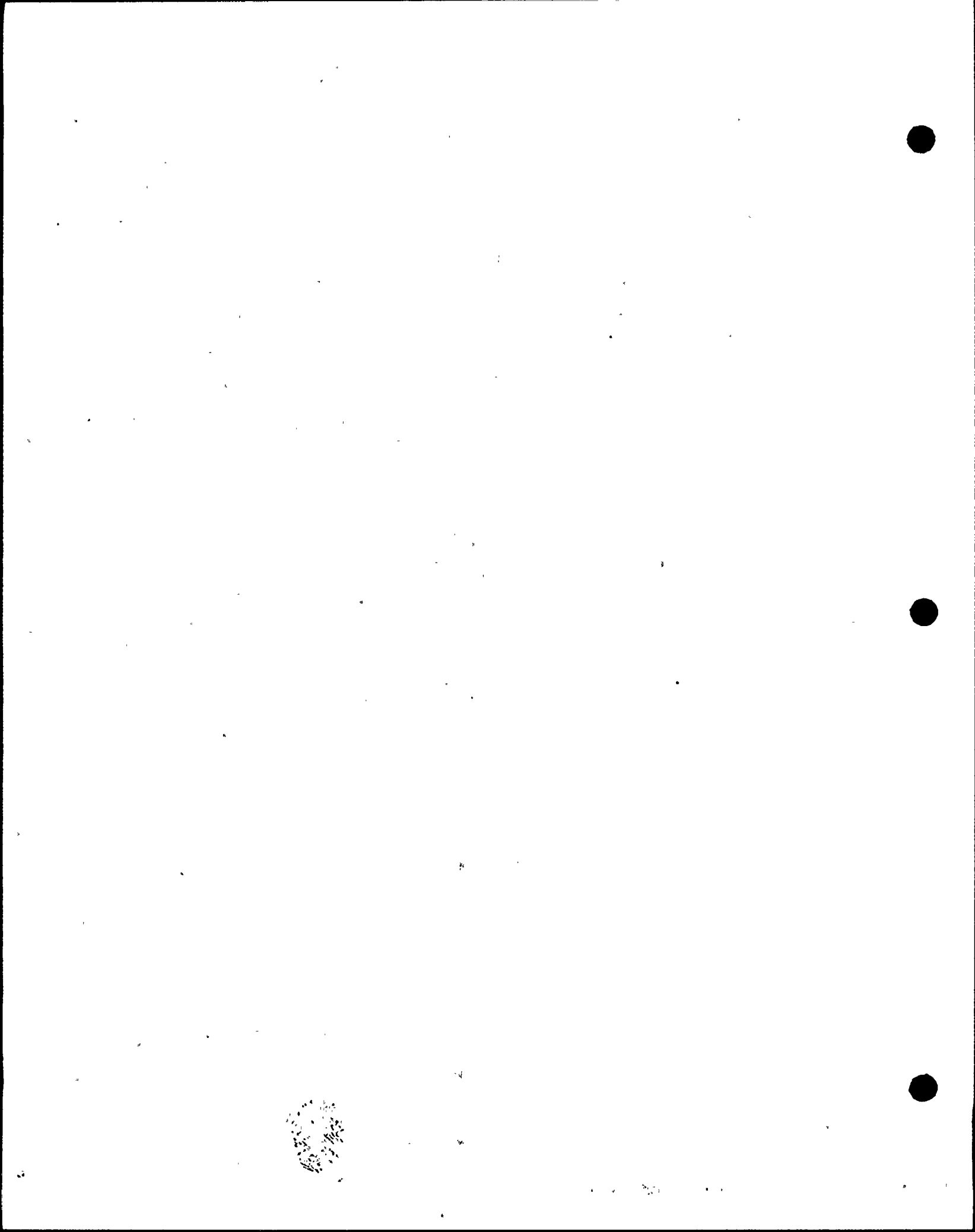


Table 5-1

Joint Frequency Distributions
Wind Direction and Wind Speed
by Stability Class - Monthly and Annual
Browns Ferry Nuclear Plant - 1974-1975

Temperature Instruments at 33 and 150 feet above ground
Wind Instruments at 33 feet above ground
(Annual tables, by stability class and for all stability
classes combined, as presented as table 4-3.)

WIND DIRECTION AND WIND SPEED
DIFFERENT STABILITY CLASSES

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JANUARY (74,75)

WIND SPEED (MPH)

DIRECTION	0-4=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	0.0	0.0	0.08	0.23	0.16	0.0	0.0	0.0	0.47
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.23	0.23	0.08	0.0	0.0	0.0	0.54
SE	0.0	0.0	0.47	0.39	0.0	0.0	0.0	0.0	0.86
SSE	0.0	0.08	0.55	0.08	0.0	0.0	0.0	0.0	0.71
S	0.0	0.08	0.16	0.0	0.0	0.0	0.0	0.0	0.24
SSW	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
WNW	0.0	0.0	0.0	0.0	0.23	0.16	0.0	0.0	0.39
SUBTOTAL	0.0	0.16	1.57	0.93	0.55	0.16	0.0	0.0	3.37

CALL = 0.0

43 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1289 VALID TEMPERATURE DIFFERENCE READINGS

43 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 43 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALL TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.08	0.39	0.0	0.0	0.0	0.47
NNE	0.0	0.0	0.08	0.0	0.39	0.0	0.0	0.0	0.47
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.16	0.08	0.0	0.0	0.0	0.0	0.24
ESE	0.0	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.16
SE	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.16
SSE	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
S	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.16
SSS	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
SK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSK	0.0	0.0	0.0	0.31	0.31	0.0	0.0	0.0	0.62
W	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.23
WNW	0.0	0.0	0.08	0.16	0.23	0.0	0.0	0.0	0.47
NW	0.0	0.0	0.0	0.0	0.31	0.08	0.0	0.0	0.39
WSW	0.0	0.0	0.08	0.08	0.63	0.31	0.08	0.0	1.18
SUBTOTAL	0.0	0.16	0.80	0.79	2.49	0.39	0.08	0.0	4.71

CALC = 0.0

61 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1289 VALID TEMPERATURE DIFFERENCE READINGS

60 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 61 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CUM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 32 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JULY 1962 FACILITY WIND DIRECTION AND WIND SPEED
 STABILITY CLASSES *

STABILITY CLASS C
 -1.7 < DELTA-T < -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)							TOTAL	
	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
N	0.0	0.0	0.0	0.0	0.55	0.08	0.0	0.0	0.63
NNE	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.16
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
ENE	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
ESE	0.0	0.0	0.16	0.08	0.0	0.0	0.0	0.0	0.24
SSE	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.16
S	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.23
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
WSW	0.0	0.0	0.0	0.08	0.08	0.0	0.0	0.0	0.16
W	0.0	0.0	0.08	0.08	0.08	0.0	0.0	0.0	0.24
WNW	0.0	0.08	0.16	0.08	0.16	0.0	0.0	0.0	0.48
W	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.23
WSW	0.0	0.0	0.08	0.08	0.47	0.31	0.0	0.0	0.94
SUBTOTAL	0.0	0.39	0.80	0.40	1.73	0.39	0.0	0.0	3.71

CALC = 0.0

49 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1289 VALID TEMPERATURE DIFFERENCE READINGS

47 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 49 STABILITY CLASS C OCCURRENCES

* ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE OCCURRENCES BY WIND DIRECTION AND WIND SPEED

STABILITY CLASS D

-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	0.1-1.4	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		
N	0.0	0.0	0.23	0.16	1.17	0.16	0.0	0.0	0.0	1.72
NNE	0.0	0.55	0.78	1.02	0.86	0.08	0.0	0.0	0.0	3.29
NE	0.0	0.47	0.39	0.08	0.08	0.0	0.0	0.0	0.0	1.02
NNE	0.0	0.63	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.94
E	0.0	0.08	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.24
ESE	0.0	0.16	0.94	0.23	0.0	0.0	0.0	0.0	0.0	1.33
SE	0.0	0.86	1.09	0.55	0.08	0.0	0.0	0.0	0.0	2.58
SSE	0.0	0.55	0.55	0.16	0.08	0.0	0.0	0.0	0.0	1.34
S	0.0	0.78	0.63	0.16	0.0	0.0	0.0	0.0	0.0	1.57
SSW	0.0	0.08	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.24
SW	0.0	0.23	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.46
WSW	0.0	0.39	0.47	0.08	0.23	0.16	0.0	0.0	0.0	1.33
W	0.0	0.08	0.55	0.31	0.39	0.23	0.0	0.0	0.0	1.56
WNW	0.0	0.08	0.08	0.47	0.78	0.08	0.0	0.0	0.0	1.49
NW	0.0	0.08	0.31	0.47	0.70	0.08	0.0	0.0	0.0	1.64
NNW	0.08	0.08	0.16	0.16	0.55	0.31	0.0	0.0	0.0	1.34
SUBTOTAL	0.08	5.10	6.96	3.93	4.92	1.10	0.0	0.0	0.0	22.09
CALF =	0.0									

267 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1289 WIND TEMPERATURE DIFFERENCE READINGS

262 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 267 STABILITY CLASS D OCCURRENCES

7 ALL COLUMNS ADD UP TO 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

J. L. ESCOBAR, JR. ENGINEER, LE. WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F

-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND SPEED (MPH)

DIRECTION	0-6=1-4	1-5=2-4	3-5=5-4	5-5=7-4	7-5=12-4	12-5=18-4	18-5=24-4	>24-5	TOTAL
..	0.0	0.63	0.31	0.31	0.16	0.0	0.0	0.0	1.41
NE	0.98	0.63	0.46	0.31	0.23	0.0	0.0	0.0	2.11
E	0.0	0.31	0.44	0.16	0.06	0.0	0.0	0.0	1.49
SE	0.0	0.16	0.08	0.0	0.0	0.0	0.0	0.0	0.24
S	0.08	0.55	0.39	0.08	0.0	0.0	0.0	0.0	1.16
SW	0.05	0.63	1.49	0.47	0.0	0.0	0.0	0.0	2.67
W	0.31	2.51	2.42	1.41	0.39	0.0	0.0	0.0	7.93
WNW	0.23	1.49	1.33	0.55	0.39	0.0	0.0	0.0	3.99
WSW	0.16	1.25	1.88	1.55	0.63	0.0	0.0	0.0	5.48
SSW	0.06	0.55	0.31	0.16	0.08	0.0	0.0	0.0	1.18
SSE	0.16	0.55	0.47	0.16	0.0	0.0	0.0	0.0	1.34
ENE	0.08	0.63	0.31	0.31	0.31	0.16	0.0	0.0	1.80
ESE	0.0	0.16	0.39	0.31	0.39	0.31	0.0	0.0	1.56
ENE	0.06	0.16	0.23	0.08	0.23	0.31	0.0	0.0	1.09
ESE	0.0	0.16	0.16	0.63	0.39	0.0	0.0	0.0	1.34
ENE	0.0	0.76	0.47	0.39	1.09	0.08	0.0	0.0	2.81
SUBTOTAL	1.34	11.14	12.04	6.59	4.37	0.86	0.0	0.0	36.64

CALC = 0.0

470 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1289 VALID TEMPERATURE DIFFERENCE READINGS

456 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 470 STABILITY CLASS E OCCURRENCES

ALL CELL VALUES CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 23 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWN FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4=1-4	4.5-8.4	8.5-12.4	12.5-16.4	16.5-20.4	20.5-24.4	24.5-28.4	28.5-32.4	
A	0.0	0.39	0.47	0.08	0.0	0.0	0.0	0.0	0.94
NE	0.00	0.23	0.39	0.0	0.0	0.0	0.0	0.0	0.70
E	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.31
SE	0.00	0.47	0.31	0.0	0.0	0.0	0.0	0.0	0.78
S	0.00	1.24	0.16	0.16	0.0	0.0	0.0	0.0	1.56
SW	0.0	3.71	1.80	0.47	0.39	0.0	0.0	0.0	6.37
SSW	0.0	1.04	0.47	0.47	0.70	0.0	0.0	0.0	3.28
S	0.00	1.02	1.33	1.09	0.63	0.0	0.0	0.0	4.15
SSW	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.23
SW	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.16
WSW	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.31
W	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.16
WSW	0.0	0.39	0.08	0.0	0.0	0.0	0.0	0.0	0.47
W	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.16
WSW	0.0	0.31	0.47	0.08	0.0	0.0	0.0	0.0	0.86
TOTAL	0.40	9.93	1.79	2.55	1.72	0.0	0.0	0.0	20.19

CALC = 0.0

258 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1259 WIND TEMPERATURE DIFFERENCE READINGS

258 WIND DIRECTION READINGS OUT OF TOTAL 258 STABILITY CLASS F OCCURRENCES

258 WIND SPEED READINGS OUT OF TOTAL 258 STABILITY CLASS F OCCURRENCES

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWN FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 100 FT AND 50 FT ABOVE GROUND

WIND INSTRUMENTS AT 35 FEET ABOVE GROUND

JULI DESCRIBE FREQUENCIES, LE. WIND DIRECTION AND WIND SPEED
ALL DIFFERENT STABILITY CLASSES

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6=1-4	1-5=3-4	3-5=5-4	5-5=7-4	7-5=12-4	12-5=19-4	18-5=24-4	24-5	
N	0.0	0.39	0.0	0.0	0.0	0.0	0.0	0.0	0.39
NW	0.0	0.55	0.08	0.0	0.0	0.0	0.0	0.0	0.63
NE	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.23
ENE	0.0	0.16	0.08	0.0	0.0	0.0	0.0	0.0	0.24
E	0.0	0.39	0.23	0.0	0.0	0.0	0.0	0.0	0.62
ESE	0.0	0.70	0.08	0.0	0.0	0.0	0.0	0.0	0.78
SE	0.0	1.88	0.31	0.09	0.0	0.0	0.0	0.0	2.27
SSE	0.16	1.49	0.39	0.08	0.0	0.0	0.0	0.0	2.12
S	0.0	1.33	0.39	0.08	0.0	0.0	0.0	0.0	1.80
SSW	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.06	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.16
Wn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
SUBTOTAL	0.24	7.44	1.56	0.24	0.0	0.0	0.0	0.0	9.48

CALC = 0.0

121 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1289 VALID TEMPERATURE DIFFERENCE READINGS

121 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 121 STABILITY CLASS G OCCURRENCES

* ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 23 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

WIND DIRECTION	JANUARY (74,75)									TOTAL
	WIND SPEED (KPH)									
	0.0-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	25-29.5	
N	0.0	1.57	1.28	0.86	2.92	0.21	0.0	0.0	0.0	6.84
NNE	0.14	2.14	2.35	1.43	2.28	0.07	0.0	0.0	0.0	8.41
NE	0.21	1.56	1.71	0.64	0.14	0.0	0.0	0.0	0.0	4.20
ENE	0.0	1.21	0.50	0.0	0.0	0.0	0.0	0.0	0.0	1.71
E	0.14	1.50	1.21	0.14	0.0	0.0	0.0	0.0	0.0	2.99
ESE	0.14	2.49	2.85	1.14	0.07	0.0	0.0	0.0	0.0	6.69
SE	0.29	7.77	5.77	2.71	0.78	0.0	0.0	0.0	0.0	17.32
SSE	0.38	4.92	3.14	1.21	1.07	0.0	0.0	0.0	0.0	10.70
S	0.21	4.47	6.13	2.71	1.14	0.0	0.0	0.0	0.0	12.61
SSW	0.27	0.64	0.71	0.21	0.07	0.0	0.0	0.0	0.0	1.70
SW	0.14	0.93	0.71	0.14	0.0	0.0	0.0	0.0	0.0	1.92
WSW	0.57	1.28	0.78	0.78	0.93	0.29	0.0	0.0	0.0	4.13
W	0.0	0.36	1.00	1.35	1.07	0.50	0.0	0.0	0.0	4.28
WNW	0.14	0.71	0.57	0.71	1.50	0.36	0.0	0.0	0.0	3.99
WV	0.0	0.29	0.64	1.07	1.78	0.14	0.0	0.0	0.0	3.92
NW	0.07	1.54	1.43	0.71	3.56	1.07	0.07	0.0	0.0	8.55
SUBTOTAL	1.98	33.37	21.78	15.81	17.31	2.64	0.07	0.0	0.0	99.96

CALM = 0.0

1403 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1468 TOTAL HOURS = 94.29 PERCENT

ALL CALMS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS A OCCURRENCES OF WIND DIRECTION AND WIND SPEED
 AT DIFFERENT STABILITY CLASSES

STABILITY CLASS A
 DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	FEBRUARY (74,75)								TOTAL
	WIND SPEED (MPH)								
	0.4-1.4	1.5-2.4	2.5-3.4	3.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	≥24.5	
N	0.0	0.0	0.0	0.00	0.09	0.0	0.0	0.0	0.18
NE	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
S	0.0	0.0	0.71	0.53	0.09	0.0	0.0	0.0	1.33
SW	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.44
W	0.0	0.09	0.26	0.44	0.0	0.0	0.0	0.0	0.79
WNW	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
WSW	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.09
W	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.35
WNW	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.18
WSW	0.0	0.0	0.0	0.09	0.09	0.09	0.09	0.0	0.36
W	0.0	0.0	0.0	0.18	0.0	0.18	0.0	0.0	0.36
WNW	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.18
SUBTOTAL	0.0	0.09	1.60	1.51	1.24	0.45	0.09	0.0	5.06

CALM = 0.0

59 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1145 VALID TEMPERATURE DIFFERENCE READINGS

57 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 59 STABILITY CLASS A OCCURRENCES

*ALL COLUMNS AND CALS TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED

FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS B

-1.9 < ΔTLTA-TK < -1.7 DEG. C/100M

BRONKS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

FEBRUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.4-1.4	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	
N	0.0	0.0	0.09	0.35	0.44	0.18	0.0	0.0	1.06
NNE	0.0	0.09	0.26	0.09	0.09	0.0	0.0	0.0	0.53
NE	0.0	0.0	0.09	0.09	0.0	0.0	0.0	0.0	0.18
ENE	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
E	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.09
ESE	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.09
SE	0.0	0.09	0.62	0.0	0.26	0.0	0.0	0.0	0.97
SSE	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.35
S	0.0	0.09	0.09	0.0	0.0	0.0	0.0	0.0	0.18
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.18	0.09	0.09	0.0	0.0	0.0	0.36
WSW	0.0	0.0	0.18	0.0	0.62	0.09	0.0	0.0	0.89
W	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.09
WNW	0.0	0.0	0.09	0.0	0.09	0.35	0.0	0.0	0.53
W	0.0	0.0	0.0	0.09	0.26	0.09	0.0	0.0	0.44
WSW	0.0	0.0	0.0	0.0	0.09	0.09	0.0	0.0	0.18
TOTAL	0.0	0.27	2.04	0.89	2.03	0.80	0.0	0.0	6.03

CALM = 0.0

85 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1145 VALID TEMPERATURE DIFFERENCE READINGS

68 VALID WIND DIRECTIONS - WIND SPEED READINGS OUT OF TOTAL 68 STABILITY CLASS B OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BRONKS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND DIRECTION, WIND SPEED, WIND VELOCITY, WIND DIRECTION AND WIND SPEED
 WIND DIRECTION STABILITY CLASSES

STABILITY CLASS C
 -1.7 < $\beta/\Delta T$ < -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

FEBRUARY (74,75)
 WIND SPEED (MPH)

DIR	0.5-1.4	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	0.0	0.0	0.0	0.09	0.09	0.09	0.0	0.0	0.27
NE	0.0	0.0	0.09	0.0	0.35	0.0	0.0	0.0	0.44
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.09
S	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
SW	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
W	0.0	0.0	0.0	0.09	0.0	0.09	0.0	0.0	0.18
NW	0.0	0.0	0.09	0.35	0.18	0.18	0.09	0.0	0.87
ALL	0.0	0.0	0.0	0.0	0.26	0.0	0.09	0.0	0.35
TOTAL	0.0	0.0	0.0	0.0	0.44	0.44	0.0	0.0	0.88
SUBTOTAL	0.0	0.09	0.81	0.80	1.50	0.80	0.18	0.0	4.18

CALM = 0.0

50 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1145 VALID TEMPERATURE DIFFERENCE READINGS

47 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 50 STABILITY CLASS C OCCURRENCES

ALL COLUMNS ADD UP TO 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND

WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND DIRECTION AND WIND SPEED
 STABILITY CLASSES

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

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

FEBRUARY (74, 75)

DIRECTION	0-4=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	0.0	0.00	0.18	0.53	1.76	0.09	0.0	0.0	2.65
NE	0.0	0.35	0.44	0.62	1.41	0.0	0.0	0.0	2.82
E	0.0	0.62	0.53	0.44	0.26	0.0	0.0	0.0	1.85
SE	0.0	0.44	0.09	0.18	0.0	0.0	0.0	0.0	0.71
S	0.0	0.26	0.09	0.18	0.0	0.0	0.0	0.0	0.53
SW	0.0	0.26	0.71	0.26	1.15	0.0	0.0	0.0	2.38
SSW	0.0	0.53	1.41	0.97	0.53	0.18	0.0	0.0	3.71
SS	0.0	0.09	0.71	0.18	0.09	0.0	0.0	0.0	1.07
S	0.0	0.26	1.23	0.26	0.0	0.0	0.0	0.0	1.75
SSW	0.0	0.0	0.18	0.09	0.0	0.0	0.0	0.0	0.27
SW	0.0	0.18	0.09	0.18	0.0	0.0	0.0	0.0	0.45
WSW	0.0	0.35	0.53	0.35	1.32	1.06	0.0	0.0	3.61
W	0.0	0.09	0.26	0.44	1.15	0.53	0.0	0.0	2.47
WSW	0.0	0.26	0.18	0.71	1.23	0.97	0.0	0.0	3.35
W	0.0	0.0	0.35	0.35	2.56	0.79	0.0	0.0	4.05
WSW	0.0	0.26	0.44	0.26	2.82	1.85	0.0	0.0	5.63
SUBTOTAL	0.09	4.04	7.42	6.00	14.26	5.47	0.0	0.0	37.30

CALC = 0.70

427 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1145 VALID TEMPERATURE DIFFERENCE READINGS

423 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 427 STABILITY CLASS D OCCURRENCES

ALL COLUMNS ADD TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

316 STABILITY CLASS E OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 IN DIFFERENT STABILITY CLASSES

STABILITY CLASS E
 $-0.5 < \Delta T = 1.5 \text{ DEG. C/100M}$

EDWINS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

FEBRUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6-14	1-5-24	3-5-5-4	5-5-7-4	7-5-12-4	12-5-18-4	18-5-24-4	≥24-5	
N	0.0	0.77	0.44	0.26	0.09	0.0	0.0	0.0	1.52
NE	0.0	0.71	0.62	0.35	0.09	0.0	0.0	0.0	1.77
E	0.0	0.55	0.25	0.09	0.0	0.0	0.0	0.0	0.79
SE	0.0	0.67	0.18	0.0	0.0	0.0	0.0	0.0	0.86
S	0.0	0.77	0.18	0.09	0.09	0.0	0.0	0.0	1.15
SW	0.0	0.24	0.18	0.18	0.09	0.0	0.0	0.0	0.71
SSW	0.0	1.37	0.62	0.71	1.68	0.0	0.0	0.0	4.33
SS	0.0	1.94	0.09	0.53	0.09	0.0	0.0	0.0	2.65
S	0.0	1.50	1.68	1.59	0.0	0.0	0.0	0.0	4.77
SSW	0.09	0.18	0.35	0.18	0.09	0.0	0.0	0.0	0.89
SW	0.0	0.09	0.26	0.09	0.0	0.0	0.0	0.0	0.44
WSW	0.0	0.33	0.71	0.44	0.26	0.0	0.0	0.0	1.74
W	0.0	0.26	0.35	0.62	0.26	0.0	0.0	0.0	1.49
WSW	0.09	0.26	0.0	0.62	0.18	0.0	0.0	0.0	1.15
W	0.0	0.44	0.18	0.18	0.62	0.0	0.0	0.0	1.42
WSW	0.0	0.35	0.44	0.79	0.26	0.0	0.0	0.0	1.84
SUBTOTAL	0.18	10.39	8.73	8.72	3.80	0.0	0.0	0.0	27.72

CALC = 0.0

316 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1145 VALID TEMPERATURE DIFFERENCE READINGS

314 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 316 STABILITY CLASS E OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES EST OF EDWINS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND DIRECTION, WIND SPEED, WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
1.5K DELTA-TK= 4.0 DEG. C/100M

ORONS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	0.0	0.35	0.18	0.0	0.0	0.0	0.0	0.0	0.53
NNE	0.0	1.50	0.09	0.25	0.0	0.0	0.0	0.0	1.85
NE	0.0	0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.62
ENE	0.0	0.35	0.09	0.0	0.0	0.0	0.0	0.0	0.44
E	0.09	0.53	0.44	0.0	0.0	0.0	0.0	0.0	1.06
ESE	0.0	0.71	0.26	0.09	0.0	0.0	0.0	0.0	1.06
SE	0.0	1.41	1.46	0.53	0.44	0.0	0.0	0.0	3.64
SSE	0.18	1.68	0.18	0.0	0.0	0.0	0.0	0.0	2.04
S	0.22	0.52	0.86	0.44	0.35	0.0	0.0	0.0	2.38
SSW	0.0	0.09	0.18	0.0	0.0	0.0	0.0	0.0	0.27
SW	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09
W	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.26
WNW	0.0	0.18	0.44	0.0	0.09	0.0	0.0	0.0	0.71
SUBTOTAL	0.53	8.13	4.06	1.32	0.86	0.0	0.0	0.0	14.84

CALC = 0.0

168 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1145 VALID TEMPERATURE DIFFERENCE READINGS

125 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 168 STABILITY CLASS F OCCURRENCES

ALL COLUMN SUMS CALC TOTAL 100 PERCENT OF NET VALID READINGS

* METEOROLOGICAL FACILITY LOCATED 0.74 ACRES EAST OF ORONS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 100 AND 53 FEET ABOVE GROUND
WIND INSTRUMENTS AT 53 FEET ABOVE GROUND

100 PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

GRUNNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

FEBRUARY (74,75)

WIND SPEED (MPH)

DIRECTION	0-4=1-4	4-7=4-4	7-9=5-4	9-12=7-4	12-15=12-4	15-18=18-4	18-24=24-4	>24-5	TOTAL
A	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
ANE	0.0	0.11	0.09	0.09	0.0	0.0	0.0	0.0	0.36
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09
E	0.0	0.21	0.09	0.0	0.0	0.0	0.0	0.0	0.25
ESE	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.26
SE	0.0	0.39	0.44	0.09	0.09	0.0	0.0	0.0	0.97
SSE	0.0	0.26	0.26	0.18	0.0	0.0	0.0	0.0	0.76
S	0.16	1.41	0.35	0.69	0.0	0.0	0.0	0.0	2.65
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09
NNW	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
SUBTOTAL	0.16	2.90	1.41	0.45	0.09	0.0	0.0	0.0	5.05

CALC = 0.0

57 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1145 VALID TEMPERATURE DIFFERENCE READINGS

57 VALID WIND DIRECTIONS - WIND SPEED READINGS OUT OF TOTAL 57 STABILITY CLASS G OCCURRENCES

ALL COLUMNS ADD CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF GRUNNS FERRY NUCLEAR PLANT -
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND SPEED
 ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

FEBRUARY (74,75)

WIND SPEED (MPH)

DIRECTION	0-4-124	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	0.0	1.21	0.95	1.30	2.77	0.35	0.0	0.0	6.56
NNE	0.0	2.77	1.56	1.56	2.60	0.0	0.0	0.0	8.49
NE	0.0	1.56	1.04	0.61	0.26	0.0	0.0	0.0	3.47
NNE	0.0	1.47	0.43	0.17	0.0	0.0	0.0	0.0	2.07
E	0.09	1.82	0.78	0.43	0.09	0.0	0.0	0.0	3.21
ESE	0.0	1.56	1.30	0.61	1.21	0.0	0.0	0.0	4.65
SE	0.17	3.98	2.93	2.85	3.11	0.17	0.0	0.0	15.21
SSE	0.26	3.98	2.08	0.67	0.17	0.0	0.0	0.0	7.36
S	0.26	3.98	4.76	2.77	0.35	0.0	0.0	0.0	12.12
SSW	0.09	0.26	0.97	0.26	0.09	0.0	0.0	0.0	1.57
SW	0.09	0.26	0.52	0.35	0.26	0.0	0.0	0.0	1.42
WSW	0.0	0.87	1.36	0.87	2.51	1.12	0.0	0.0	6.75
W	0.0	0.35	0.61	1.12	1.64	0.61	0.0	0.0	4.33
WNW	0.09	0.61	0.35	1.73	1.73	1.56	0.17	0.0	6.24
W	0.0	0.52	0.78	0.78	3.72	1.04	0.09	0.0	6.43
WNW	0.0	0.78	1.38	1.04	3.69	2.51	0.0	0.0	9.60
SUBTOTAL	1.05	25.46	23.72	17.32	24.40	7.36	0.26	0.0	100.69

CALC = 0.0

1156 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1344 TOTAL HOURS = 86.01 PERCENT

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND DIRECTION AND WIND SPEED
STABILITY CLASSES

STABILITY CLASS A
DELTA T = -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.4-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-16.4	16.5-24.4	24.5	
A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.07	0.0	0.14	0.50	0.0	0.0	0.71
SW	0.0	0.07	0.0	0.21	0.07	0.0	0.0	0.0	0.35
WSW	0.0	0.0	1.07	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	1.21	0.0	0.0	0.0	0.0	0.0	0.21
SSW	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
SE	0.0	0.07	0.93	0.21	0.21	0.0	0.0	0.0	1.42
SSE	0.0	0.14	1.07	0.21	0.0	0.0	0.0	0.0	1.42
S	0.0	0.14	0.36	0.14	0.0	0.0	0.0	0.0	0.64
SSW	0.0	0.0	0.14	0.0	0.07	0.0	0.0	0.0	0.21
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.07	0.0	0.0	0.07	0.0	0.14
WSW	0.0	0.0	0.07	0.0	0.07	0.50	0.0	0.0	0.64
W	0.0	0.0	0.0	0.0	0.07	0.93	0.07	0.0	1.07
WSW	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.29
SUBTOTAL	0.0	0.42	2.99	0.91	0.63	2.22	0.14	0.0	7.31

CALC = 0.0

105 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

103 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 105 STABILITY CLASS A OCCURRENCES

*ALL COLUINS AND CALC TOTAL 100 PERCENT OF ALL VALID READINGS

METEOROLOGICAL FACILITY LOCATED 1075 FEET ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS B OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
 -1.9< DELTA-T<=-1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND DIRECTION	0-5=1-4	1-5=3-4	2-5=5-4	5-5=7-4	7-5=12-4	12-5=18-4	18-5=24-4	24-5	TOTAL
N	0.0	0.0	0.0	0.21	0.21	0.0	0.0	0.0	0.42
NAE	0.0	0.0	0.07	0.0	0.36	0.07	0.0	0.0	0.50
NE	0.0	0.0	0.14	0.14	0.0	0.0	0.0	0.0	0.28
ENE	0.0	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.21
E	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.07	0.64	0.14	0.07	0.0	0.0	0.0	0.92
SSE	0.0	0.21	0.14	0.0	0.07	0.0	0.0	0.0	0.42
S	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.21
SSW	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.21
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.07	0.0	0.14	0.07	0.07	0.0	0.35
WNW	0.0	0.0	0.07	0.07	0.36	0.21	0.29	0.0	1.00
WV	0.0	0.0	0.0	0.0	0.21	0.43	0.0	0.0	0.64
WNW	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.29
SUBTOTAL:	0.0	0.28	1.34	1.05	1.49	1.07	0.36	0.0	5.59
CALC *	0.0								

*79 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

*79 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 79 STABILITY CLASS B OCCURRENCES

*ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 1'0 AND 32 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS C OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 BY STABILITY CLASS C

STABILITY CLASS C
 $-1.7 < \Delta T < -1.5$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

NAOCH (74,75)

WIND DIRECTION	0.6-1.6	1.6-3.6	3.6-5.6	5.6-7.6	7.6-12.4	12.4-18.4	18.4-24.4	>24.4	TOTAL
N	0.0	0.0	0.0	0.0	0.36	0.07	0.0	0.0	0.43
NNE	0.0	0.0	0.0	0.14	0.0	0.21	0.0	0.0	0.35
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
ESE	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
SE	0.0	0.43	0.14	0.0	0.0	0.0	0.0	0.0	0.57
SSE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.21
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.0	0.14
W	0.0	0.0	0.07	0.0	0.29	0.29	0.0	0.0	0.65
WNW	0.0	0.0	0.0	0.0	0.36	0.14	0.36	0.0	0.86
NA	0.0	0.0	0.07	0.0	0.07	0.14	0.0	0.0	0.28
NNW	0.0	0.0	0.0	0.14	0.43	0.14	0.0	0.0	0.71
SUBTOTAL	0.0	0.57	0.77	0.35	1.58	0.99	0.36	0.0	4.62
CALC =	0.0								

65 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

65 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 65 STABILITY CLASS C OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESP OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS D
-1.5C DELTA-TK=-0.5 DEG. C/100M

ERDMANS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

WIND DIRECTION	MARCH (74,75)								
	0.5-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	24.5-5	TOTAL
N	0.0	0.14	0.07	0.29	0.93	0.50	0.0	0.0	1.93
NE	0.07	0.36	0.47	0.50	0.26	0.21	0.0	0.0	2.57
E	0.0	0.43	0.07	0.0	0.21	0.0	0.0	0.0	0.71
SE	0.07	0.36	0.50	0.07	0.21	0.0	0.0	0.0	1.21
S	0.0	0.14	0.21	0.14	0.14	0.0	0.0	0.0	0.63
SW	0.0	0.36	0.71	0.21	0.07	0.0	0.0	0.0	1.35
SSW	0.0	1.21	0.26	0.21	0.50	0.21	0.0	0.0	3.06
S	0.0	0.57	0.36	0.21	0.07	0.0	0.0	0.0	1.21
SS	0.0	0.64	0.71	0.29	0.07	0.0	0.0	0.0	1.71
SSW	0.0	0.14	0.21	0.07	0.0	0.0	0.0	0.0	0.42
SW	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.07	0.50	0.36	0.21	0.07	0.0	0.0	1.21
W	0.0	0.07	0.36	0.14	0.57	0.64	0.0	0.0	1.71
WSW	0.0	0.14	0.29	0.21	0.36	0.93	0.21	0.0	2.14
W	0.0	0.14	0.21	0.29	1.21	1.07	0.07	0.0	3.06
WSW	0.0	0.29	0.43	0.43	1.43	1.07	0.0	0.0	3.65
SUBTOTAL	0.14	5.26	6.13	3.42	6.91	4.70	0.28	0.0	26.78

CALC = 0.0

383 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

370 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 383 STABILITY CLASS D OCCURRENCES

ALL VALUES AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

NOTE: METEOROLOGICAL FACILITY LOCATED 0.75 MILES EAST OF ERDMANS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 22 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

STABILITY CLASS E
 -0.5 < DELTA-T < 1.5 DEG. C/100M

BRUNN'S FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

MARCH (74,75)

WIND SPEED (MPH)

DIRECTION	0-4=1.4	4.5-8.4	8.5-12.4	12.5-16.4	16.5-20.4	20.5-24.4	24.5-28.4	28.5-32.4	32.5-36.4	TOTAL
N	0.07	0.14	0.71	0.93	0.57	0.14	0.0	0.0	0.0	2.56
NE	0.0	0.36	0.64	0.21	0.29	0.0	0.0	0.0	0.0	1.50
E	0.07	0.50	0.79	0.43	0.07	0.0	0.0	0.0	0.0	1.86
SE	0.07	0.50	0.43	0.0	0.0	0.0	0.0	0.0	0.0	1.00
S	0.0	0.57	0.29	0.36	0.14	0.0	0.0	0.0	0.0	1.36
SW	0.07	0.64	0.93	0.43	0.71	0.0	0.0	0.0	0.0	2.76
W	0.21	1.64	0.79	0.57	0.86	0.0	0.0	0.0	0.0	4.97
WNW	0.07	1.00	0.21	0.14	0.14	0.0	0.0	0.0	0.0	1.56
WSW	0.14	1.24	1.71	1.43	0.07	0.0	0.0	0.0	0.0	4.63
SSW	0.29	0.29	0.79	0.50	0.07	0.0	0.0	0.0	0.0	1.94
SW	0.07	0.21	0.21	0.07	0.07	0.0	0.0	0.0	0.0	0.63
WS	0.0	0.29	0.79	0.29	0.21	0.0	0.0	0.0	0.0	1.58
W	0.07	0.36	0.43	0.43	0.21	0.14	0.0	0.0	0.0	1.64
WNW	0.0	0.14	0.29	0.21	0.21	0.07	0.0	0.0	0.0	0.92
WSW	0.07	0.0	0.14	0.07	0.36	0.14	0.0	0.0	0.0	0.76
W	0.07	0.14	0.64	0.64	0.50	0.07	0.0	0.0	0.0	2.06
SUBTOTAL	1.21	8.06	9.79	6.71	4.48	0.56	0.0	0.0	0.0	30.87

CALM = 0.21

447 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

436 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 447 STABILITY CLASS E OCCURRENCES

ALL CELLS AND CALM TOTAL TO 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.70 MILES ESE OF BRUNN'S FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND

WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

MULTI-DIRECTIONAL OCCURRENCES OF WIND DIRECTION AND WIND SPEED
FOR STABILITY CLASS F

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

MARCH (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-5=1-4	1-5=3-4	2-5=5-4	5-5=7-4	7-5=12-4	12-5=18-4	18-5=24-4	>=24-5	
N	0.07	0.29	0.07	0.07	0.0	0.0	0.0	0.0	0.50
NE	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.50
E	0.14	0.50	0.21	0.0	0.0	0.0	0.0	0.0	0.85
SE	0.0	0.14	0.21	0.0	0.0	0.0	0.0	0.0	0.42
S	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.14
SW	0.07	0.21	0.14	0.0	0.0	0.0	0.0	0.0	0.42
W	0.07	1.43	0.29	0.56	0.14	0.0	0.0	0.0	3.14
WNW	0.29	0.50	0.14	0.57	0.21	0.0	0.0	0.0	1.71
WSW	0.14	1.57	1.07	1.60	0.71	0.0	0.0	0.0	4.49
SSW	0.14	0.29	0.21	0.0	0.0	0.0	0.0	0.0	0.64
SSE	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.21
ENE	0.07	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.14
ESE	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.21
ENE	0.0	0.14	0.29	0.07	0.0	0.0	0.0	0.0	0.50
ENE	0.07	0.14	0.14	0.0	0.0	0.0	0.0	0.0	0.35
ENE	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
TOTAL	1.77	6.20	2.91	2.42	1.06	0.0	0.0	0.0	14.36

CALC = 0.07

209 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

203 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 209 STABILITY CLASS F OCCURRENCES

ALL OCCURRENCES ARE TOTAL 100 PERCENT OF THE VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 110 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

LIST OF OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 BY DIFFERENT STABILITY CLASSES

STABILITY CLASS G
 TEMA I > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

MARCH (74,75)

WIND SPEED (MPH)

DIRECTION	0-4=1-4	4-5=3-4	5-6=5-4	6-7=7-4	7-8=12-4	8-9=18-4	10-11=24-4	12-15=24-5	TOTAL
N	0.14	0.71	0.07	0.0	0.0	0.0	0.0	0.0	0.92
NNE	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.29
NE	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.14
NNE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
E	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.21
ESE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.14	0.71	0.07	0.21	0.07	0.0	0.0	0.0	1.20
SSE	0.43	1.78	0.36	0.07	0.07	0.0	0.0	0.0	2.71
S	0.14	1.71	0.86	0.50	0.0	0.0	0.0	0.0	3.21
SSW	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.14
SW	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.21
WSW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21
WNW	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.29
SUBTOTAL	1.20	6.33	1.36	0.78	0.14	0.0	0.0	0.0	9.81

CALC = 0.07

139 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

139 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 139 STABILITY CLASS G OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWN'S FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DIRECTION	MARCH (74,75)								TOTAL
	0.5-1.4	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	
N	0.28	1.27	0.92	1.49	2.05	0.71	0.0	0.0	6.72
NNE	0.07	1.49	1.35	0.85	1.63	0.99	0.0	0.0	6.38
NE	0.21	1.63	1.20	0.78	0.35	0.0	0.0	0.0	4.17
ENE	0.14	1.13	1.35	0.14	0.28	0.0	0.0	0.0	3.04
E	0.0	1.06	0.35	0.57	0.28	0.0	0.0	0.0	2.76
ESE	0.14	1.27	1.98	0.71	0.76	0.0	0.0	0.0	4.88
SE	0.99	5.67	3.78	2.05	1.64	0.21	0.0	0.0	14.44
SSE	0.78	4.25	2.41	1.20	0.57	0.0	0.0	0.0	9.21
S	0.22	5.39	4.52	3.68	0.85	0.0	0.0	0.0	15.15
SSW	0.42	0.85	1.35	0.79	0.21	0.0	0.0	0.0	3.61
SW	0.14	0.57	0.35	0.07	0.07	0.0	0.0	0.0	1.20
WSW	0.14	0.35	1.42	0.71	0.50	0.14	0.0	0.0	3.26
W	0.14	0.57	0.99	0.64	1.20	1.13	0.14	0.0	4.81
WNW	0.0	0.42	0.99	0.57	1.35	1.98	0.92	0.0	6.23
WNW	0.35	0.28	0.57	0.35	1.98	2.69	0.14	0.0	6.38
WW	0.14	0.78	1.06	1.20	2.34	1.84	0.0	0.0	7.34
SUBTOTAL	4.36	26.97	25.29	15.79	16.28	9.69	1.20	0.0	99.58
CALM =	0.31								

1412 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 94.99 PERCENT

ALL COLUMNS ADD CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWN'S FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 35 FEET ABOVE GROUND

JULY PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
 SEE SITE SPECIFIC STABILITY CLASSES

STABILITY CLASS A
 DELTA T < -1.9 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	APRIL (74,75)								TOTAL
	0.1-1.4	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	
N	0.0	0.0	0.0	0.14	0.92	0.28	0.0	0.0	1.34
NNE	0.0	0.0	0.07	0.71	0.99	0.0	0.0	0.0	1.77
NE	0.0	0.0	0.14	0.28	0.0	0.0	0.0	0.0	0.42
NNE	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.21
E	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.07	1.35	0.78	0.21	0.0	0.0	0.0	2.41
SSE	0.0	0.07	0.99	0.43	0.07	0.0	0.0	0.0	1.56
S	0.0	0.21	2.57	0.36	0.28	0.0	0.0	0.0	1.42
SSW	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.14	0.28	0.0	0.0	0.0	0.0	0.42
W	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.21
WNW	0.0	0.0	0.0	0.14	0.43	0.07	0.0	0.0	0.64
W	0.0	0.0	0.0	0.0	0.43	0.14	0.0	0.0	0.57
WNW	0.0	0.0	0.0	0.14	0.07	0.28	0.0	0.0	0.49
SUBTOTAL	0.0	0.35	3.54	3.61	3.40	0.77	0.0	0.0	11.67

CALF = 0.0

167 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

165 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 167 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALF TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

APRIL (74,75)

WIND DIRECTION	WIND SPEED (KPH)								TOTAL
	0.4-1.4	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	
N	0.0	0.0	0.0	0.07	0.21	0.0	0.0	0.0	0.28
NNE	0.0	0.0	0.14	0.21	0.28	0.0	0.0	0.0	0.63
NE	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
ENE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
E	0.0	0.07	0.0	0.0	0.07	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.07	0.64	0.07	0.07	0.0	0.0	0.0	0.85
SSF	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.21
S	0.0	0.07	0.07	0.14	0.0	0.0	0.0	0.0	0.28
SSW	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.14
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.21	0.14	0.07	0.0	0.0	0.0	0.42
W	0.0	0.0	0.07	0.28	0.0	0.0	0.0	0.0	0.35
WNW	0.0	0.0	0.0	0.21	0.85	0.07	0.0	0.0	1.13
W	0.0	0.0	0.07	0.07	0.50	0.07	0.0	0.0	0.71
WNW	0.0	0.0	0.0	0.0	0.43	0.07	0.0	0.0	0.50
SUBTOTAL	0.0	0.28	1.48	1.47	2.41	0.21	0.0	0.0	5.85

CALC = 0.0

84 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1219 VALID TEMPERATURE DIFFERENCE READINGS

83 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 84 STABILITY CLASS B OCCURRENCES

ALL COLUMNS ADD CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
 -1.7 < DELTA-T < -1.5 DEG. C/100F

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.0-1.4	1.5-3.0	3.1-5.0	5.1-7.4	7.5-12.4	12.5-18.4	18.5-24.4	24.5	
N	0.0	0.0	0.0	0.07	0.07	0.07	0.0	0.0	0.21
NNE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.21
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.14	0.28	0.0	0.14	0.0	0.0	0.0	0.56
SSE	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.21
S	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.28
SSS	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.0	0.28	0.14	0.07	0.0	0.0	0.0	0.49
W	0.0	0.0	0.14	0.14	0.07	0.0	0.0	0.0	0.35
WNW	0.0	0.0	0.0	0.14	0.28	0.21	0.07	0.0	0.70
W	0.0	0.0	0.07	0.0	0.14	0.0	0.0	0.0	0.21
WNW	0.0	0.0	0.0	0.0	0.28	0.14	0.0	0.0	0.42
SUBTOTAL	0.0	0.56	1.26	0.63	1.05	0.42	0.07	0.0	3.99

CALP = 0.0

57 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

57 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 57 STABILITY CLASS C OCCURRENCES

ALL COLUMNS ADD UP TO 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND DIRECTION, FREQUENCY, DIRECTION AND WIND SPEED
 BY DIRECTION - STABILITY CLASSES

STABILITY CLASS D

-1.5 < DELTA-TK = -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	0.5-1.4	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		
N	0.0	0.0	0.14	0.71	0.57	0.0	0.0	0.0	0.0	1.42
NNE	0.0	0.36	0.14	0.14	0.21	0.0	0.0	0.0	0.0	0.85
NE	0.0	0.21	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.35
ENE	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
E	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.21
ESE	0.0	0.20	0.14	0.21	0.07	0.0	0.0	0.0	0.0	0.70
SE	0.0	1.40	1.14	0.71	0.21	0.0	0.0	0.0	0.0	3.62
SSE	0.07	0.57	0.43	0.21	0.14	0.0	0.0	0.0	0.0	1.42
S	0.0	0.71	0.28	0.71	0.07	0.0	0.0	0.0	0.0	1.74
SSW	0.0	0.14	0.21	0.36	0.07	0.0	0.0	0.0	0.0	0.78
SW	0.0	0.21	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.35
WSW	0.0	0.43	0.50	0.36	0.21	0.07	0.0	0.0	0.0	1.57
W	0.0	0.21	0.50	0.36	0.71	0.07	0.0	0.0	0.0	1.85
WNW	0.0	0.14	0.21	0.64	0.92	0.43	0.36	0.07	0.07	2.77
NW	0.0	0.07	0.07	0.21	0.71	0.71	0.28	0.07	0.07	2.19
NNW	0.0	0.14	0.28	0.36	1.35	0.50	0.07	0.0	0.0	2.76
SUBTOTAL	0.07	5.17	4.39	5.15	5.31	1.78	0.71	0.14	0.14	22.76

CALC = 0.0

325 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

321 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 325 STABILITY CLASS D OCCURRENCES

*ALL COLUMNS ARE CALC TOTAL TO PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT MILITARY AGENCY WEATHER SERVICE - AIR QUALITY AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS E
 -0.5 < DELTA-T <= 1.5 DEG. C/100M

IRVING FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND SPEED (MPH)

DIRECTION	0.5-1.4	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	0.0	0.29	0.50	0.29	0.43	0.0	0.0	0.0	1.51
NE	0.0	0.21	0.43	0.21	0.14	0.0	0.0	0.0	0.99
E	0.14	0.29	0.50	0.07	0.0	0.0	0.0	0.0	0.99
SE	0.07	0.29	0.07	0.0	0.0	0.0	0.0	0.0	0.42
E	0.0	0.35	0.07	0.0	0.0	0.0	0.0	0.0	0.42
SE	0.07	0.07	0.43	0.07	0.0	0.0	0.0	0.0	1.14
S	0.14	0.05	1.49	0.78	0.99	0.0	0.0	0.0	4.25
SSW	0.21	0.71	1.35	0.57	0.28	0.0	0.0	0.0	3.19
S	0.21	1.21	1.95	1.56	1.14	0.0	0.0	0.0	5.97
SSW	0.36	0.43	0.71	0.64	0.43	0.07	0.0	0.0	2.64
S	0.28	0.21	0.21	0.0	0.0	0.0	0.0	0.0	0.70
WSW	0.07	0.21	0.28	0.28	0.14	0.0	0.0	0.0	0.98
W	0.0	0.57	0.43	0.21	0.07	0.0	0.0	0.0	1.21
WSW	0.0	0.14	0.36	0.14	0.28	0.14	0.0	0.0	0.99
W	0.0	0.14	0.07	0.07	0.71	0.21	0.0	0.0	1.20
WSW	0.07	0.36	0.64	1.07	0.99	0.07	0.0	0.0	3.20
SUBTOTAL	1.52	6.81	9.39	5.95	5.60	0.49	0.0	0.0	29.56

CALC = 0.14

426 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

423 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 426 STABILITY CLASS E OCCURRENCES

ALL COLUMNS ARE CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF IRVING FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 53 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

DIRECTION	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	0.0	0.07	0.21	0.07	0.0	0.0	0.0	0.0	0.35
NE	0.07	0.71	0.85	0.21	0.0	0.0	0.0	0.0	1.84
E	0.07	0.28	0.57	0.0	0.0	0.0	0.0	0.0	0.92
SE	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.21
S	0.14	0.59	0.07	0.0	0.0	0.0	0.0	0.0	0.71
SW	0.14	0.43	0.14	0.07	0.0	0.0	0.0	0.0	0.78
SSW	0.56	1.24	0.43	0.21	0.07	0.0	0.0	0.0	2.49
SSS	0.28	0.50	0.85	0.28	0.14	0.0	0.0	0.0	2.05
S	0.0	0.78	0.50	0.36	0.64	0.0	0.0	0.0	2.28
SSS	0.14	0.21	0.14	0.0	0.0	0.0	0.0	0.0	0.49
SS	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.21	0.07	0.0	0.0	0.07	0.0	0.0	0.0	0.35
W	0.07	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.21
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.07	0.14	0.07	0.0	0.0	0.0	0.0	0.28
WSW	0.14	0.36	0.28	0.28	0.0	0.0	0.0	0.0	1.06
SUM-TOTAL	1.60	5.33	4.32	1.62	0.92	0.0	0.0	0.0	14.09

CALC = 0.21

203 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

202 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 203 STABILITY CLASS F OCCURRENCES

ALL COLUMNS ARE CALCD TOTAL TO PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 140 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

DELTA T PLACEMENT ESTIMATES, LEAD TIME COLLECTION AND WIND SPEED
 ESTIMATES BY STABILITY CLASSES *

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/10CM

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

DIRECTION	WIND SPEED (MPH)								TOTAL
	0.6-1.4	1.5-3.0	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	≥24.5	
N	0.21	0.74	0.21	0.0	0.0	0.0	0.0	0.0	1.20
NNE	0.36	1.85	0.14	0.0	0.0	0.0	0.0	0.0	2.35
NE	0.14	0.21	0.14	0.0	0.0	0.0	0.0	0.0	0.49
NNE	0.21	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.71
E	0.14	0.85	0.21	0.0	0.0	0.0	0.0	0.0	1.20
ESE	0.28	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.42
SE	0.28	1.49	0.0	0.0	0.0	0.0	0.0	0.0	1.77
SSE	0.36	0.71	0.0	0.0	0.07	0.0	0.0	0.0	1.14
S	0.21	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.35
SSW	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.21
SW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
WNW	0.07	0.50	0.0	0.07	0.0	0.0	0.0	0.0	0.64
SUBTOTAL	2.61	7.45	0.70	0.07	0.07	0.0	0.0	0.0	10.90

CALC = 0.21

157 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

157 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 157 STABILITY CLASS G OCCURRENCES

* ALL COLUMNS AND EACH TOTAL TO CORRECT FOR NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES EST OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 30 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 30 FEET ABOVE GROUND

RECORD OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND SPEED (MPH)

DIRECTION	0.1-1.4	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	0.21	1.13	1.06	1.34	2.19	0.35	0.0	0.0	6.28
NNE	0.42	3.11	1.77	1.55	1.63	0.0	0.0	0.0	8.48
NE	0.35	0.99	1.70	0.49	0.0	0.0	0.0	0.0	3.53
ENE	0.35	0.92	0.35	0.14	0.0	0.0	0.0	0.0	1.76
E	0.28	1.91	0.42	0.07	0.0	0.0	0.0	0.0	2.68
ESE	0.49	1.48	0.78	0.35	0.07	0.0	0.0	0.0	3.17
SE	0.92	5.37	5.30	2.81	1.70	0.0	0.0	0.0	15.90
SSE	0.92	2.90	3.75	1.55	0.71	0.0	0.0	0.0	9.83
S	0.42	3.53	3.46	3.18	2.12	0.0	0.0	0.0	12.71
SSW	0.54	0.65	1.20	1.20	0.49	0.07	0.0	0.0	4.45
SW	0.42	0.42	3.69	0.0	0.0	0.0	0.0	0.0	1.53
WSW	0.28	0.78	1.48	1.20	0.57	0.07	0.0	0.0	4.38
W	0.97	0.85	1.27	1.20	0.85	0.07	0.0	0.0	4.31
WNW	0.0	0.28	0.57	1.27	2.76	0.92	0.42	0.07	6.29
WW	0.14	0.28	0.42	0.42	2.54	1.13	0.28	0.07	5.28
WNW	0.28	1.34	1.20	1.91	3.11	1.06	0.07	0.0	8.97
SUBTOTAL	6.19	26.14	25.22	18.48	18.74	3.67	0.77	0.14	99.55

CALM = 0.57

1415 VALID WIND DIRECTIONS - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 98.26 PERCENT

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS A
 DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

MAY (7-75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.4-1.4	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	
R	0.0	0.0	0.07	0.29	0.0	0.0	0.0	0.0	0.36
RNE	0.0	0.0	0.36	0.36	0.0	0.0	0.0	0.0	0.72
NE	0.0	0.0	0.22	0.14	0.0	0.0	0.0	0.0	0.36
ENE	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.22
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.22	1.52	0.07	0.0	0.0	0.0	0.0	1.81
SSE	0.0	0.07	0.72	0.0	0.0	0.0	0.0	0.0	0.79
S	0.0	0.22	0.29	0.14	0.0	0.0	0.0	0.0	0.65
SSW	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.21
SW	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.21
W	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.07	0.29	0.0	0.0	0.0	0.36
W	0.0	0.0	0.0	0.29	0.43	0.07	0.0	0.0	0.79
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.58	3.89	1.43	0.79	0.07	0.0	0.0	6.76

CALC = 0.0

99 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

94 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 99 STABILITY CLASS A OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
 BY DIFFERENT STABILITY CLASSES

STABILITY CLASS B
 -1.9 < DELTA-T <= -1.7 DEG. C/100M

PROBNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4=1-4	4.5=8-4	8.5=12-4	12.5=17-4	17.5=24-4	24.5=30-4	30.5=37-4	≥37-4	
N	0.0	0.07	0.36	0.07	0.36	0.0	0.0	0.0	0.86
NNE	0.0	0.0	0.22	0.07	0.0	0.0	0.0	0.0	0.29
NE	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.21
ENE	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
E	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.56	0.80	0.14	0.0	0.0	0.0	0.0	1.57
SSE	0.0	0.22	0.36	0.0	0.0	0.0	0.0	0.0	0.58
S	0.0	0.14	0.51	0.14	0.07	0.0	0.0	0.0	0.86
SSW	0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.29
S _w	0.0	0.14	0.22	0.0	0.0	0.0	0.0	0.0	0.36
WS _w	0.0	0.22	0.29	0.0	0.07	0.0	0.0	0.0	0.58
W	0.0	0.14	0.43	0.36	0.07	0.0	0.0	0.0	1.00
WSW	0.0	0.07	0.22	0.29	0.0	0.0	0.0	0.0	0.58
W _w	0.0	0.0	0.22	0.22	0.51	0.0	0.07	0.0	1.02
WNW	0.0	0.07	0.0	0.07	0.36	0.07	0.0	0.0	0.57
SUBTOTAL	0.0	1.79	4.27	1.36	1.44	0.07	0.07	0.0	9.00

CALM = 0.0

133 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

125 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 133 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF PROBNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 100 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS C OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 STABILITY CLASS C

-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	0.6-1.4	1.5-2.4	2.5-5.4	5.5-7.4	7.5-12.4	12.5-16.4	16.5-24.4	>24.5	TOTAL
N	0.0	0.0	0.29	0.0	0.07	0.0	0.0	0.0	0.36
NNE	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.22
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.07	0.14	0.14	0.0	0.0	0.0	0.0	0.35
SE	0.0	0.36	0.29	0.0	0.0	0.0	0.0	0.0	0.65
SSE	0.0	0.51	0.43	0.0	0.0	0.0	0.0	0.0	0.94
S	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
SSE	0.0	0.07	0.14	0.07	0.0	0.0	0.0	0.0	0.28
SSW	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.14
W	0.0	0.0	0.36	0.14	0.0	0.0	0.0	0.0	0.50
WNW	0.0	0.07	0.43	0.22	0.0	0.0	0.0	0.0	0.72
W	0.0	0.0	0.0	0.07	0.22	0.0	0.0	0.0	0.29
WNW	0.0	0.0	0.07	0.07	0.0	0.07	0.0	0.0	0.21
SUBTOTAL	0.0	1.22	2.51	0.85	0.29	0.07	0.0	0.0	4.94

CALC = 0.0

71 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

49 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 71 STABILITY CLASS C OCCURRENCES

*ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.72 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 32 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND DIRECTION AND WIND SPEED
 STABILITY CLASSES

STABILITY CLASS D
 -1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWN'S FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.6-1.4	1.5-2.4	2.5-3.4	3.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>24.5	
N	0.67	0.58	0.80	0.58	0.72	0.14	0.0	0.0	2.89
NNE	0.0	0.38	0.72	0.14	0.07	0.0	0.0	0.0	1.51
NE	0.0	0.43	0.36	0.07	0.0	0.0	0.0	0.0	0.86
NNE	0.07	0.29	0.22	0.0	0.0	0.0	0.0	0.0	0.58
E	0.07	0.22	0.51	0.07	0.0	0.0	0.0	0.0	0.87
ESE	1.07	0.65	0.80	0.29	0.0	0.0	0.0	0.0	1.81
SE	0.0	2.03	2.07	1.09	0.0	0.0	0.0	0.0	6.09
SSE	0.0	1.56	0.72	0.14	0.0	0.0	0.0	0.0	2.52
S	0.0	1.09	1.23	0.22	0.0	0.0	0.0	0.0	2.54
SSW	0.0	0.14	0.36	0.07	0.0	0.0	0.0	0.0	0.57
SW	0.0	0.36	0.43	0.07	0.0	0.0	0.0	0.0	0.96
WSW	0.0	0.36	0.36	0.43	0.29	0.0	0.0	0.0	1.44
W	0.0	0.29	1.23	0.58	0.07	0.0	0.0	0.0	2.17
WNW	0.0	0.29	0.44	0.22	0.22	0.0	0.0	0.0	1.67
NW	0.0	0.29	0.36	0.43	0.72	0.0	0.0	0.0	1.80
NNW	0.0	0.0	0.43	0.07	0.14	0.07	0.0	0.0	0.71
SUBTOTAL	0.28	9.26	17.44	4.47	2.23	0.21	0.0	0.0	28.89

CALC = 0.0

415 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

400 VALID WIND DIRECTIONS - WIND SPEED READINGS OUT OF TOTAL 415 STABILITY CLASS D OCCURRENCES

ALL COLUMNS ADD UP TO 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.70 MILES ESE OF BROWN'S FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

1.1.1. RESEARCH FACILITIES DEPENDENT DIRECTION AND WIND SPEED
 FREQUENCY STABILITY CLASSES

STABILITY CLASS E
 -0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MAY (74,75) WIND SPEED (MPH)								TOTAL
	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	
N	0.0	1.16	1.01	0.29	0.22	0.0	0.0	0.0	2.68
NE	0.22	1.09	0.94	0.29	0.07	0.07	0.0	0.0	2.66
ENE	0.22	0.65	0.22	0.0	0.0	0.0	0.0	0.0	0.87
E	0.22	0.51	0.07	0.0	0.0	0.0	0.0	0.0	0.80
ESE	0.0	0.87	0.43	0.07	0.0	0.0	0.0	0.0	1.37
SE	0.07	1.74	1.16	0.22	0.0	0.0	0.0	0.0	3.19
SSE	0.51	4.70	2.62	0.51	0.07	0.0	0.0	0.0	9.47
S	0.15	2.17	0.58	0.14	0.0	0.0	0.0	0.0	3.05
SSW	0.29	0.72	0.80	0.0	0.0	0.0	0.0	0.0	1.81
SW	0.0	0.87	0.22	0.0	0.0	0.0	0.0	0.0	1.09
WSW	0.22	0.51	0.0	0.0	0.0	0.0	0.0	0.0	0.73
W	0.0	0.72	0.36	0.07	0.14	0.07	0.0	0.0	1.36
WNW	0.0	0.72	0.29	0.14	0.0	0.0	0.0	0.0	1.22
NW	0.0	0.87	0.14	0.07	0.0	0.0	0.0	0.0	0.28
NNW	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
NN	0.22	0.72	0.51	0.07	0.14	0.0	0.0	0.0	1.66
SUBTOTAL	2.25	17.15	9.41	1.87	0.78	0.14	0.0	0.0	31.60

CALC = 0.0

*46 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

*37 VALID WIND DIRECTION AND WIND SPEED READINGS OUT OF TOTAL 446 STABILITY CLASS E OCCURRENCES

*ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JULY PERCENTAGE OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 ALL WINDS BELONG TO STABILITY CLASS F

STABILITY CLASS F
 1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWN'S FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

KEY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.36	0.29	0.22	0.07	0.0	0.0	0.0	0.0	0.94
NNE	0.43	0.72	0.36	0.0	0.0	0.0	0.0	0.0	1.51
NE	0.29	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.94
NNE	0.29	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.72
E	0.0	0.72	0.07	0.0	0.0	0.0	0.0	0.0	0.79
ESE	0.14	0.58	0.0	0.0	0.0	0.0	0.0	0.0	0.72
SE	0.36	1.16	0.14	0.07	0.0	0.0	0.0	0.0	1.73
SSF	0.22	0.51	0.0	0.0	0.0	0.0	0.0	0.0	0.73
S	0.07	0.51	0.0	0.0	0.0	0.0	0.0	0.0	0.58
SSW	0.07	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.36
SW	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.14	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.28
W	0.07	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.29
WNW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.07	0.29	0.0	0.0	0.0	0.07	0.0	0.0	0.43
WNW	0.14	0.14	0.14	0.0	0.0	0.0	0.0	0.0	0.42
SUBTOTAL	2.72	6.79	0.93	0.14	0.0	0.07	0.0	0.0	10.65

CALC = 0.36

158 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

155 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 158 STABILITY CLASS F OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES EAST OF BROWN'S FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS G
RELIA T > 4.0 DEG. C/10CM

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.6-1.4	1.5-2.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	24.5	
N	0.58	0.65	0.0	0.0	0.0	0.0	0.0	0.0	1.23
NNE	0.55	0.94	0.0	0.0	0.0	0.0	0.0	0.0	1.52
NE	0.22	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.36
NNE	0.30	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.72
E	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.43
SE	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.22
SSE	0.29	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.43
S	0.22	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.36
SSW	0.22	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.29
SA	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
W	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.21
SW	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.36	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.79
SUBTOTAL	5.32	3.73	0.0	0.0	0.0	0.0	0.0	0.0	7.05

CALC = 0.43

109 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

109 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 109 STABILITY CLASS G OCCURRENCES

ALL OCCURRENCES AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES EST OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
 SEE ALL OTHER DIRECTIONS

DRUMS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								
	0.1-1.4	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	1.01	2.73	2.73	1.29	1.37	0.14	0.0	0.0	9.27
NNE	1.22	3.38	2.81	0.86	0.14	0.07	0.0	0.0	8.48
NE	0.50	1.94	0.94	0.22	0.0	0.0	0.0	0.0	3.60
NNE	0.94	1.52	0.65	0.0	0.0	0.0	0.0	0.0	3.17
E	0.14	1.80	1.08	0.14	0.0	0.0	0.0	0.0	3.16
ENE	0.29	3.53	2.16	0.65	0.0	0.0	0.0	0.0	6.63
SE	0.56	5.21	4.35	1.87	0.07	0.0	0.0	0.0	20.36
SSE	0.94	5.18	2.81	0.29	0.0	0.0	0.0	0.0	9.22
S	0.56	2.81	2.88	0.50	0.07	0.0	0.0	0.0	6.91
SSW	0.29	1.51	1.15	0.14	0.0	0.0	0.0	0.0	3.04
S	0.22	1.29	0.86	0.07	0.0	0.0	0.0	0.0	2.44
SSW	0.29	1.44	1.15	0.72	0.50	0.07	0.0	0.0	4.17
W	0.14	1.29	2.30	1.22	0.36	0.0	0.0	0.0	5.31
WSW	0.22	0.58	1.73	0.66	0.58	0.0	0.0	0.0	3.97
W	0.22	0.72	0.58	1.08	1.87	0.14	0.07	0.0	4.68
WSW	0.72	1.51	1.22	0.36	0.72	0.22	0.0	0.0	4.75

SUBTOTAL 8.56 40.57 33.40 10.27 5.68 0.64 0.07 0.0 99.21

CALC = 0.79

1390 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 93.41 PERCENT

ALL COLUMNS ADD CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.72 MILES ESE OF DRUMS FERRY NUCLEAR PLANT
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

~~JUNE 1975 - 162 OCCURRENCES OF STABILITY CLASS A, WIND DIRECTION AND WIND SPEED
BY DIFFERENT STABILITY CLASSES~~

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JUNE (74,75)

WIND SPEED (MPH)

DIRECTION	0-4=1-4	1-5=3-4	2-5=5-4	5-5=7-4	7-5=12-4	12-5=18-4	18-5=24-4	>=24-5	TOTAL
#	0.0	0.0	0.47	0.47	0.24	0.0	0.0	0.0	1.18
N	0.0	0.0	0.16	0.08	0.08	0.0	0.0	0.0	0.32
NE	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.03
E	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.08
SE	0.0	0.0	0.40	0.40	0.32	0.0	0.0	0.0	1.12
S	0.0	0.24	0.95	0.55	0.24	0.0	0.0	0.0	1.98
SS	0.0	0.16	0.24	0.0	0.0	0.0	0.0	0.0	0.40
S	0.0	0.16	0.40	0.0	0.0	0.0	0.0	0.0	0.56
SS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.08	0.32	0.08	0.0	0.0	0.0	0.0	0.48
WSW	0.0	0.16	0.40	0.24	0.32	0.0	0.0	0.0	1.12
W	0.0	0.0	0.32	0.32	0.32	0.0	0.0	0.0	0.96
WSW	0.0	0.0	0.16	0.11	0.55	0.08	0.0	0.0	1.50
W	0.0	0.0	0.0	0.55	0.55	0.16	0.0	0.0	1.26
WNW	0.0	0.0	0.08	0.0	0.24	0.0	0.0	0.0	0.32
SUBTOTAL	0.0	0.68	4.06	3.48	2.86	0.24	0.0	0.0	11.52

CALC = 0.0

162 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1323 VALID TEMPERATURE DIFFERENCE READINGS

145 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 162 STABILITY CLASS A OCCURRENCES

ALL COLUMNS ADD UP TO 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 93 FEET ABOVE GROUND
WIND INSTRUMENTS AT 93 FEET ABOVE GROUND

MINI LOGS FOR FREQUENCIES OF WIND DIRECTION AND WIND SPEED
 STABILITY CLASSES

STABILITY CLASS B
 -1.0 < DELTA-T < -1.7 DEG. C/100M

BRIGANS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.0-1.6	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	
N	0.0	0.03	0.24	0.24	0.24	0.0	0.0	0.0	0.80
NNE	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.08
NE	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.16
ENE	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
E	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
ESE	0.0	0.08	0.0	0.16	0.16	0.0	0.0	0.0	0.40
SE	0.0	0.47	0.24	0.08	0.08	0.0	0.0	0.0	0.87
SSE	0.0	0.08	0.0	0.08	0.0	0.0	0.0	0.0	0.16
S	0.0	0.55	0.87	0.0	0.0	0.0	0.0	0.0	1.42
SSW	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.16
SW	0.0	0.16	0.40	0.0	0.0	0.0	0.0	0.0	0.56
WSW	0.0	0.0	0.55	0.16	0.16	0.0	0.0	0.0	0.87
W	0.0	0.0	0.16	0.0	0.24	0.0	0.0	0.0	0.40
WNW	0.0	0.0	0.32	0.08	0.16	0.0	0.0	0.0	0.56
NW	0.0	0.0	0.0	0.08	0.79	0.08	0.0	0.0	0.95
NNW	0.0	0.0	0.0	0.16	0.24	0.0	0.0	0.0	0.40
SUBTOTAL	0.0	1.50	3.16	1.12	2.07	0.08	0.0	0.0	7.95

CALC = 0.0

105 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1323 VALID TEMPERATURE DIFFERENCE READINGS

100 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 105 STABILITY CLASS B OCCURRENCES

ALL COLUMNS ADD TO CALC TOTAL 100 PERCENT OF NET VALID READINGS

INSTRUMENT FACILITY LOCATED 0.70 MILES ESE OF BRIGANS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS C
 -1.7 < DELTA-T <= -1.5 DEG. C/100M

BURNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JUNE (74,75)

WIND SPEED (MPH)

DIRECTION	0-4=1-4	1-4=3-4	2-5=5-4	5-5=7-4	7-5=12-4	12-5=18-4	18-5=24-4	24-5	TOTAL
N	0.0	0.0	0.08	0.16	0.32	0.0	0.0	0.0	0.56
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.08	0.16	0.0	0.0	0.0	0.0	0.24
SE	0.0	0.0	0.40	0.24	0.0	0.0	0.0	0.0	0.64
SSE	0.0	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.24
S	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.16
SSW	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
SW	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.16
WSW	0.0	0.0	0.24	0.16	0.0	0.0	0.0	0.0	0.40
W	0.0	0.0	0.32	0.16	0.08	0.0	0.0	0.0	0.56
WNW	0.0	0.0	0.08	0.08	0.08	0.0	0.0	0.0	0.24
NW	0.0	0.0	0.16	0.16	0.08	0.0	0.0	0.0	0.40
NNW	0.0	0.0	0.16	0.0	0.16	0.0	0.0	0.0	0.32
SUBTOTAL	0.0	0.48	2.00	1.12	0.72	0.0	0.0	0.0	4.32

CALC = 0.0

57 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1323 VALID TEMPERATURE DIFFERENCE READINGS

54 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 57 STABILITY CLASS C OCCURRENCES

ALL COLUMNS SHOW ONLY TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BURNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

DIRTIAL DESCRIPTION, ENVELOPES OF WIND DIRECTION AND WIND SPEED
 AT DIFFERENT STABILITY CLASSES

STABILITY CLASS D
 -1.0 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE 174, 75

DIRECTION	WIND SPEED (MPH)								TOTAL
	0.4-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4	
N	0.0	0.63	0.63	0.24	0.40	0.0	0.0	0.0	1.90
NE	0.0	0.08	0.24	0.0	0.0	0.0	0.0	0.0	0.32
ENE	0.0	0.16	0.16	0.0	0.0	0.0	0.0	0.0	0.32
E	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.16
ESE	0.0	0.24	0.71	0.63	0.08	0.0	0.0	0.0	1.68
SE	0.0	1.34	2.22	0.95	0.55	0.0	0.0	0.0	5.06
SSE	0.0	1.11	0.55	0.32	0.0	0.0	0.0	0.0	1.98
S	0.08	1.50	1.19	0.08	0.0	0.0	0.0	0.0	2.85
SSW	0.0	0.55	0.08	0.08	0.0	0.0	0.0	0.0	0.71
SW	0.08	0.47	0.16	0.0	0.0	0.0	0.0	0.0	0.71
WSW	0.0	1.03	1.03	0.47	0.32	0.0	0.0	0.0	2.85
W	0.0	0.24	2.14	1.27	0.55	0.0	0.0	0.0	4.20
WNW	0.0	0.0	0.24	0.40	0.55	0.08	0.0	0.0	1.27
NNW	0.0	0.08	0.32	0.47	0.63	0.08	0.0	0.0	1.54
NN	0.0	0.32	0.24	0.40	0.63	0.0	0.0	0.0	1.54
SUBTOTAL	0.16	8.07	10.15	5.31	3.71	0.16	0.0	0.0	27.56

CALC = 0.0

363 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1323 VALID TEMPERATURE DIFFERENCE READINGS

349 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 363 STABILITY CLASS D OCCURRENCES

ALL VALUES ARE CALCULATED AS PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.74 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 MM 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

111

WIND DIRECTION, WIND SPEED, AND WIND SPEED
DIFFERENCE STABILITY CLASSES

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL	
	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	5.5-6.4	6.5-7.4	7.5-8.4		
N	0.08	0.63	0.16	0.16	0.0	0.0	0.0	0.0	0.0	1.03
NE	0.16	0.71	0.16	0.24	0.08	0.0	0.0	0.0	0.0	1.33
ENE	0.08	0.55	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.87
E	0.16	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.48
ESE	0.0	0.40	0.32	0.08	0.0	0.0	0.0	0.0	0.0	0.80
SE	0.0	1.11	1.34	1.19	0.08	0.0	0.0	0.0	0.0	3.72
SSE	0.0	1.99	1.27	3.40	0.55	0.0	0.0	0.0	0.0	7.12
S	0.40	1.03	0.87	0.08	0.08	0.0	0.0	0.0	0.0	2.46
SSW	0.47	1.42	0.40	0.08	0.08	0.0	0.0	0.0	0.0	2.45
SW	0.24	0.79	0.16	0.0	0.08	0.0	0.0	0.0	0.0	1.27
WSW	0.16	1.03	0.08	0.0	0.0	0.0	0.0	0.0	0.0	1.27
W	0.08	0.71	0.71	0.0	0.08	0.0	0.0	0.0	0.0	1.58
WSW	0.08	1.11	1.11	0.08	0.08	0.0	0.0	0.0	0.0	2.46
W	0.08	0.47	0.16	0.16	0.08	0.0	0.0	0.0	0.0	0.95
WNW	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.16
NW	0.32	0.32	0.63	0.71	0.08	0.0	0.0	0.0	0.0	2.06
SUBTOTAL	2.51	12.58	7.69	6.16	1.27	0.0	0.0	0.0	0.0	30.03

CALC = 0.0

396 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1925 VALID TEMPERATURE DIFFERENCE READINGS

379 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 396 STABILITY CLASS E OCCURRENCES

ALL CORRECTIONS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 34 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND PERCENTAGE OCCURRENCES BY WIND DIRECTION AND WIND SPEED
FOR STABILITY CLASSES F

STABILITY CLASS F

1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JUNE (74,75)

DIREC	WIND SPEED (MPH)								TOTAL
DIRECTION	0-4=1-4	1-5=3-4	3-4=5-4	5-5=7-4	7-5=12-4	12-5=18-4	18-5=24-4	>24-5	TOTAL
N	0.08	0.63	0.16	0.0	0.0	0.0	0.0	0.0	0.87
NNE	0.24	1.74	0.71	0.24	0.0	0.0	0.0	0.0	2.93
NE	0.08	0.55	0.16	0.0	0.0	0.0	0.0	0.0	0.79
NNE	0.24	0.79	0.0	0.0	0.0	0.0	0.0	0.0	1.03
E	0.08	0.90	0.24	0.0	0.0	0.0	0.0	0.0	0.72
ESE	0.52	0.40	0.16	0.0	0.0	0.0	0.0	0.0	0.88
SE	0.0	0.40	0.24	0.0	0.0	0.0	0.0	0.0	0.72
SSE	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.16
S	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
SSW	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.24
SW	0.16	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.32
WSW	0.08	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.40
W	0.0	0.24	0.08	0.0	0.0	0.0	0.0	0.0	0.32
WNW	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.16
W	0.16	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.32
WNW	0.08	0.79	0.24	0.16	0.0	0.0	0.0	0.0	1.27
SUBTOTAL	1.52	7.14	1.99	0.56	0.0	0.0	0.0	0.0	11.21

CALC = 0.16

144 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1323 VALID TEMPERATURE DIFFERENCE READINGS

1-3 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 144 STABILITY CLASS F OCCURRENCES

ALL COLUMNS ADD CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 30 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4=1-4	4-7=3-4	7-9=5-4	9-12=7-4	12-15=12-4	15-18=18-4	18-24=24-4	>24=5	
N	0.24	1.42	0.16	0.0	0.0	0.0	0.0	0.0	1.82
NE	0.06	1.50	0.16	0.0	0.0	0.0	0.0	0.0	1.72
E	0.08	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.71
SE	0.16	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.86
S	0.0	0.47	0.16	0.0	0.0	0.0	0.0	0.0	0.63
SSW	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.05
S	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.16	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.48
WSW	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.16
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
W	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.16
WSW	0.27	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.59
SUBTOTAL	1.51	5.54	0.48	0.0	0.0	0.0	0.0	0.0	7.53

CALM = 0.0

95 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1323 VALID TEMPERATURE DIFFERENCE READINGS

95 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 96 STABILITY CLASS G OCCURRENCES

ALL COLUMNS ARE CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 55 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED

FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JUNE (74-75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-1-4	1-2-3-4	3-4-5-4	5-5-7-4	7-5-12-6	12-5-18-6	18-5-24-6	24-25	
N	0.38	3.65	1.90	1.37	1.22	0.0	0.0	0.0	8.52
NNE	0.46	4.18	1.67	0.61	0.15	0.0	0.0	0.0	7.07
NE	0.23	1.95	0.76	0.08	0.0	0.0	0.0	0.0	3.05
ENE	0.53	1.82	0.23	0.08	0.0	0.0	0.0	0.0	2.66
E	0.98	1.37	0.34	0.09	0.0	0.0	0.0	0.0	2.37
ESE	0.30	1.90	2.58	2.43	0.61	0.0	0.0	0.0	7.82
SE	0.15	4.26	5.62	5.17	1.37	0.0	0.0	0.0	16.57
SSE	0.36	2.53	1.82	0.85	0.08	0.0	0.0	0.0	5.32
S	0.38	3.65	2.61	0.15	0.08	0.0	0.0	0.0	7.69
SSW	0.23	1.69	0.38	0.08	0.08	0.0	0.0	0.0	2.37
SW	0.53	2.13	1.06	0.08	0.0	0.0	0.0	0.0	3.80
WSW	0.15	2.36	2.81	0.99	0.84	0.0	0.0	0.0	7.15
W	0.08	1.52	3.95	1.75	1.29	0.0	0.0	0.0	8.59
WNW	0.08	0.68	0.91	1.37	1.37	0.15	0.0	0.0	4.56
NW	0.15	0.46	0.61	1.60	2.13	0.30	0.0	0.0	5.25
NNW	0.54	1.62	1.52	1.67	1.37	0.0	0.0	0.0	7.22
SUM TOTAL	5.25	36.19	29.47	17.97	10.59	0.45	0.0	0.0	99.92

CALP = 0.15

1316 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 91.39 PERCENT

ALL COLUMNS AND CALP TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JULY 1975 OCCURRENCES OF AIR QUALITY CLASS A AND B
 ESTABLISHED STABILITY CLASSES

STABILITY CLASS A
 DILTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	0.1-1.4	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		
N	0.0	0.0	0.35	0.07	0.14	0.0	0.0	0.0	0.0	0.56
NNE	0.0	0.14	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.56
NE	0.0	0.14	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.56
ENE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.21	0.28	0.07	0.0	0.0	0.0	0.0	0.0	0.56
SE	0.0	1.19	1.40	0.49	0.07	0.0	0.0	0.0	0.0	3.15
SSE	0.0	0.63	0.56	0.0	0.0	0.0	0.0	0.0	0.0	1.19
S	0.0	0.42	0.56	0.0	0.0	0.0	0.0	0.0	0.0	1.05
SSW	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.21
SW	0.0	0.14	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.56
WSW	0.0	0.0	0.35	0.14	0.0	0.0	0.0	0.0	0.0	0.49
W	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.14	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.35
W	0.0	0.0	0.07	0.21	0.28	0.0	0.0	0.0	0.0	0.56
WNW	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.21
SUBTOTAL	0.0	3.29	5.11	1.19	0.56	0.0	0.0	0.0	0.0	10.15

CALC = 0.0

147 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

145 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 147 STABILITY CLASS A OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.1-1.4	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	
N	0.0	0.14	0.28	0.0	0.07	0.0	0.0	0.0	0.49
NE	0.0	0.35	0.07	0.07	0.07	0.0	0.0	0.0	0.56
E	0.0	0.14	0.14	0.0	0.0	0.0	0.0	0.0	0.28
ENE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.07	0.0	0.07	0.0	0.0	0.0	0.0	0.14
SE	0.0	0.49	0.76	0.0	0.0	0.0	0.0	0.0	1.19
SSE	0.07	0.49	0.35	0.0	0.0	0.0	0.0	0.0	0.91
S	0.0	0.21	0.63	0.0	0.0	0.0	0.0	0.0	0.84
SSW	0.0	0.21	0.14	0.0	0.0	0.0	0.0	0.0	0.35
SW	0.0	0.21	0.35	0.0	0.0	0.0	0.0	0.0	0.56
WSW	0.0	0.07	0.91	0.14	0.0	0.0	0.0	0.0	1.12
W	0.0	0.0	0.35	0.28	0.0	0.0	0.0	0.0	0.63
WSW	0.0	0.0	0.07	0.63	0.49	0.0	0.0	0.0	1.19
W	0.0	0.07	0.0	0.42	0.49	0.0	0.0	0.0	0.96
WNW	0.0	0.0	0.07	0.49	0.49	0.0	0.0	0.0	1.05
TOTAL	0.07	2.50	4.13	2.10	1.61	0.0	0.0	0.0	10.50

CALC = 0.0

151 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

150 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 151 STABILITY CLASS B OCCURRENCES

ALL VALUES ARE CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 100 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE OF OCCURRENCES BY WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
-1.7 < ΔPLA-TK < -1.5 DEG. C/100M

BROWN'S FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JULY (74, 75)

WIND SPEED (MPH)

DIRECTION	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	0.0	0.14	0.14	0.14	0.0	0.0	0.0	0.0	0.42
NE	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.21
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.14	0.07	0.07	0.0	0.0	0.0	0.0	0.28
SE	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.13
SSE	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.21
S	0.0	0.28	0.28	0.0	0.0	0.0	0.0	0.0	0.56
SSW	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
SW	0.0	0.07	0.21	0.0	0.0	0.0	0.0	0.0	0.28
WSW	0.0	0.14	0.28	0.0	0.0	0.0	0.0	0.0	0.42
W	0.0	0.0	0.28	0.14	0.0	0.0	0.0	0.0	0.42
WNW	0.0	0.0	0.07	0.21	0.0	0.0	0.0	0.0	0.28
WNW	0.0	0.0	0.14	0.14	0.28	0.0	0.0	0.0	0.56
WNW	0.0	0.07	0.0	0.0	0.07	0.0	0.0	0.0	0.14
SUBTOTAL	0.0	2.24	1.61	0.70	0.35	0.07	0.0	0.0	4.97

CALC = 0.0

72 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

71 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 72 STABILITY CLASS C OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWN'S FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JULY DIFFERENCE FREQUENCIES BY WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS D
 $-1.5 < \Delta T < -0.5$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								
	0.1-1.4	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	0.07	0.70	0.46	0.28	0.14	0.0	0.0	0.0	2.17
NE	0.0	0.42	0.42	0.07	0.0	0.0	0.0	0.0	0.91
ENE	0.0	0.49	0.14	0.0	0.0	0.0	0.0	0.0	0.63
E	0.0	0.21	0.26	0.0	0.07	0.0	0.0	0.0	0.56
ESE	0.0	0.04	0.49	0.21	0.42	0.0	0.0	0.0	0.77
SE	0.14	1.40	1.69	0.35	0.21	0.0	0.0	0.0	3.79
SSE	0.0	0.77	0.42	0.0	0.0	0.0	0.0	0.0	1.19
S	0.0	2.13	0.26	0.0	0.0	0.0	0.0	0.0	2.46
SSW	0.0	0.98	0.07	0.0	0.0	0.0	0.0	0.0	1.05
SW	0.14	0.56	0.35	0.0	0.0	0.0	0.0	0.0	1.05
WSW	0.0	1.62	1.40	0.21	0.0	0.0	0.0	0.0	3.23
W	0.0	0.98	1.47	1.05	0.0	0.0	0.0	0.0	3.50
WNW	0.0	0.35	0.98	0.63	0.28	0.0	0.0	0.0	2.24
W	0.0	0.14	0.42	0.77	0.35	0.0	0.0	0.0	1.68
WSW	0.07	0.42	0.77	0.42	0.21	0.0	0.0	0.0	1.89
SUBTOTAL	0.42	12.06	10.72	4.13	1.75	0.0	0.0	0.0	29.06

CALN = 0.0

417 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

415 VALID WIND DIRECTIONS - WIND SPEED READINGS OUT OF TOTAL 417 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALN TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS E OCCURRENCES OF WIND DIRECTION AND WIND SPEED
 ALL WIND SPEED STABILITY CLASS E

STABILITY CLASS E
 -0.55 DELTA-TK= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JULY (74,75)

WIND SPEED (MPH)

DIRECTION	0.4-1.4	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	0.21	0.98	0.35	0.35	0.35	0.0	0.0	0.0	2.74
NNE	0.21	0.77	0.42	0.0	0.0	0.0	0.0	0.0	1.40
NE	0.14	0.49	0.21	0.0	0.0	0.0	0.0	0.0	0.84
ENE	0.35	0.70	0.14	0.0	0.0	0.0	0.0	0.0	1.19
E	0.0	0.56	0.56	0.21	0.07	0.0	0.0	0.0	1.40
ESE	0.0	0.70	0.84	0.49	0.84	0.0	0.0	0.0	2.87
SE	0.21	1.97	1.19	0.28	0.49	0.0	0.0	0.0	4.14
SSE	0.42	0.56	0.07	0.21	0.0	0.0	0.0	0.0	1.22
S	0.28	0.84	0.0	0.0	0.0	0.0	0.0	0.0	1.12
SSW	0.42	0.91	0.07	0.0	0.0	0.0	0.0	0.0	1.40
SW	0.14	0.84	0.0	0.0	0.0	0.0	0.0	0.0	0.98
WSW	0.07	1.26	0.14	0.0	0.0	0.0	0.0	0.0	1.47
W	0.0	1.19	1.90	0.42	0.0	0.0	0.0	0.0	3.51
WNW	0.07	0.14	0.42	0.07	0.0	0.0	0.0	0.0	0.70
AW	0.14	0.0	0.35	0.0	0.14	0.0	0.0	0.0	0.63
WNW	0.21	1.33	0.91	0.07	0.0	0.0	0.0	0.0	2.52
SUBTOTAL	2.94	13.24	7.57	2.10	1.89	0.0	0.0	0.0	27.74

CALN = 0.21

400 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

399 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 400 STABILITY CLASS E OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JULY PERCENTAGE FREQUENCIES BY WIND DIRECTION AND WIND SPEED

SEE ATTACHED STABILITY CLASSES

STABILITY CLASS F

1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWN'S FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JULY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0.0-1.4	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	0.21	1.40	0.28	0.28	0.0	0.0	0.0	0.0	2.17
NE	0.14	1.62	0.07	0.0	0.0	0.0	0.0	0.0	1.83
E	0.28	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.84
ESE	0.07	0.99	0.0	0.0	0.0	0.0	0.0	0.0	1.06
E	0.07	0.77	0.07	0.0	0.0	0.0	0.0	0.0	0.91
ESE	0.07	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.28
SE	0.14	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.35
SSE	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
S	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
SSW	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.21
SW	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.21
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.21
WNW	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.35
W	0.21	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.49
WNW	0.21	0.77	0.35	0.07	0.0	0.0	0.0	0.0	1.34
SOUTHERLY	1.22	1.50	0.91	0.35	0.0	0.0	0.0	0.0	10.58

CALC = 0.07

152 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

152 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 152 STABILITY CLASS F OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWN'S FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND

WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND DIRECTION, WIND SPEED, STABILITY CLASS, AND WIND SPEED
 FREQUENCY STABILITY CLASSES

STABILITY CLASS G
 RELIA T > 4.0 DEG. C/100M

BURNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JULY (74,75)

WIND SPEED (MPH)

DIRECTION	0.5-1.4	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	0.46	1.26	0.0	0.23	0.0	0.0	0.0	0.0	2.05
NNE	0.35	1.54	0.0	0.07	0.0	0.0	0.0	0.0	1.96
NE	0.07	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.77
NNE	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.35
E	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.23
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.36	4.55	0.0	0.35	0.0	0.0	0.0	0.0	6.30

CALC = 0.14

92 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

92 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 92 STABILITY CLASS G OCCURRENCES

ALL COLUMNS ARE CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES EAST OF BURNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABLV. GROUND

PERCENT OCCURRENCE OF WIND SPEED

FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JULY (74,75)

WIND DIRECTION	WIND SPEED (KPH)								TOTAL
	0.5-1.4	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	
N	0.96	4.52	2.40	1.37	0.68	0.0	0.0	0.0	9.93
NNE	0.58	4.93	1.37	0.21	0.07	0.0	0.0	0.0	7.26
NE	0.55	2.74	0.89	0.0	0.0	0.0	0.0	0.0	4.18
NNE	0.41	2.33	0.41	0.0	0.07	0.0	0.0	0.0	3.22
E	0.07	1.64	1.64	0.41	0.14	0.0	0.0	0.0	3.90
ESE	0.07	2.19	1.71	0.62	1.37	0.0	0.0	0.0	6.16
SE	0.48	5.62	4.93	1.16	0.75	0.0	0.0	0.0	13.14
SSE	0.66	2.88	1.44	0.21	0.0	0.0	0.0	0.0	5.21
S	0.41	5.97	1.78	0.0	0.0	0.0	0.0	0.0	6.16
SSW	0.41	2.53	0.41	0.0	0.0	0.0	0.0	0.0	3.35
SW	0.34	1.99	1.30	0.0	0.0	0.0	0.0	0.0	3.63
WSW	0.07	3.29	3.08	0.48	0.0	0.0	0.0	0.0	6.92
W	0.07	2.26	4.32	1.65	0.0	0.0	0.0	0.0	8.50
WNW	0.07	0.96	1.64	1.71	0.89	0.0	0.0	0.0	5.27
W	0.34	0.41	1.10	1.51	1.51	0.0	0.0	0.0	4.87
WNW	0.96	2.81	2.12	1.16	0.75	0.07	0.0	0.0	7.87
SUBTOTAL	6.57	45.27	30.54	10.89	6.23	0.07	0.0	0.0	99.57
CALM =	0.41								

1460 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1468 TOTAL HOURS = 98.12 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.79 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TESTED INSTRUMENTS AT 33 FEET ABOVE GROUND

LIST RECORDS OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 BY DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
 DELTA T = -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.4-1.4	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	
N	0.0	0.0	0.14	0.07	0.14	0.0	0.0	0.0	0.35
NE	0.0	0.07	0.14	0.14	0.0	0.0	0.0	0.0	0.35
E	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.14	0.64	0.57	0.07	0.0	0.0	0.0	1.42
SE	0.0	0.57	3.18	0.42	0.07	0.0	0.0	0.0	4.24
SSW	0.0	0.57	1.84	0.14	0.0	0.0	0.0	0.0	2.55
S	0.07	0.14	1.06	0.0	0.0	0.0	0.0	0.0	1.27
SSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.42
W	0.0	0.07	0.21	0.21	0.0	0.0	0.0	0.0	0.49
WNW	0.0	0.0	0.28	0.14	0.07	0.0	0.0	0.0	0.49
NW	0.0	0.0	0.07	0.07	0.21	0.0	0.0	0.0	0.35
NW	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.21
SUBTOTAL	0.07	1.63	8.26	1.76	0.77	0.0	0.0	0.0	12.49

CALC = 0.07

178 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

178 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 178 STABILITY CLASS A OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.4-1.4	1.4-3.4	3.4-5.4	5.4-7.4	7.4-12.4	12.5-18.4	18.5-24.4	>24.5	
N	0.0	0.0	0.23	0.07	0.0	0.0	0.0	0.0	0.35
NE	0.0	0.0	0.14	0.28	0.0	0.0	0.0	0.0	0.42
E	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.28	0.14	0.0	0.0	0.0	0.0	0.0	0.42
S	0.0	0.25	0.49	0.07	0.0	0.0	0.0	0.0	1.41
SSW	0.0	0.57	0.57	0.0	0.0	0.0	0.0	0.0	1.14
SW	0.0	0.14	0.42	0.0	0.0	0.0	0.0	0.0	0.56
SSW	0.0	0.07	0.21	0.0	0.0	0.0	0.0	0.0	0.28
SW	0.0	0.14	0.14	0.0	0.0	0.0	0.0	0.0	0.28
WSW	0.0	0.07	0.57	0.0	0.0	0.0	0.0	0.0	0.64
W	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.0	0.42	0.35	0.21	0.0	0.0	0.0	0.95
W	0.0	0.0	0.42	0.35	0.07	0.0	0.0	0.0	0.84
WSW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SUBTOTAL	0.0	2.26	3.87	1.19	0.35	0.0	0.0	0.0	7.67

CALC = 0.0

110 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1426 VALID TEMPERATURE DIFFERENCE READINGS

107 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 110 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CARS TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

TABLE PRESENTS ALL OCCURRENCES OF WIND DIRECTION AND WIND SPEED
 EQUILIBRIUM STABILITY CLASSES *

STABILITY CLASS D
 -1.5 < DELTA-T <= -0.5 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4=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	
N	0.07	0.42	0.07	0.07	0.0	0.07	0.0	0.0	0.70
NE	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.35
E	0.07	0.42	0.14	0.0	0.0	0.0	0.0	0.0	0.63
ENE	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.21
E	0.07	0.28	0.07	0.0	0.0	0.0	0.0	0.0	0.42
ESE	0.07	0.28	0.09	0.71	0.07	0.0	0.0	0.0	2.69
SE	0.0	1.91	2.33	0.64	0.14	0.0	0.0	0.0	5.02
SSE	0.0	2.47	1.06	0.0	0.0	0.0	0.0	0.0	3.53
S	0.0	2.89	0.78	0.07	0.0	0.0	0.0	0.0	3.84
SSW	0.07	1.13	0.71	0.07	0.0	0.0	0.0	0.0	1.98
SW	0.0	0.92	0.23	0.0	0.0	0.0	0.0	0.0	1.20
WSW	0.07	1.41	1.20	0.14	0.0	0.0	0.0	0.0	2.82
W	0.0	0.42	1.41	0.28	0.0	0.0	0.0	0.0	2.11
WS	0.0	0.07	0.42	0.21	0.14	0.0	0.0	0.0	0.84
W	0.0	0.0	1.07	0.28	0.07	0.07	0.0	0.0	0.59
WNW	0.0	0.0	0.35	0.14	0.14	0.0	0.0	0.0	0.63
SUBTOTAL	0.42	13.79	6.95	2.61	0.56	0.14	0.0	0.0	27.16

CALC = 0.07

392 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1423 VALID TEMPERATURE DIFFERENCE READINGS

385 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 392 STABILITY CLASS D OCCURRENCES

ALL COLUMNS ADD UP TO 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
 -1.7 < DELTA-T < -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

AUGUST (74,75)

WIND DIRECTION	0.5-1.4	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	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
NNE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.14	0.14	0.0	0.0	0.0	0.0	0.28
SE	0.0	0.64	0.35	0.14	0.0	0.0	0.0	0.0	1.13
SSE	0.0	0.29	0.14	0.0	0.0	0.0	0.0	0.0	0.42
S	0.0	0.21	0.14	0.0	0.0	0.0	0.0	0.0	0.35
SSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.07	0.28	0.0	0.0	0.0	0.0	0.0	0.35
W	0.0	0.0	0.28	0.07	0.0	0.0	0.0	0.0	0.35
WNW	0.0	0.14	0.21	0.35	0.07	0.0	0.0	0.0	0.77
W	0.0	0.0	0.28	0.07	0.07	0.0	0.0	0.0	0.42
WSW	0.0	0.07	0.0	0.21	0.0	0.0	0.0	0.0	0.28
SUBTOTAL	0.0	1.55	1.96	1.12	0.14	0.0	0.0	0.0	4.77

CALC = C.C

69 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1426 VALID TEMPERATURE DIFFERENCE READINGS

68 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 69 STABILITY CLASS C OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.72 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 110 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS E OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 PER STABILITY CLASSES *

STABILITY CLASS E
 -0.5 < DELTA-T < 1.5 DEG. C/100F

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	AUGUST (74,75)								TOTAL
	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-12.4	12.5-16.4	16.5-24.4	>24.5	
N	0.07	0.57	0.49	0.21	0.0	0.0	0.0	0.0	1.34
NE	0.23	1.06	0.07	0.0	0.0	0.0	0.0	0.0	1.41
E	0.14	0.49	0.14	0.0	0.0	0.0	0.0	0.0	0.77
ENE	0.14	0.49	0.21	0.0	0.0	0.0	0.0	0.0	1.34
ESE	0.0	1.20	0.57	0.0	0.0	0.0	0.0	0.0	1.77
S	0.0	1.70	1.27	0.35	0.21	0.0	0.0	0.0	3.53
SSE	0.35	3.89	2.33	0.99	0.14	0.0	0.0	0.0	7.76
SWS	0.0	1.06	0.21	0.07	0.0	0.0	0.0	0.0	1.34
S	0.0	1.06	0.0	0.0	0.0	0.0	0.0	0.0	1.06
SSW	0.23	1.41	0.07	0.0	0.0	0.0	0.0	0.0	1.73
SW	0.14	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.92
WSW	0.57	1.27	0.35	0.07	0.07	0.0	0.0	0.0	1.83
W	0.07	1.27	1.34	0.0	0.0	0.0	0.0	0.0	2.68
WNW	0.0	0.07	0.07	0.0	0.07	0.0	0.0	0.0	0.21
W	0.07	0.14	0.21	0.07	0.0	0.0	0.0	0.0	0.49
WNW	0.0	0.35	0.14	0.07	0.07	0.0	0.0	0.0	0.63
SUBTOTAL	1.41	17.33	7.47	1.73	0.56	0.0	0.0	0.0	25.85

CALC = 0.07

415 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

410 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 415 STABILITY CLASS E OCCURRENCES

ALL COLUMNS ADD CALC TOTAL TO GET PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F

1.5 < DELTA-T <= 4.0 DEG. C/100M

HOWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.21	0.42	0.07	0.07	0.0	0.0	0.0	0.0	0.77
NE	0.14	1.13	0.35	0.0	0.0	0.0	0.0	0.0	1.62
E	0.07	0.49	0.07	0.0	0.0	0.0	0.0	0.0	0.63
SE	0.14	1.38	0.0	0.0	0.0	0.0	0.0	0.0	1.62
S	0.0	1.77	0.78	0.0	0.0	0.0	0.0	0.0	2.55
SW	0.0	0.64	0.14	0.0	0.0	0.0	0.0	0.0	0.78
W	0.07	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.35
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21
WS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.21
WNW	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
WNW	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.21
WNW	0.14	0.0	0.26	0.14	0.0	0.0	0.0	0.0	0.54
SUBTOTAL	1.19	6.62	1.90	0.21	0.0	0.0	0.0	0.0	9.72

CALC = 0.0

138 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

138 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 138 STABILITY CLASS F OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF HOWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 190 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS G
 DELTA T > 4.8 DEG. C/100H

PROSAS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								
	0.4-1.4	1.5-2.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>24.5	TOTAL
A	0.78	1.20	0.14	0.0	0.0	0.0	0.0	0.0	2.12
Ab	0.04	1.78	0.0	0.0	0.0	0.0	0.0	0.0	2.34
Bc	0.28	0.57	0.9	0.0	0.0	0.0	0.0	0.0	0.85
Ebc	0.14	0.99	0.0	0.0	0.0	0.0	0.0	0.0	1.13
F	0.0	0.35	0.07	0.0	0.0	0.0	0.0	0.0	0.42
ESF	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
Sc	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SSc	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
S	0.14	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.35
SSW	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
SW	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
Wc	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21
WSW	0.28	0.14	0.07	0.07	0.0	0.0	0.0	0.0	0.56
SUBTOTAL	3.03	5.44	0.25	0.07	0.0	0.0	0.0	0.0	8.82

CALC = 0.07

126 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

126 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 126 STABILITY CLASS G OCCURRENCES

* ALL COLUMNS ADD CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES EAST OF PROSAS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 100 AND 50 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENT OCCURRENCE LE WIND SPEED

FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								
	0.0-1.4	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	1.10	2.60	1.30	0.55	0.14	0.07	0.0	0.0	5.76
NNE	1.03	4.11	0.75	0.34	0.0	0.0	0.0	0.0	6.23
NE	0.55	2.05	0.48	0.14	0.0	0.0	0.0	0.0	3.22
NNE	0.41	3.56	0.27	0.0	0.0	0.0	0.0	0.0	4.24
E	0.07	3.70	1.51	0.0	0.0	0.0	0.0	0.0	5.28
ESE	0.14	3.70	2.22	1.73	0.34	0.0	0.0	0.0	9.18
E	0.48	6.01	2.62	2.19	0.34	0.0	0.0	0.0	19.64
SSE	0.07	5.27	3.97	0.21	0.0	0.0	0.0	0.0	9.52
S	0.41	4.74	2.53	0.07	0.0	0.0	0.0	0.0	7.86
SSW	0.55	2.74	1.03	0.07	0.0	0.0	0.0	0.0	4.33
SW	0.41	1.93	0.55	0.0	0.0	0.0	0.0	0.0	2.94
WSW	0.14	2.81	2.81	0.21	0.07	0.0	0.0	0.0	6.04
W	0.14	1.96	3.35	0.02	0.0	0.0	0.0	0.0	6.09
WNW	0.21	0.48	1.37	1.03	0.55	0.0	0.0	0.0	3.64
W	0.27	0.21	1.16	0.62	0.41	0.07	0.0	0.0	2.94
WNW	0.41	0.55	0.82	0.62	0.48	0.0	0.0	0.0	2.88
SUBTOTAL	6.39	48.54	33.74	8.65	2.33	0.14	0.0	0.0	99.79
CALM =	0.27								

1461 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1468 TOTAL HOURS = 98.19 PERCENT

ALL VALUES AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET AT 107' GAUGED

STABILITY CLASS A OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 FREQUENCY STABILITY CLASSES

STABILITY CLASS A
 DELTA T < -1.9 DEG. C/100F

ROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

SEPT. (74,75)

WIND DIRECTION	0.4-1.4	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	0.0	0.0	0.15	0.30	0.22	0.0	0.0	0.0	0.67
NNE	0.0	0.15	0.22	0.37	0.37	0.0	0.0	0.0	1.11
NE	0.0	0.07	0.0	0.0	0.07	0.0	0.0	0.0	0.14
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.30	0.07	0.07	0.0	0.0	0.0	0.44
SE	0.0	0.07	1.71	0.07	0.07	0.0	0.0	0.0	1.92
SSE	0.0	0.45	0.89	0.07	0.07	0.0	0.0	0.0	1.48
S	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
SW	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.15
WSW	0.0	0.07	0.0	0.07	0.0	0.0	0.0	0.0	0.14
W	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.15	0.15	0.0	0.0	0.0	0.30
W	0.0	0.0	0.0	0.15	0.52	0.0	0.0	0.0	0.67
WNW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
SUBTOTAL	0.0	0.81	4.53	1.46	1.54	0.0	0.0	0.0	8.34

CALC = 0.0

116 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1571 VALID TEMPERATURE DIFFERENCE READINGS

116 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 116 STABILITY CLASS A OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF ROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

100% OCCURRENCE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
 FROM DIRECT STABILITY CLASSES

STABILITY CLASS B

-1.9 < DELTA-T < -1.7 DEG. C/100M

BROWN FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.4-1.4	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	
N	0.0	0.0	0.30	0.15	0.22	0.07	0.0	0.0	0.74
NNE	0.0	0.15	0.22	0.30	0.15	0.0	0.0	0.0	0.82
NE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
N.E.E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.07	0.15	0.0	0.0	0.0	0.0	0.0	0.22
SE	0.0	0.22	0.45	0.07	0.0	0.0	0.0	0.0	0.74
SSE	0.0	0.30	0.37	0.07	0.0	0.0	0.0	0.0	0.74
S	0.0	0.15	0.22	0.0	0.0	0.0	0.0	0.0	0.37
SSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.15
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.07	0.45	0.07	0.0	0.0	0.0	0.59
WNW	0.0	0.0	0.0	0.07	0.52	0.0	0.0	0.0	0.59
W	0.0	0.0	0.0	0.15	0.89	0.0	0.0	0.0	1.04
WNW	0.0	0.0	0.07	0.37	0.52	0.0	0.0	0.0	0.96
TOTAL	0.0	1.6	1.85	1.77	2.37	0.07	0.0	0.0	7.10

CALC = 0.0

100% STABILITY CLASS B OCCURRENCES BUT NOT TOTAL 1971 VALID TEMPERATURE DIFFERENCE READINGS

96 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 100% STABILITY CLASS B OCCURRENCES

ALL CELLS ARE CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWN FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 150 AND 35 FEET ABOVE GROUND

WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND SPEED AND DIRECTION FREQUENCIES BY WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
 -1.7 < DELTA-T < -1.5 DEG. C/100M

BROWN'S FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4=1-4	5-9=3-4	10-14=5-4	15-19=7-4	20-24=12-4	25-29=18-4	30-34=24-4	35-39=24-5	
N	0.0	0.07	0.15	0.22	0.07	0.07	0.0	0.0	0.58
NNE	0.0	0.15	0.07	0.07	0.22	0.0	0.0	0.0	0.51
NE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.21
SE	0.0	0.15	0.22	0.0	0.0	0.0	0.0	0.0	0.37
SSE	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.37
S	0.0	0.30	0.07	0.0	0.0	0.0	0.0	0.0	0.37
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
W	0.0	0.0	0.15	0.15	0.67	0.22	0.0	0.0	1.19
WNW	0.0	0.0	0.15	0.45	0.89	0.07	0.07	0.0	1.63
SUBTOTAL	0.0	1.19	0.95	1.03	1.92	0.36	0.07	0.0	5.51

CALC = 0.0

77 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1371 VALID TEMPERATURE DIFFERENCE READINGS

75 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 77 STABILITY CLASS C OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.7M MILES ESE OF BROWN'S FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED

FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS D

-1.5 < DELTA-T <= 0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)									
	0-6-14	14-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	TOTAL
N	0.15	0.30	0.67	2.01	1.86	0.07	0.0	0.0	0.0	5.06
NE	0.07	0.57	1.27	0.89	0.37	0.0	0.0	0.0	0.0	3.27
E	0.0	0.30	0.82	0.37	0.0	0.0	0.0	0.0	0.0	1.49
SE	0.0	0.37	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.59
S	0.0	0.52	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.89
SW	0.0	0.82	1.12	0.37	0.07	0.0	0.0	0.0	0.0	2.38
W	0.0	1.79	1.41	0.82	0.45	0.0	0.0	0.0	0.0	4.47
WNW	0.0	1.27	0.52	0.15	0.0	0.0	0.0	0.0	0.0	1.94
WSW	0.0	0.45	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.05
WS	0.0	0.30	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.60
WSW	0.07	0.30	0.30	0.07	0.15	0.0	0.0	0.0	0.0	0.89
WSW	0.0	0.22	0.37	0.15	0.0	0.0	0.0	0.0	0.0	0.74
WSW	0.0	0.45	0.45	0.07	0.07	0.0	0.0	0.0	0.0	1.06
WSW	0.0	0.15	0.30	0.07	0.22	0.07	0.0	0.0	0.0	0.81
WSW	0.0	0.15	0.07	0.15	0.30	0.22	0.0	0.0	0.0	0.89
WSW	0.0	0.67	0.52	0.62	1.12	0.07	0.0	0.0	0.0	3.20
SUBTOTAL	0.29	8.73	9.31	5.94	4.61	0.43	0.0	0.0	0.0	29.31

CALM = 0.0

403 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1371 VALID TEMPERATURE DIFFERENCE READINGS

394 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 403 STABILITY CLASS D OCCURRENCES

ALL COLUMNS ARE CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES EAST OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 150 AND 50 FEET ABOVE GROUND

WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND DIRECTION AND WIND SPEED
 STABILITY CLASS E

STABILITY CLASS E
 -0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

SEPT. (74, 75)

WIND SPEED (MPH)

DIRECTION	0-6=1-6	7-12=3-6	13-18=5-6	19-24=7-6	25-30=12-6	31-36=18-6	37-42=24-6	43-48=24-6	HEAVY
R	0.0	0.74	0.97	0.74	0.45	0.0	0.0	0.0	2.90
NE	0.22	1.56	0.67	0.37	0.30	0.0	0.0	0.0	3.12
E	0.22	0.52	0.74	0.15	0.45	0.0	0.0	0.0	2.08
SE	0.15	1.56	0.22	0.0	0.0	0.0	0.0	0.0	1.93
S	0.07	1.41	0.97	0.07	0.0	0.0	0.0	0.0	2.52
SW	0.15	0.97	2.08	1.19	0.0	0.0	0.0	0.0	4.39
W	0.15	1.64	1.56	0.30	0.0	0.0	0.0	0.0	3.05
NW	0.07	0.52	0.45	0.0	0.0	0.0	0.0	0.0	1.04
SSE	0.07	0.37	0.52	0.15	0.0	0.0	0.0	0.0	1.11
SSW	0.0	0.15	0.07	0.07	0.0	0.0	0.0	0.0	0.29
WSW	0.07	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.44
WS	0.0	0.22	0.07	0.07	0.0	0.0	0.0	0.0	0.36
WNW	0.0	0.07	0.22	0.07	0.0	0.0	0.0	0.0	0.37
NNE	0.07	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.14
NNE	0.15	0.45	0.15	0.0	0.15	0.0	0.0	0.0	0.90
ENE	0.0	0.0	0.45	0.22	0.07	0.0	0.0	0.0	1.34
SUBTOTAL	1.39	11.15	6.21	3.40	1.42	0.0	0.0	0.0	26.57

CALC = 0.0

363 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1371 VALID TEMPERATURE DIFFERENCE READINGS

356 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 363 STABILITY CLASS E OCCURRENCES

ALL COLUMNS ADD TO TOTAL 100 PERCENT OF NET VALID READINGS

NETED METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 100 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

MULTI-PERSONAL RECORDS OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/10CM

YONKAS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6=1-4	1-6=3-4	3-6=5-4	5-6=7-4	7-6=12-4	12-6=18-4	18-6=24-4	>24-5	
N	0.07	0.82	0.74	0.27	0.07	0.0	0.0	0.0	2.07
NNE	0.22	0.97	0.74	0.15	0.0	0.0	0.0	0.0	2.08
NE	0.0	1.19	0.30	0.07	0.0	0.0	0.0	0.0	1.56
NNE	0.07	1.34	0.07	0.0	0.0	0.0	0.0	0.0	1.48
E	0.0	1.71	0.74	0.0	0.0	0.0	0.0	0.0	2.45
ESE	0.0	0.60	0.07	0.07	0.0	0.0	0.0	0.0	0.74
SE	0.15	0.45	0.15	0.0	0.0	0.0	0.0	0.0	0.75
SSE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
S	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.37
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.15
W	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.15
WNW	0.0	0.50	0.52	0.30	0.07	0.0	0.0	0.0	1.19
SUBTOTAL	0.50	6.12	3.33	0.96	0.14	0.0	0.0	0.0	13.13

CALC = 0.0

100 STABILITY CLASS F OCCURRENCES PUT IF TOTAL 1571 VALID TEMPERATURE DIFFERENCE READINGS

177 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 100 STABILITY CLASS F OCCURRENCES

ALL CELLS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF YONKAS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 TO 32 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS G
DELTA T > 4.0 DEG. C/10CM

BRUNNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND SPEED (MPH)

DIRECTION	0.6-1.6	1.6-2.4	3.4-5.4	5.4-7.4	7.4-12.4	12.4-18.4	18.4-24.4	≥24.5	TOTAL
N	0.45	1.70	0.60	0.15	0.0	0.0	0.0	0.0	2.90
NNE	0.0	1.86	0.30	0.0	0.0	0.0	0.0	0.0	2.16
NE	0.22	0.30	0.07	0.0	0.0	0.0	0.0	0.0	0.59
NNE	0.0	1.34	0.0	0.0	0.0	0.0	0.0	0.0	1.34
E	0.22	0.00	0.15	0.0	0.0	0.0	0.0	0.0	0.47
ESE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.15	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.30
SSE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.07	0.45	0.30	0.15	0.0	0.0	0.0	0.0	0.97
SUBTOTAL:	1.29	6.70	1.42	0.30	0.0	0.0	0.0	0.0	9.61

CAL* = 0.0

131 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1371 VALID TEMPERATURE DIFFERENCE READINGS

130 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 131 STABILITY CLASS G OCCURRENCES

ALL COLUMNS ADD TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.70 MILES EST OF BRUNNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 32 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

SEPT. (1975)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.1-1.4	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	
N	0.86	3.64	3.64	3.86	2.84	0.22	0.0	0.0	14.86
NNE	0.51	5.44	2.42	2.18	1.39	0.0	0.0	0.0	12.95
NE	0.44	2.40	1.99	0.66	0.51	0.0	0.0	0.0	5.90
ENE	0.22	4.52	0.51	0.07	0.0	0.0	0.0	0.0	5.32
E	0.29	4.22	2.26	0.22	0.0	0.0	0.0	0.0	6.99
ESE	1.15	2.48	3.79	1.75	0.22	0.0	0.0	0.0	8.39
SE	0.44	4.44	5.39	1.24	0.51	0.0	0.0	0.0	12.02
SSE	0.07	2.49	2.40	0.29	0.07	0.0	0.0	0.0	5.62
S	0.15	1.24	2.40	0.22	0.0	0.0	0.0	0.0	4.01
SSW	0.0	0.52	0.58	0.15	0.0	0.0	0.0	0.0	1.31
SW	0.15	1.17	0.51	0.07	0.15	0.0	0.0	0.0	2.05
WSW	0.0	0.51	0.44	0.35	0.0	0.0	0.0	0.0	1.31
W	0.0	0.51	0.87	0.87	0.22	0.0	0.0	0.0	2.47
WNW	0.15	0.36	0.44	0.44	0.87	0.07	0.0	0.0	2.33
W	0.22	0.79	0.36	0.66	2.55	0.44	0.0	0.0	4.96
WNW	0.07	1.97	1.97	2.33	2.77	0.15	0.07	0.0	9.33
SUBTOTAL	3.52	37.22	30.87	15.37	12.09	0.88	0.07	0.0	100.02

CALC = 0.0

1373 VALID WIND DIRECTIONS - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 95.35 PERCENT

ALL VALUES AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS A WIND DIRECTION AND WIND SPEED
BY DIFFERENTIAL STABILITY CLASSES

STABILITY CLASS A
DELTA TC = -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74, 75)
WIND SPEED (MPH)

WIND DIRECTION	0.5-1.4	1.5-2.4	2.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>24.5	TOTAL
N	0.0	0.0	0.0	0.21	0.36	0.14	0.0	0.0	0.71
NNE	0.0	0.0	0.07	0.0	0.72	0.0	0.0	0.0	0.79
NE	0.0	0.07	0.07	0.07	0.07	0.0	0.0	0.0	0.28
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.07	0.21	0.0	0.0	0.0	0.0	0.28
SE	0.0	0.29	1.57	0.64	0.21	0.0	0.0	0.0	2.71
SSE	0.0	0.29	1.00	0.07	0.0	0.0	0.0	0.0	1.36
S	0.0	0.29	0.29	0.0	0.0	0.0	0.0	0.0	0.58
SSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WNE	0.0	0.0	0.14	0.14	0.36	0.0	0.0	0.0	0.64
W	0.0	0.0	0.07	0.0	0.07	0.07	0.0	0.0	0.21
WSW	0.0	0.0	0.0	0.0	0.14	0.07	0.0	0.0	0.21
SUBTOTAL	0.0	1.15	2.35	1.34	1.93	0.28	0.0	0.0	8.05

CALC = 0.0

118 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1417 VALID TEMPERATURE DIFFERENCE READINGS

113 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 118 STABILITY CLASS A OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

*FEDERAL FACILITY LOCATED 0.70 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

92 STABILITY CLASS B OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 92 STABILITY CLASS B OCCURRENCES BY WIND DIRECTION AND WIND SPEED

STABILITY CLASS B
 -1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

OCTOBER (74, 75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	0.0	0.0	0.29	0.07	0.36	0.0	0.0	0.0	0.72
NE	0.0	0.0	0.14	0.0	0.07	0.0	0.0	0.0	0.21
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.14	0.21	0.07	0.0	0.0	0.0	0.0	0.42
SSA	0.0	0.57	0.43	0.07	0.0	0.0	0.0	0.0	1.07
Sa	0.0	0.57	0.14	0.0	0.0	0.0	0.0	0.0	0.71
SSB	0.0	0.07	0.21	0.0	0.0	0.0	0.0	0.0	0.28
SSE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WSA	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
W	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
WSB	0.0	0.07	0.21	0.35	0.36	0.14	0.0	0.0	1.14
WSE	0.0	0.07	0.29	0.07	0.36	0.14	0.0	0.0	0.93
WN	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.0	0.29
SUBTOTAL	0.0	1.77	2.20	0.64	1.44	0.28	0.0	0.0	6.33

CALC = 0.0

92 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1417 VALID TEMPERATURE DIFFERENCE READINGS

89 VALID WIND DIRECTIONS - WIND SPEED READINGS OUT OF TOTAL 92 STABILITY CLASS B OCCURRENCES

ALL CONDITIONS CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES EST OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 110 AND 59 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS C OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 STABILITY CLASS C

-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

(CTG-PR 174,75)

WIND SPEED (MPH)

WIND DIRECTION	0.4-1.4	1.4-3.4	3.4-5.4	5.4-7.4	7.4-12.4	12.4-18.4	18.4-24.4	>24.4	TOTAL
N	0.0	0.0	0.14	0.0	0.07	0.0	0.0	0.0	0.21
NNE	0.0	0.0	0.14	0.07	0.07	0.0	0.0	0.0	0.28
NE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.07	0.21	0.0	0.0	0.0	0.0	0.0	0.28
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.07	0.14	0.07	0.0	0.0	0.0	0.0	0.28
SE	0.0	0.21	0.29	0.07	0.0	0.0	0.0	0.0	0.57
SSE	0.0	0.29	0.07	0.0	0.0	0.0	0.0	0.0	0.36
S	0.0	0.21	0.36	0.0	0.0	0.0	0.0	0.0	0.57
SSW	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
SW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.21
WNW	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
W	0.0	0.0	0.0	0.14	0.29	0.43	0.0	0.0	0.86
WSW	0.0	0.0	0.07	0.0	0.14	0.0	0.0	0.0	0.21
SUBTOTAL	0.0	0.92	1.70	0.56	0.64	0.43	0.0	0.0	4.25

CALX = 0.0

62 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1417 VALID TEMPERATURE DIFFERENCE READINGS

60 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 62 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALX TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
 BY WIND DIRECTION STABILITY CLASSES

STABILITY CLASS D
 -1.5 < DELTA-T < -0.5 DEG. C/100M

BRUNNEN FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

OCTOBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	0-4-14	1-5-3-4	3-5-5-4	5-5-7-4	7-5-12-6	12-5-12-4	18-5-24-6	>24-5		
N	0.07	0.14	0.64	0.64	1.14	0.14	0.0	0.0	0.0	2.77
NE	0.0	0.36	0.36	0.43	0.29	0.21	0.14	0.0	0.0	1.56
E	0.0	0.36	0.36	0.0	0.07	0.0	0.0	0.0	0.0	0.93
SE	0.07	0.36	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.57
S	0.0	0.10	0.57	0.0	0.0	0.0	0.0	0.0	0.0	1.07
SW	0.07	2.60	0.57	0.07	0.14	0.0	0.0	0.0	0.0	2.95
SSW	0.0	1.43	0.43	0.0	0.0	0.0	0.0	0.0	0.0	1.56
S	0.0	0.43	0.29	0.0	0.0	0.0	0.0	0.0	0.0	1.22
SSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.36	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.65
WS	0.0	0.29	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.58
W	0.0	0.43	0.50	0.43	0.07	0.0	0.0	0.0	0.0	1.43
WSW	0.0	0.07	0.29	0.57	0.0	0.0	0.0	0.0	0.0	0.93
W	0.0	0.07	0.07	0.72	0.43	0.29	0.0	0.0	0.0	1.56
WSW	0.0	0.36	0.07	0.21	1.36	0.0	0.0	0.0	0.0	2.00
SUM TOTAL	0.21	8.37	5.23	3.36	3.71	0.57	0.0	0.0	0.0	21.44

CALC. = 0.0

303 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1417 VALID TEMPERATURE DIFFERENCE READINGS

303 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 303 STABILITY CLASS D OCCURRENCES

WIND DIRECTION AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

WEATHER SIGNAL FACILITY LOCATED 1.75 MILES ESE OF BRUNNEN FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 10 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JULY 1968 100% OCCURRENCES OF ALL DIRECTIONS AND WIND SPEEDS
 FOR STABILITY CLASS E

STABILITY CLASS E
 -0.5 < DELTA-T <= 1.5 DEG. C/100M

GREENS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

(C100FR (74,75))

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	0.4-1.4	1.4-3.4	3.4-5.4	5.4-7.4	7.4-12.4	12.4-18.4	18.4-24.4	24.4-5		
N	0.21	0.34	0.29	0.43	0.64	0.0	0.0	0.0	0.0	1.91
NNE	0.0	0.50	0.29	0.79	0.21	0.0	0.0	0.0	0.0	1.79
NE	0.0	0.50	0.50	0.07	0.0	0.0	0.0	0.0	0.0	1.07
NNE	0.0	0.50	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.64
E	0.14	1.29	0.57	0.0	0.0	0.0	0.0	0.0	0.0	2.00
ESE	0.0	1.36	1.22	0.14	0.0	0.0	0.0	0.0	0.0	2.72
SE	0.21	2.15	2.43	0.79	0.21	0.0	0.0	0.0	0.0	5.79
SSE	0.21	0.64	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.64
S	0.0	0.36	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.50
SSW	0.0	0.29	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.36
SW	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.21
W	0.67	0.29	0.29	0.14	0.0	0.0	0.0	0.0	0.0	0.79
WNW	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
W	0.0	0.67	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.21
WNW	0.0	0.36	0.29	0.43	0.14	0.0	0.0	0.0	0.0	1.22
SUBTOTAL	0.64	9.09	5.65	2.79	1.20	0.0	0.0	0.0	0.0	20.57

CALC = 0.0

290 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1417 VALID TEMPERATURE DIFFERENCE READINGS

208 VALID WIND DIRECTIONS - WIND SPEED READINGS OUT OF TOTAL 290 STABILITY CLASS E OCCURRENCES

ALL COMPUTATIONS CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.8 MILES ESE OF GREENS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE OCCURRENCIES BY WIND DIRECTION AND WIND SPEED
 STABILITY CLASSES

STABILITY CLASS F
 1.5 < DELTA-T <= 4.0 DEG. C/100F

BROWN FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

OCTOBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	0.5-1.4	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		
A	0.10	0.29	0.72	0.36	0.14	0.0	0.0	0.0	0.0	1.45
NE	0.07	0.57	0.80	0.36	0.0	0.0	0.0	0.0	0.0	1.50
NE	0.21	0.50	0.14	0.21	0.0	0.0	0.0	0.0	0.0	1.06
E	0.0	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.64
E	0.07	1.14	0.36	0.0	0.0	0.0	0.0	0.0	0.0	1.57
ESE	0.07	1.86	0.72	0.07	0.0	0.0	0.0	0.0	0.0	2.79
SE	0.64	2.58	1.00	0.14	0.0	0.0	0.0	0.0	0.0	4.36
SSE	0.14	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57
S	0.14	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.78
SSW	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21
SW	0.07	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36
SSW	0.07	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43
W	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.29	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.58
WSW	0.0	0.57	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.86
SUBTOTAL:	1.76	10.46	4.09	1.14	0.14	0.0	0.0	0.0	0.0	17.57

CLER = 0.0

249 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1417 VALID TEMPERATURE DIFFERENCE READINGS

246 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 249 STABILITY CLASS F OCCURRENCES

ALL VALUES ARE CALCULATED AS PERCENT OF LEFT VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWN FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 100 AND 94 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 23 FEET ABOVE GROUND

~~WIND DIRECTION CLASSIFICATION~~ ~~WIND DIRECTION CLASSIFICATION~~
~~WIND DIRECTION CLASSIFICATION~~ ~~WIND DIRECTION CLASSIFICATION~~

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4-14	14-19	20-24	25-29	30-34	35-39	40-44	≥45	
N	0.43	1.84	0.0	0.0	0.0	0.0	0.0	0.0	2.29
NNE	0.14	3.29	0.21	0.07	0.0	0.0	0.0	0.0	3.71
NE	0.50	1.29	0.0	0.0	0.0	0.0	0.0	0.0	1.79
NNE	0.21	0.53	0.07	0.0	0.0	0.0	0.0	0.0	1.21
E	0.29	1.79	0.50	0.0	0.0	0.0	0.0	0.0	2.58
ESE	0.07	0.93	0.0	0.0	0.0	0.0	0.0	0.0	1.00
SE	0.54	1.57	0.0	0.0	0.0	0.0	0.0	0.0	2.71
SSE	0.29	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.86
S	0.43	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.64
SSS	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.28
S.	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.21
SS	0.21	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.35
W	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.28
WSW	0.36	0.36	0.07	0.0	0.0	0.0	0.0	0.0	0.79
W.	0.14	0.77	0.07	0.0	0.0	0.0	0.0	0.0	0.93
WS	0.53	1.79	0.21	0.07	0.0	0.0	0.0	0.0	2.36
SUBTOTAL	2.49	15.86	1.20	0.14	0.0	0.0	0.0	0.0	21.49

*CALC = 0.07

303 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1417 VALID TEMPERATURE DIFFERENCE READINGS

302 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 303 STABILITY CLASS G OCCURRENCES

*ALL COLUMNS WHO CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 140 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PRECIPITATION, WIND SPEED
 WIND DIRECTION

ROGERS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

WIND DIRECTION	ROGERS FERRY (74,75) WIND SPEED (MPH)								TOTAL
	0-4.9	5.0-9.9	10.0-14.9	15.0-19.9	20.0-24.9	25.0-29.9	30.0-34.9	35.0-39.9	
N	0.02	2.75	2.47	1.72	2.82	0.27	0.0	0.0	10.35
NNE	1.21	4.67	1.86	1.65	1.21	0.0	0.0	0.0	9.70
NNE	0.59	2.75	1.10	0.62	0.27	0.14	0.0	0.0	5.57
ENE	0.21	2.75	0.96	0.14	0.07	0.0	0.0	0.0	4.13
E	0.55	4.00	1.72	0.07	0.0	0.0	0.0	0.0	6.34
ESE	0.14	4.88	2.23	0.55	0.0	0.0	0.0	0.0	8.76
SE	1.51	9.00	6.19	1.72	0.55	0.0	0.0	0.0	18.97
SSE	0.62	4.12	1.86	0.14	0.0	0.0	0.0	0.0	6.74
S	0.52	2.75	1.37	0.0	0.0	0.0	0.0	0.0	4.74
SSW	0.27	0.87	0.14	0.0	0.0	0.0	0.0	0.0	1.28
SW	0.21	0.29	0.43	0.0	0.0	0.0	0.0	0.0	1.58
WSW	0.27	1.03	0.41	0.0	0.0	0.0	0.0	0.0	1.71
W	0.14	1.03	1.03	0.69	0.07	0.0	0.0	0.0	2.96
WNW	0.54	0.69	0.76	1.10	0.76	0.14	0.0	0.0	3.79
W	0.14	1.17	1.10	0.89	1.10	0.89	0.0	0.0	5.29
WNW	0.51	2.02	0.30	0.76	1.99	0.07	0.0	0.0	6.94
SUBTOTAL	7.12	40.72	28.57	10.05	8.94	1.51	0.0	0.0	99.94

CALX = 0.07

1455 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1478 TOTAL HOURS = 97.78 PERCENT

ALL COLUMNS ARE CALX TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF ROGERS FERRY NUCLEAR PLANT
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS A OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 AND STABILITY CLASSES

STABILITY CLASS A
 DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

NOVEMBER (74,75)
 WIND SPEED (MPH)

DIRECTION	0.4-1.4	1.5-3.0	3.1-5.4	5.5-7.4	7.5-12.4	12.5-19.4	19.5-24.4	>24.5	TOTAL
N	0.0	0.0	0.07	0.14	0.07	0.0	0.0	0.0	0.28
NNE	0.0	0.0	0.0	0.07	0.20	0.0	0.0	0.0	0.27
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.21
ESE	0.0	0.34	1.64	0.21	0.0	0.0	0.0	0.0	2.21
SE	0.0	0.28	1.78	0.57	0.07	0.0	0.0	0.0	1.20
SSE	0.0	0.0	0.54	0.54	0.0	0.0	0.0	0.0	1.08
S	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.07	0.0	0.0	0.07	0.07	0.07	0.0	0.28
WNW	0.0	0.0	0.0	0.0	0.28	0.14	0.0	0.0	0.42
WWSW	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.0	0.14
SUBTOTAL	0.0	0.71	3.41	1.00	0.90	0.21	0.07	0.0	6.44

CALES = 0.0

93 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1417 VALID TEMPERATURE DIFFERENCE READINGS

91 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 93 STABILITY CLASS A OCCURRENCES

ALL COLUMNS ADD UP TO TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.7 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS OCCURRENCES BY WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

EDGEMO FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

NOVEMBER (74-75)

WIND DIRECTION	0-5=1-4	6-10=3-4	11-15=5-6	16-20=7-6	21-25=12-4	26-30=13-4	31-35=24-4	36-40=24-5	TOTAL
S	0.0	0.07	0.0	0.0	0.14	0.0	0.0	0.0	0.21
NE	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.21
E	0.0	0.0	0.14	0.21	0.0	0.0	0.0	0.0	0.35
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.07	0.0	0.07	0.0	0.0	0.0	0.0	0.14
SSW	0.0	0.50	0.78	0.28	0.0	0.0	0.0	0.0	1.56
S	0.0	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.21
SS	0.0	0.0	0.26	0.14	0.07	0.0	0.0	0.0	0.47
SS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	1.0	0.07	0.0	0.0	0.0	0.0	1.07
W	0.0	0.0	0.0	0.0	0.07	0.21	0.0	0.0	0.28
WNW	0.0	0.07	0.07	0.0	0.36	0.21	0.0	0.0	0.71
W	0.0	0.0	0.07	0.14	0.21	0.21	0.0	0.0	0.63
W	0.0	0.0	0.0	0.0	0.64	0.43	0.0	0.0	1.07
SUM TOTAL	0.0	1.21	1.56	0.98	1.70	1.06	0.0	0.0	6.51

CALC = 0.0

99 STABILITY CLASS OCCURRENCES OUT OF TOTAL 1017 VALID TEMPERATURE DIFFERENCE READINGS

52 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 99 STABILITY CLASS 1 OCCURRENCES

ALL COLUMNS ADD UP TO 100 PERCENT OF NET VALID READINGS

EDGEMO NUCLEAR FACILITY LOCATED 0.7 MILES EAST OF EDGEMO FERRY NUCLEAR PLANT
TEMP: 21 - 2 INSTANTANEOUS 100 FT. 25 FEET ABOVE GROUND
WIND INSTRUMENTS AT 20 FEET ABOVE GROUND

STABILITY CLASS C
-1.7 < DELTA-T < -1.5 DEC. C/1000

SWPNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

NOVEMBER (74,75)

WIND SPEED (MPH)

DIRECTION	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-7.4	7.5-12.4	12.5-16.4	16.5-24.4	>24.5	Total
N	0.0	0.0	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.28
NNE	0.0	0.0	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.21
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.14
ESE	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
SE	0.0	0.36	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.50
SSW	0.0	0.07	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.35
S	0.0	0.07	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.28
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.07	0.07	0.07	0.14	0.0	0.0	0.0	0.35
WNW	0.0	0.14	0.07	0.07	0.07	0.36	0.0	0.0	0.0	0.71
NW	0.0	0.14	0.0	0.07	0.07	0.07	0.07	0.0	0.0	0.35
WNW	0.0	0.0	0.07	0.14	0.21	0.28	0.0	0.0	0.0	0.70
SUBTOTAL	0.0	0.67	0.98	0.91	0.56	0.85	0.0	0.0	0.0	4.15

CALC = 0.0

61 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1417 VALID TEMPERATURE DIFFERENCE READINGS

59 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 61 STABILITY CLASS C OCCURRENCES

ALL CORRENS AND CALCUTAL 100 PERCENT OF RETVALID READINGS

OPERATIONAL FACILITY LIMITED TO USES USE OF SWPNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 53 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND DIRECTION FREQUENCIES BY WIND DIRECTION AND WIND SPEED

STABILITY CLASS D

-1.5< DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

NOVEMBER (74,75)

WIND SPEED (MPH)

DIRECTION	0-4=1-4	4-5=5-4	5-6=5-6	6-7=7-6	7-8=12-6	8-9=18-6	9-10=24-6	>24-6	TOTAL
N	0.0	0.22	0.14	0.36	1.35	0.07	0.0	0.0	2.20
NE	0.0	0.21	0.28	0.21	0.21	0.0	0.0	0.0	0.91
E	0.0	0.20	0.21	0.0	0.0	0.0	0.0	0.0	0.49
SE	0.0	0.72	0.07	0.0	0.0	0.0	0.0	0.0	0.85
S	0.0	0.36	0.07	0.0	0.0	0.0	0.0	0.0	0.43
SW	0.0	0.28	0.50	0.14	0.14	0.0	0.0	0.0	1.06
SSW	0.14	1.64	0.72	0.36	0.57	0.0	0.0	0.0	3.69
SS	0.0	0.28	0.36	0.14	0.07	0.0	0.0	0.0	0.85
S	0.0	0.72	0.71	0.21	0.14	0.0	0.0	0.0	1.86
SSW	0.0	0.07	0.28	0.07	0.0	0.0	0.0	0.0	0.42
SW	0.0	0.07	0.21	0.07	0.0	0.0	0.0	0.0	0.35
WSW	0.07	0.14	0.50	0.50	0.21	0.0	0.0	0.0	1.42
W	0.0	0.21	0.57	0.71	0.71	0.07	0.0	0.0	2.27
WSW	0.0	0.21	0.64	0.57	1.71	1.00	0.0	0.0	4.13
W	0.07	0.07	0.21	0.07	0.71	0.78	0.0	0.0	1.91
WSW	0.0	0.20	0.28	0.28	2.29	1.35	0.07	0.0	4.62
SUM TOTAL	0.20	6.02	5.81	3.69	8.10	3.27	0.07	0.0	27.24

CALC = 0.0

STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1617 VALID TEMPERATURE DIFFERENCE READINGS

396 WITH WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 396 STABILITY CLASS D OCCURRENCES

ALL COLUMNS ARE CALC TOTAL 100 PERCENT OF NET VALID READINGS

STATION METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT

TEMPERATURE INSTRUMENTS 100 AND 32 FEET ABOVE GROUND

WIND SPEED INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND SPEED, WIND DIRECTION, WIND VELOCITY AND WIND CLASSIFICATION
 FOR STABILITY CLASSES E

STABILITY CLASS E
 $-0.5 < \Delta T - T_a < 1.5$ DEG. C/100M

GRANDS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

NOVEMBER (74, 75)

WIND DIRECTION	WIND SPEED (MPH)							TOTAL	
	0.5-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4		>24.4
N	0.0	0.21	0.14	0.07	0.07	0.0	0.0	0.0	0.49
NE	0.07	0.78	0.38	0.28	0.0	0.0	0.0	0.0	1.41
E	0.0	0.57	0.50	0.14	0.0	0.0	0.0	0.0	1.21
SE	0.0	0.43	0.21	0.14	0.0	0.0	0.0	0.0	0.78
S	0.07	0.43	0.64	0.0	0.0	0.0	0.0	0.0	1.14
SW	0.0	0.78	1.21	0.07	0.0	0.0	0.0	0.0	2.06
SSW	0.21	2.77	1.09	0.78	0.21	0.0	0.0	0.0	5.26
SS	0.21	1.42	1.07	0.21	0.07	0.0	0.0	0.0	2.98
S	0.07	0.78	0.64	0.57	0.28	0.0	0.0	0.0	2.34
SSW	0.0	0.57	0.43	0.56	0.21	0.0	0.0	0.0	1.87
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.07	0.14	0.14	0.0	0.14	0.0	0.0	0.0	0.49
S	0.0	0.38	0.21	0.07	0.71	0.0	0.0	0.0	1.15
SW	0.07	0.14	0.0	0.0	0.50	0.21	0.0	0.0	0.92
SSW	0.07	0.14	1.28	0.07	0.71	0.50	0.0	0.0	1.77
SW	0.0	0.21	0.28	0.21	0.36	0.21	0.0	0.0	1.27
SUBTOTAL	0.34	6.73	5.10	2.97	3.26	0.92	0.0	0.0	25.32
Calc. =	0.0								

368 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1017 WIND TEMPERATURE DIFFERENCE READINGS

30 WIND WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 368 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CUMULATIVE TOTAL 100 PERCENT OF NET WIND READINGS

WIND WIND DIRECTION FACILITY LOCATED 0.75 MILES ESE OF GRANDS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 10 AND 25 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

STABILITY CLASS F
 1.55 MULTI-ICE 4.0 DEG. C/100M
 BROWN FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-1.4	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	
N	0.47	0.34	0.50	0.0	0.0	0.0	0.0	0.0	0.93
NE	0.07	0.34	0.07	0.0	0.0	0.0	0.0	0.0	0.50
E	0.0	0.34	0.14	0.0	0.0	0.0	0.0	0.0	0.50
SE	0.14	0.42	0.21	0.0	0.0	0.0	0.0	0.0	0.78
S	0.07	0.35	0.22	0.0	0.0	0.0	0.0	0.0	0.64
SW	0.07	0.34	0.21	0.0	0.0	0.0	0.0	0.0	0.64
W	0.07	0.34	0.21	0.0	0.0	0.0	0.0	0.0	0.64
NW	0.07	0.34	0.21	0.0	0.0	0.0	0.0	0.0	0.64
WSW	0.07	0.34	0.21	0.0	0.0	0.0	0.0	0.0	0.64
SSW	0.07	0.34	0.21	0.0	0.0	0.0	0.0	0.0	0.64
SSE	0.07	0.34	0.21	0.0	0.0	0.0	0.0	0.0	0.64
ENE	0.07	0.34	0.21	0.0	0.0	0.0	0.0	0.0	0.64
ESE	0.07	0.34	0.21	0.0	0.0	0.0	0.0	0.0	0.64
ENE	0.07	0.34	0.21	0.0	0.0	0.0	0.0	0.0	0.64
ENE	0.07	0.34	0.21	0.0	0.0	0.0	0.0	0.0	0.64
SUBTOTAL	1.27	5.00	7.30	1.48	0.28	0.0	0.0	0.0	16.82

CALC = 0.0

237 STABILITY CLASS F OCCURRENCE BUT NOT TOTAL 1217 VALUE TEMPERATURE DIFFERENCE READINGS

237 WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 237 STABILITY CLASS F OCCURRENCES

ALL OVER INSTANT TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY L CATED 0.75 FEET ESP OF BROWN FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 100 AND 55 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 55 FEET ABOVE GROUND

STABILITY CLASS G

TABLE 1 - 4.0 DEG. C/100M

BRUNGS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

NOVEMBER (74,75)
21.0 SPEED (MPH)

DIRECTION	04-14	14-24	24-34	34-44	44-54	54-64	64-74	74-84	84-94	TOTAL
N	0.14	0.07	0.71	0.0	0.0	0.0	0.0	0.0	0.0	1.70
NNE	0.21	0.02	0.14	0.0	0.0	0.0	0.0	0.0	0.0	1.27
NE	0.14	0.05	0.07	0.0	0.0	0.0	0.0	0.0	0.0	1.26
ENE	0.0	0.05	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.17
E	0.07	1.40	0.28	0.0	0.0	0.0	0.0	0.0	0.0	2.34
ESE	0.07	1.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	1.21
SE	0.28	1.73	0.07	0.0	0.0	0.0	0.0	0.0	0.0	1.63
SSE	1.07	0.63	1.07	0.21	0.07	0.0	0.0	0.0	0.0	1.31
S	0.14	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.42
SSW	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.14	0.14	0.14	0.0	0.0	0.0	0.0	0.0	0.42
TOTAL	1.99	6.65	1.69	0.35	0.07	0.0	0.0	0.0	0.0	12.07

CALC = 0.0

179 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1417 WATT TEMPERATURE DIFFERENCE READINGS

179 WATT AND DIRECTION - 210 SPEED READINGS OUT OF TOTAL 179 STABILITY CLASS G OCCURRENCES

ALL WATT AND DIRECTION TOTAL 100 PERCENT OF NET WATT READINGS

METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF BRUNGS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 170 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

BRIGGS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

RECORD CONCERNING WIND SPEED
AND WIND DIRECTION

WIND DIRECTION	NOVEMBER (74,75)									TOTAL
	0-1.4	1.5-3.0	3.1-4.5	4.6-7.4	7.5-12.0	12.1-18.0	18.1-24.0	≥24.5		
N	0.21	1.75	1.54	0.77	1.68	0.07	0.0	0.0	0.0	6.02
NNE	0.35	2.24	0.84	0.70	0.77	0.0	0.0	0.0	0.0	4.90
NE	0.14	2.03	1.05	0.35	0.0	0.0	0.0	0.0	0.0	3.57
ENE	0.14	2.45	0.70	0.14	0.0	0.0	0.0	0.0	0.0	3.43
E	0.21	5.12	2.03	0.07	0.0	0.0	0.0	0.0	0.0	7.45
ESE	0.07	4.06	2.66	0.35	0.21	0.0	0.0	0.0	0.0	7.35
SE	0.84	9.11	6.31	1.62	0.77	0.0	0.0	0.0	0.0	18.45
SSE	1.12	3.50	2.94	1.05	0.49	0.0	0.0	0.0	0.0	9.10
S	0.20	2.10	2.66	2.03	0.56	0.0	0.0	0.0	0.0	7.53
SSW	0.28	0.77	0.77	0.42	0.28	0.0	0.0	0.0	0.0	2.52
SW	0.0	0.14	0.21	0.14	0.0	0.0	0.0	0.0	0.0	0.46
WSW	0.21	0.35	0.70	0.63	0.35	0.0	0.0	0.0	0.0	2.24
W	0.0	0.56	0.84	0.84	1.54	0.42	0.0	0.0	0.0	4.20
WNW	0.14	0.77	0.77	0.70	2.90	1.69	0.07	0.0	0.0	7.14
WW	0.14	0.42	0.63	0.35	2.17	1.68	0.0	0.0	0.0	5.39
WNW	0.14	0.98	1.40	1.05	3.78	2.24	0.07	0.0	0.0	9.66
SUBTOTAL	4.27	26.35	26.05	11.61	15.140	6.30	0.14	0.0	0.0	99.02

CALP = 1.0

1427 VALID WIND DIRECTION = WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 99.10 PERCENT

ALL COLORS AND CALP TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BRIGGS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 35 FEET ABOVE GROUND

STABILITY CLASS A
 DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.4-1.4	1.4-3.4	3.4-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	≥24.5	
N	0.0	0.0	1.0	0.07	0.07	0.0	0.0	0.0	0.14
NNE	0.0	0.21	0.0	0.0	0.07	0.0	0.0	0.0	0.28
NE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.28
SE	0.0	0.0	0.55	0.21	0.0	0.0	0.0	0.0	0.76
SSE	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.35
S	0.0	0.0	0.42	0.07	0.0	0.0	0.0	0.0	0.49
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.21
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.14
WNW	0.0	0.0	0.0	0.0	0.07	0.49	0.0	0.0	0.56
SUBTOTAL	0.0	0.42	1.53	0.56	0.42	0.49	0.0	0.0	3.42

CALC = 0.0

50 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1458 VALID TEMPERATURE DIFFERENCE READINGS

49 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 50 STABILITY CLASS A OCCURRENCES

ALL VALUES AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE 1. STRAWBETS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND DIRECTION FREQUENCIES BY WIND DIRECTION AND WIND SPEED
 AND DIFFERENTIAL STABILITY CLASSES

STABILITY CLASS B
 -1.9 < DELTA-T < -1.7 DEG. C/10CM

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	DECEMBER (74,75)								TOTAL
	WIND SPEED (MPH)								
	0.5-1.4	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	
N	0.0	0.0	0.0	0.07	0.21	0.0	0.0	0.0	0.28
NNE	0.0	0.07	0.14	0.28	0.28	0.0	0.0	0.0	0.77
NE	0.0	0.07	0.0	0.14	0.07	0.0	0.0	0.0	0.28
ENE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
E	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.14	0.49	0.9	0.0	0.0	0.0	0.0	0.63
SSE	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.21
S	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.21
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.14
WNW	0.0	0.07	0.07	0.14	0.21	0.14	0.0	0.0	0.63
W	0.0	0.0	0.21	0.14	0.21	0.07	0.0	0.0	0.63
WNW	0.0	0.0	0.14	0.21	0.35	0.07	0.0	0.0	0.77
TOTAL	0.0	0.54	1.40	1.05	1.47	0.28	0.0	0.0	4.76

CALL = 0.0

*70 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

68 VALID WIND DIRECTION = WIND SPEED READINGS OUT OF TOTAL 70 STABILITY CLASS B OCCURRENCES

*ALL VALUES AND CALLS ARE PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

CLASSIFICATION PROCEDURES OF WIND DIRECTION AND WIND SPEED
STABILITY CLASSES

STABILITY CLASS C
-1.7 < DELTA-T < -1.5 DEG. C/100M

BROWN'S FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

DECEMBER (74,75)

WIND DIRECTION	0.4-1.4	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	0.0	0.0	0.07	0.14	0.42	0.07	0.0	0.0	0.70
NE	0.0	0.07	0.28	0.07	0.0	0.0	0.0	0.0	0.42
E	0.0	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.21
SE	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
S	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
SW	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.28
SSW	0.0	0.28	0.07	0.0	0.0	0.0	0.0	0.0	0.35
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.21	0.21	0.0	0.0	0.42
WNW	0.0	0.07	0.14	0.07	0.21	0.07	0.0	0.0	0.56
W	0.0	0.0	0.21	0.07	0.35	0.07	0.0	0.0	0.70
WNW	0.0	0.0	0.07	0.07	0.21	0.35	0.0	0.0	0.70
SUBTOTAL	0.0	0.70	1.33	0.49	1.40	0.77	0.0	0.0	4.69

CAVR = 0.0

67 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1756 VALID TEMPERATURE DIFFERENCE READINGS

67 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 67 STABILITY CLASS C OCCURRENCES

ALL COLUMNS ARE CALculated TO PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWN'S FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
 BY STABILITY CLASSES

STABILITY CLASS D
 -1.5 < DELTA-T < -0.5 DEG. C/100M

FROMS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	DECEMBER (74,75) WIND SPEED (MPH)								TOTAL
	0.4-1.4	1.5-2.4	3.4-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>24.5	
N	0.0	0.35	0.35	0.49	0.83	0.21	0.0	0.0	2.22
NE	0.0	0.55	0.62	0.62	0.14	0.0	0.0	0.0	1.93
ENE	0.14	0.62	0.28	0.0	0.0	0.0	0.0	0.0	0.84
E	0.0	0.35	0.28	0.0	0.0	0.0	0.0	0.0	0.63
ESE	0.0	0.76	1.18	0.97	1.32	0.0	0.0	0.0	4.22
SE	0.14	0.83	0.97	0.35	0.83	0.0	0.0	0.0	3.11
SSE	0.07	0.69	0.42	0.07	0.07	0.0	0.0	0.0	1.37
S	0.0	0.49	1.25	0.14	0.0	0.0	0.0	0.0	1.81
SSW	0.0	0.21	0.21	0.0	0.0	0.0	0.0	0.0	0.42
SW	0.0	0.14	0.21	0.0	0.0	0.0	0.0	0.0	0.35
WSW	0.0	0.14	0.49	0.21	0.21	0.21	0.0	0.0	1.26
W	0.0	0.62	1.11	1.04	2.56	0.28	0.0	0.0	5.61
WSW	0.0	0.42	0.42	0.35	1.11	0.76	0.0	0.0	3.06
W	0.0	0.67	0.62	0.55	1.87	0.76	0.0	0.0	3.67
WNW	0.0	0.21	0.28	0.76	3.19	0.90	0.0	0.0	5.34
SUBTOTAL	0.22	0.67	1.91	5.69	12.13	3.12	0.0	0.0	37.14

CALC = 0.0

*42 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1655 VALID TEMPERATURE DIFFERENCE READINGS

*55 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 142 STABILITY CLASS D OCCURRENCES

*ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF FROMS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 100 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

152

U.S. AIR FORCE - 1965 - 1966 - 1967 - 1968 - 1969 - 1970 - 1971 - 1972 - 1973 - 1974 - 1975
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS E
 $-0.5 < \Delta T - T_c = 1.5 \text{ DEG. C/100M}$

GRONNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

DECEMBER (74, 75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.07	0.21	0.23	0.35	0.14	0.0	0.0	0.0	1.00
NE	0.0	0.90	0.55	0.07	0.21	0.0	0.0	0.0	1.73
E	0.0	0.42	0.35	0.07	0.0	0.0	0.0	0.0	0.84
SE	0.0	0.42	0.07	0.07	0.0	0.0	0.0	0.0	0.58
S	0.0	0.42	0.21	0.0	0.0	0.0	0.0	0.0	0.70
SW	0.07	1.62	0.90	0.07	0.07	0.0	0.0	0.0	3.69
WSW	0.35	2.15	3.40	1.73	0.90	0.0	0.0	0.0	8.53
W	0.20	0.52	0.42	0.14	0.07	0.0	0.0	0.0	1.33
WNW	0.0	0.42	0.42	0.76	0.55	0.0	0.0	0.0	2.64
NW	0.20	0.42	0.07	0.21	0.0	0.0	0.0	0.0	0.89
NNE	0.0	0.62	0.20	0.14	0.0	0.0	0.0	0.0	1.06
ESE	0.0	0.55	0.28	0.0	0.0	0.0	0.0	0.0	0.83
ENE	0.0	0.42	0.76	0.49	0.0	0.0	0.0	0.0	1.67
NNE	0.07	0.21	0.14	0.28	0.07	0.0	0.0	0.0	0.77
NNE	0.0	0.14	0.62	0.0	0.07	0.14	0.0	0.0	0.97
NNE	0.07	0.42	1.52	0.07	0.07	0.0	0.0	0.0	1.85
SUBTOTAL	1.19	9.72	10.84	5.35	2.15	0.14	0.0	0.0	29.44

CALC = 0.0

427 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

429 WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 427 STABILITY CLASS E OCCURRENCES

WIND DIRECTIONS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

WEATHERLOG FACILITY LOCATED 0.70 MILES ESE OF GRONNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

WIND DIRECTION, WIND SPEED, WIND VELOCITY, WIND DIRECTION AND WIND SPEED
 AT DIFFERENT STABILITY CLASSES

STABILITY CLASS F
 1.5 < DELTA-T <= 4.0 DEG. C/100M

ORONS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

WIND DIRECTION	DECEMBER (74,75)									
	0.4-1.4	1.4-3.4	3.4-5.4	5.4-7.4	7.4-12.4	12.4-16.4	16.4-24.4	>24.4	TOTAL	
N	0.0	0.07	0.42	0.07	0.0	0.0	0.0	0.0	0.0	0.56
NE	0.0	0.35	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.49
E	0.0	0.21	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.42
SE	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28
S	0.07	0.40	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.81
SW	0.0	0.14	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.71
SSW	0.0	1.44	1.46	0.49	0.0	0.0	0.0	0.0	0.0	3.55
SS	0.07	1.25	1.04	0.21	0.0	0.0	0.0	0.0	0.0	2.57
S	0.07	0.40	1.32	0.37	0.0	0.0	0.0	0.0	0.0	1.95
SSW	0.07	0.35	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.49
SW	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.14	0.72	0.0	0.0	0.0	0.0	0.0	0.0	0.76
SUBTOTAL	0.42	5.56	7.32	0.91	0.0	0.0	0.0	0.0	0.0	13.23

CALC = 0.0

190 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

190 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 190 STABILITY CLASS F OCCURRENCES

ALL VALUES ARE CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEO. LOG. FACILITY LOCATED 0.75 MILES ESE OF ORONS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE OCCURRENCES OF WIND DIRECTIONS AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS 'G'
 DELTA T > 4.0 DEG. C/100M

DOWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

DECEMBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)									
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	
N	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.21
NE	0.0	0.49	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.63
E	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
SE	0.0	0.55	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.69
S	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35
SW	0.07	1.11	0.20	0.0	0.0	0.0	0.0	0.0	0.0	1.46
W	0.07	1.04	0.49	0.0	0.0	0.0	0.0	0.0	0.0	2.22
WNW	0.07	1.24	0.07	0.0	0.0	0.0	0.0	0.0	0.0	1.39
WSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WS	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.35
SUMMARY	0.21	5.83	1.61	0.0	0.0	0.0	0.0	0.0	0.0	7.65

CALC. = 0.0

110 STABILITY CLASS 'G' OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

110 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 110 STABILITY CLASS 'G' OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES EAST OF DOWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 120 AND 33 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
 SEE ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	DECEMBER (74,75)								
	WIND SPEED (MPH)								
	0-1=1-4	1-5=3-4	3-5=5-8	5-5=7-4	7-5=12-4	12-5=18-4	18-5=24-4	>24-5	TOTAL
R	0.07	0.76	1.72	1.51	1.92	0.27	0.0	0.0	6.25
RAF	0.0	2.61	1.85	1.17	0.69	0.0	0.0	0.0	6.32
NE	0.07	1.44	1.10	0.41	0.14	0.0	0.0	0.0	3.16
ENE	0.14	1.24	0.41	0.07	0.0	0.0	0.0	0.0	1.96
E	0.07	1.99	1.03	0.0	0.0	0.0	0.0	0.0	3.09
ESE	0.07	2.47	2.95	1.92	1.37	0.0	0.0	0.0	9.78
SE	0.69	5.64	7.14	2.75	1.72	0.0	0.0	0.0	18.14
SSE	0.48	4.44	2.95	0.41	0.14	0.0	0.0	0.0	8.44
S	0.14	2.95	2.85	1.03	0.55	0.0	0.0	0.0	8.52
SSS	0.34	1.03	0.27	0.27	0.0	0.0	0.0	0.0	1.41
SW	0.0	0.96	0.69	0.14	0.0	0.0	0.0	0.0	1.76
WSW	0.0	0.69	0.76	0.48	0.21	0.21	0.0	0.0	2.35
W	0.0	1.10	1.85	1.51	2.88	0.48	0.0	0.0	7.82
WSW	0.07	0.82	0.76	0.82	1.56	0.96	0.0	0.0	5.01
W	0.0	0.21	1.51	0.76	2.61	1.03	0.0	0.0	6.12
WNW	0.07	0.76	2.75	1.17	3.91	1.79	0.0	0.0	10.45
SUBTOTAL	2.21	29.33	31.59	14.42	17.72	4.74	0.0	0.0	100.01
CALC =	0.0								

1456 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1486 TOTAL HOURS = 97.95 PERCENT

ALL COLUMNS ARE CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Table 5-2

Joint Frequency Distributions
Wind Direction and Wind Speed
by Stability Class - Monthly and Annual
Browns Ferry Nuclear Plant - 1974-1975

Temperature Instruments 33 and 300 feet above ground
Wind Instruments at 33 feet above ground

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.15	0.08	0.0	0.0	0.0	0.0	0.23
S	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
SSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.23	0.08	0.0	0.0	0.0	0.0	0.31

CALC = 0.0

* STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

* VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 4 STABILITY CLASS A OCCURRENCES

* ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

* METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
 -1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.08
SE	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.08
SSE	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.16
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.08	0.16	0.16	0.0	0.0	0.0	0.0	0.40

CALC = 0.0

5 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

5 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 5 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
 -1.7 < DELTA-T < -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.15	0.08	0.0	0.0	0.0	0.23
SE	0.0	0.0	0.23	0.15	0.0	0.0	0.0	0.0	0.38
SSE	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.15	0.15	0.0	0.0	0.0	0.30
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
SUBTOTAL	0.0	0.0	0.31	0.45	0.31	0.0	0.0	0.0	1.07
CALM =	0.0								

14 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

14 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 14 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JANUARY (74,75)								TOTAL
	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	
N	0.0	0.08	0.31	0.46	2.24	0.23	0.0	0.0	3.32
NNE	0.0	0.39	0.62	0.93	1.46	0.08	0.0	0.0	3.48
NE	0.0	0.23	0.39	0.08	0.0	0.0	0.0	0.0	0.70
ENE	0.0	0.39	0.23	0.0	0.0	0.0	0.0	0.0	0.62
E	0.0	0.0	0.15	0.08	0.0	0.0	0.0	0.0	0.23
ESE	0.0	0.0	1.00	0.31	0.0	0.0	0.0	0.0	1.31
SE	0.0	0.39	0.69	0.54	0.31	0.0	0.0	0.0	1.93
SSE	0.0	0.23	0.69	0.23	0.15	0.0	0.0	0.0	1.30
S	0.0	0.69	0.77	0.15	0.0	0.0	0.0	0.0	1.61
SSW	0.0	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.16
SW	0.0	0.15	0.23	0.0	0.0	0.0	0.0	0.0	0.38
WSW	0.0	0.39	0.23	0.46	0.54	0.15	0.0	0.0	1.77
W	0.0	0.15	0.46	0.46	0.39	0.23	0.0	0.0	1.69
WRW	0.0	0.0	0.31	0.46	1.08	0.08	0.0	0.0	1.93
NW	0.0	0.08	0.31	0.31	1.16	0.15	0.0	0.0	2.01
NNW	0.08	0.0	0.31	0.31	2.16	1.08	0.08	0.0	4.02
SUBTOTAL	0.08	3.17	6.78	4.86	9.49	2.00	0.08	0.0	26.46

CALM = 0.0

351 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

343 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 351 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
 -0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.77	0.54	0.39	0.15	0.0	0.0	0.0	1.85
NNE	0.15	0.77	1.16	0.39	0.15	0.0	0.0	0.0	2.62
NE	0.0	0.62	0.77	0.15	0.15	0.0	0.0	0.0	1.69
ENE	0.0	0.15	0.08	0.0	0.0	0.0	0.0	0.0	0.23
E	0.15	0.69	0.62	0.08	0.0	0.0	0.0	0.0	1.54
ESE	0.15	1.00	1.70	0.62	0.0	0.0	0.0	0.0	3.47
SE	0.23	4.01	4.63	2.00	0.23	0.0	0.0	0.0	11.10
SSE	0.15	2.00	1.93	0.85	0.85	0.0	0.0	0.0	5.78
S	0.15	2.31	3.16	2.54	1.23	0.0	0.0	0.0	9.39
SSW	0.08	0.54	0.54	0.15	0.08	0.0	0.0	0.0	1.39
SW	0.15	0.69	0.54	0.15	0.0	0.0	0.0	0.0	1.53
WSW	0.08	0.69	0.62	0.23	0.23	0.15	0.0	0.0	2.00
W	0.0	0.15	0.54	0.93	0.77	0.31	0.0	0.0	2.70
WNW	0.08	0.62	0.31	0.31	0.54	0.31	0.0	0.0	2.17
NW	0.0	0.15	0.23	0.77	0.62	0.0	0.0	0.0	1.77
NNW	0.0	1.08	0.85	0.46	0.69	0.08	0.0	0.0	3.16
SUBTOTAL	1.37	16.24	18.22	10.02	5.69	0.85	0.0	0.0	52.39

CALC = 0.0

682 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

680 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 682 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)
WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.23	0.23	0.0	0.0	0.0	0.0	0.0	0.46
NNE	0.0	0.46	0.39	0.0	0.0	0.0	0.0	0.0	0.85
NE	0.08	0.39	0.15	0.0	0.0	0.0	0.0	0.0	0.62
ENE	0.0	0.39	0.15	0.0	0.0	0.0	0.0	0.0	0.54
E	0.0	0.62	0.46	0.0	0.0	0.0	0.0	0.0	1.08
ESE	0.0	1.00	0.31	0.0	0.0	0.0	0.0	0.0	1.31
SE	0.08	3.55	0.69	0.15	0.31	0.0	0.0	0.0	4.78
SSE	0.23	2.47	0.39	0.15	0.15	0.0	0.0	0.0	3.39
S	0.08	1.46	0.39	0.15	0.0	0.0	0.0	0.0	2.08
SSW	0.0	0.15	0.08	0.0	0.0	0.0	0.0	0.0	0.23
SW	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.15
WSW	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.31
W	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
WNW	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.15
NW	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
NNW	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.16
SUBTOTAL	0.47	11.57	3.32	0.45	0.46	0.0	0.0	0.0	16.27

CALC = 0.0

211 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

211 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 211 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.31
NNE	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.31
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
E	0.0	0.15	0.08	0.0	0.0	0.0	0.0	0.0	0.23
ESE	0.0	0.69	0.0	0.0	0.0	0.0	0.0	0.0	0.69
SE	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.46
SSE	0.0	0.46	0.08	0.0	0.0	0.0	0.0	0.0	0.54
S	0.0	0.23	0.08	0.0	0.0	0.0	0.0	0.0	0.31
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
SUBTOTAL	0.08	2.77	0.24	0.0	0.0	0.0	0.0	0.0	3.09
CALC =	0.0								

40 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

40 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 40 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JANUARY (74,75)								
	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	0.0	1.57	1.28	0.86	2.92	0.21	0.0	0.0	6.84
NNE	0.14	2.14	2.35	1.43	2.28	0.07	0.0	0.0	8.41
NE	0.21	1.50	1.71	0.64	0.14	0.0	0.0	0.0	4.20
ENE	0.0	1.21	0.50	0.0	0.0	0.0	0.0	0.0	1.71
E	0.14	1.50	1.21	0.14	0.0	0.0	0.0	0.0	2.99
ESE	0.14	2.49	2.85	1.14	0.07	0.0	0.0	0.0	6.69
SE	0.29	7.77	5.77	2.71	0.78	0.0	0.0	0.0	17.32
SSE	0.36	4.92	3.14	1.21	1.07	0.0	0.0	0.0	10.70
S	0.21	4.42	4.13	2.71	1.14	0.0	0.0	0.0	12.61
SSW	0.07	0.64	0.71	0.21	0.07	0.0	0.0	0.0	1.70
SW	0.14	0.93	0.71	0.14	0.0	0.0	0.0	0.0	1.92
WSW	0.07	1.28	0.78	0.78	0.93	0.29	0.0	0.0	4.13
W	0.0	0.36	1.00	1.35	1.07	0.50	0.0	0.0	4.28
WNW	0.14	0.71	0.57	0.71	1.50	0.36	0.0	0.0	3.99
NW	0.0	0.29	0.64	1.07	1.78	0.14	0.0	0.0	3.92
NNW	0.07	1.64	1.43	0.71	3.56	1.07	0.07	0.0	8.55
SUBTOTAL	1.98	33.37	28.78	15.81	17.31	2.64	0.07	0.0	99.96
CALM =	0.0								

1403 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 94.29 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
 DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0-6-14	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.09
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.09	0.09	0.0	0.0	0.09	0.0	0.0	0.27

CALC = 0.0

3 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

3 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 3 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.26	0.09	0.0	0.0	0.0	0.0	0.35
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.09	0.0	0.0	0.09	0.0	0.0	0.0	0.18
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.09
NW	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.09
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.09	0.26	0.09	0.09	0.18	0.0	0.0	0.71
CALC =	0.0								

8 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

8 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 8 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
 -1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.09
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.09	0.35	0.09	0.0	0.0	0.0	0.53
SSE	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.35
S	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
SSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.18
WSW	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.26
W	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.18
WNW	0.0	0.0	0.0	0.0	0.09	0.09	0.09	0.0	0.27
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.26
SUBTOTAL	0.0	0.0	0.53	0.35	0.89	0.35	0.09	0.0	2.21

CALC = 0.0

25 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

25 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 25 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
 -1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0.4-1.4	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	0.0	0.18	0.26	1.06	2.29	0.35	0.0	0.0	4.14
NNE	0.0	0.18	0.71	0.88	2.12	0.0	0.0	0.0	3.89
NE	0.0	0.44	0.71	0.44	0.26	0.0	0.0	0.0	1.85
ENE	0.0	0.18	0.18	0.09	0.0	0.0	0.0	0.0	0.45
E	0.0	0.35	0.09	0.35	0.0	0.0	0.0	0.0	0.79
ESE	0.0	0.18	0.79	0.26	1.06	0.0	0.0	0.0	2.29
SE	0.0	0.26	2.29	1.15	0.71	0.18	0.0	0.0	4.59
SSE	0.0	0.26	0.79	0.35	0.09	0.0	0.0	0.0	1.49
S	0.0	0.35	1.68	0.88	0.0	0.0	0.0	0.0	2.91
SSW	0.0	0.0	0.09	0.09	0.0	0.0	0.0	0.0	0.18
SW	0.0	0.09	0.18	0.18	0.09	0.0	0.0	0.0	0.54
WSW	0.0	0.35	0.62	0.35	1.76	1.06	0.0	0.0	4.14
W	0.0	0.09	0.18	0.71	1.32	0.62	0.0	0.0	2.92
WNW	0.0	0.18	0.26	0.97	1.50	1.41	0.09	0.0	4.41
NW	0.0	0.0	0.44	0.53	3.09	0.88	0.09	0.0	5.03
NNW	0.0	0.09	0.44	0.26	3.26	2.29	0.0	0.0	6.34
SUBTOTAL	0.0	3.18	9.71	8.55	17.55	6.79	0.18	0.0	45.96

CALH = 0.0

528 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

521 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 528 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
 -0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.79	0.35	0.26	0.18	0.0	0.0	0.0	1.58
NNE	0.0	2.12	0.71	0.35	0.09	0.0	0.0	0.0	3.27
NE	0.0	0.79	0.35	0.18	0.0	0.0	0.0	0.0	1.32
ENE	0.0	0.71	0.0	0.09	0.0	0.0	0.0	0.0	0.80
E	0.0	0.88	0.18	0.09	0.09	0.0	0.0	0.0	1.24
ESE	0.0	0.62	0.35	0.26	0.18	0.0	0.0	0.0	1.41
SE	0.09	2.29	1.06	0.97	2.12	0.0	0.0	0.0	6.53
SSE	0.0	2.56	0.71	0.35	0.09	0.0	0.0	0.0	3.71
S	0.0	2.12	2.65	1.76	0.26	0.0	0.0	0.0	6.79
SSW	0.09	0.18	0.71	0.18	0.09	0.0	0.0	0.0	1.25
SW	0.09	0.18	0.26	0.09	0.0	0.0	0.0	0.0	0.62
WSW	0.0	0.35	0.79	0.53	0.35	0.09	0.0	0.0	2.11
W	0.0	0.18	0.44	0.44	0.18	0.0	0.0	0.0	1.24
WNW	0.09	0.44	0.09	0.79	0.18	0.0	0.0	0.0	1.59
NW	0.0	0.35	0.35	0.26	0.62	0.0	0.0	0.0	1.58
NNW	0.0	0.53	0.62	0.79	0.44	0.0	0.0	0.0	2.38
SUBTOTAL	0.36	15.09	9.62	7.39	4.87	0.09	0.0	0.0	37.42

CALM = 0.0

425 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

424 VALID WIND DIRECTION - WIND SPEED READINGS, OUT OF TOTAL 425 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6-14	1-5-34	3-5-54	5-5-74	7-5-124	12-5-184	18-5-244	>=24-5	
N	0:0	0:26	0:18	0:0	0:0	0:0	0:0	0:0	0:44
NNE	0:0	0:44	0:09	0:26	0:0	0:0	0:0	0:0	0:79
NE	0:0	0:35	0:0	0:0	0:0	0:0	0:0	0:0	0:35
ENE	0:0	0:53	0:26	0:0	0:0	0:0	0:0	0:0	0:79
E	0:09	0:44	0:53	0:0	0:0	0:0	0:0	0:0	1:06
ESE	0:0	0:62	0:18	0:09	0:0	0:0	0:0	0:0	0:89
SE	0:0	1:15	1:23	0:35	0:26	0:0	0:0	0:0	2:99
SSE	0:18	1:23	0:26	0:18	0:0	0:0	0:0	0:0	1:65
S	0:26	1:23	0:26	0:18	0:09	0:0	0:0	0:0	2:02
SSW	0:0	0:09	0:09	0:0	0:0	0:0	0:0	0:0	0:18
SW	0:0	0:0	0:09	0:09	0:0	0:0	0:0	0:0	0:18
WSW	0:0	0:0	0:0	0:0	0:09	0:0	0:0	0:0	0:09
W	0:0	0:09	0:0	0:0	0:0	0:0	0:0	0:0	0:09
WNW	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0
NW	0:0	0:18	0:0	0:0	0:0	0:0	0:0	0:0	0:18
NNW	0:0	0:18	0:35	0:0	0:0	0:0	0:0	0:0	0:53
SUBTOTAL	0:53	6:79	3:52	1:15	0:44	0:0	0:0	0:0	12:43
CALM =	0:0								

142 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

141 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 142 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND SPEED(MPH)

WIND DIRECTION	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	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.18
NNE	0.0	0.09	0.09	0.09	0.0	0.0	0.0	0.0	0.27
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09
E	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.18
ESE	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.26
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.71	0.27	0.09	0.0	0.0	0.0	0.0	1.07

CALC = 0.0

12 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

12 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 12 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	FEBRUARY (74,75)								TOTAL
	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	
N	0.0	1.21	0.95	1.30	2.77	0.35	0.0	0.0	6.58
NNE	0.0	2.77	1.56	1.56	2.60	0.0	0.0	0.0	8.49
NE	0.0	1.56	1.04	0.61	0.26	0.0	0.0	0.0	3.47
ENE	0.0	1.47	0.43	0.17	0.0	0.0	0.0	0.0	2.07
E	0.09	1.82	0.78	0.43	0.09	0.0	0.0	0.0	3.21
ESE	0.0	1.56	1.30	0.61	1.21	0.0	0.0	0.0	4.68
SE	0.17	3.98	4.93	2.85	3.11	0.17	0.0	0.0	15.21
SSE	0.26	3.98	2.08	0.87	0.17	0.0	0.0	0.0	7.36
S	0.26	3.98	4.76	2.77	0.35	0.0	0.0	0.0	12.12
SSW	0.09	0.26	0.87	0.26	0.09	0.0	0.0	0.0	1.57
SW	0.09	0.26	0.52	0.35	0.26	0.0	0.0	0.0	1.48
WSW	0.0	0.87	1.38	0.87	2.51	1.12	0.0	0.0	6.75
W	0.0	0.35	0.61	1.12	1.64	0.61	0.0	0.0	4.33
WWW	0.09	0.61	0.35	1.73	1.73	1.56	0.17	0.0	6.24
NW	0.0	0.52	0.78	0.78	3.72	1.04	0.09	0.0	6.93
NNW	0.0	0.78	1.38	1.04	3.89	2.51	0.0	0.0	9.60
SUBTOTAL	1.05	25.98	23.72	17.32	24.40	7.36	0.26	0.0	100.09
CALM =	0.0								

1156 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1344 TOTAL HOURS = 86.01 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

WIND DIRECTION	MARCH (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.07	0.21	0.0	0.0	0.28
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.36
SSE	0.0	0.07	0.14	0.07	0.0	0.0	0.0	0.0	0.28
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.07	0.57	0.07	0.07	0.21	0.0	0.0	0.99
CALC =	0.0								

14 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

14 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 14 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MARCH (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.14
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.21	0.14	0.0	0.0	0.0	0.0	0.35
SSE	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.36	0.0	0.0	0.36
NW	0.0	0.0	0.0	0.0	0.07	0.14	0.07	0.0	0.28
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.35	0.28	0.07	0.50	0.07	0.0	1.27
CALC =	0.0								

18 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

18 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 18 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.07	0.0	0.07	0.14	0.0	0.0	0.28
NE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.14	0.29	0.0	0.07	0.0	0.0	0.0	0.50
SSE	0.0	0.14	0.50	0.07	0.0	0.0	0.0	0.0	0.71
S	0.0	0.07	0.36	0.14	0.0	0.0	0.0	0.0	0.57
SSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.07	0.0	0.07	0.0	0.14
WNW	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
NW	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.0	0.57
NNW	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.14
SUBTOTAL	0.0	0.35	1.43	0.28	0.28	0.92	0.07	0.0	3.33

CALC = 0.0

48 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

47 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 48 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MARCH (74,75)									TOTAL
	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		
N	0.0	0.14	0.07	0.50	1.43	0.71	0.0	0.0	0.0	2.85
NNE	0.07	0.36	0.64	0.64	1.14	0.64	0.0	0.0	0.0	3.49
NE	0.0	0.36	0.29	0.21	0.36	0.0	0.0	0.0	0.0	1.22
ENE	0.07	0.29	0.57	0.14	0.21	0.0	0.0	0.0	0.0	1.28
E	0.0	0.0	0.50	0.14	0.07	0.0	0.0	0.0	0.0	0.71
ESE	0.0	0.29	0.71	0.21	0.0	0.0	0.0	0.0	0.0	1.21
SE	0.0	1.28	1.28	0.50	0.71	0.21	0.0	0.0	0.0	3.98
SSE	0.0	0.64	0.78	0.43	0.14	0.0	0.0	0.0	0.0	1.99
S	0.0	0.86	1.00	0.50	0.0	0.0	0.0	0.0	0.0	2.36
SSW	0.0	0.07	0.36	0.29	0.07	0.0	0.0	0.0	0.0	0.79
SW	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.07	0.43	0.21	0.21	0.07	0.0	0.0	0.0	0.99
W	0.0	0.0	0.50	0.21	0.93	1.00	0.07	0.0	0.0	2.71
WNW	0.0	0.07	0.36	0.29	1.07	1.35	0.86	0.0	0.0	4.00
NW	0.0	0.07	0.29	0.14	1.57	1.85	0.07	0.0	0.0	3.99
NNW	0.0	0.07	0.36	0.71	1.92	1.71	0.0	0.0	0.0	4.77
SUBTOTAL	0.14	4.64	8.21	5.12	9.83	7.54	1.00	0.0	0.0	36.48
CALM =	0.0									

524 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

512 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 524 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.29	0.78	1.00	0.64	0.0	0.0	0.0	2.71
NNE	0.0	0.43	0.64	0.21	0.36	0.0	0.0	0.0	1.64
NE	0.21	0.93	0.78	0.36	0.0	0.0	0.0	0.0	2.28
ENE	0.07	0.71	0.50	0.0	0.07	0.0	0.0	0.0	1.35
E	0.0	0.71	0.21	0.43	0.21	0.0	0.0	0.0	1.56
ESE	0.07	0.78	1.14	0.50	0.78	0.0	0.0	0.0	3.27
SE	0.43	2.28	1.43	0.93	1.00	0.0	0.0	0.0	6.07
SSE	0.14	1.00	0.43	0.57	0.36	0.0	0.0	0.0	2.50
S	0.14	1.92	2.71	2.35	0.86	0.0	0.0	0.0	7.98
SSW	0.43	0.57	0.93	0.43	0.07	0.0	0.0	0.0	2.43
SW	0.07	0.14	0.29	0.07	0.07	0.0	0.0	0.0	0.64
WSW	0.0	0.21	0.93	0.43	0.29	0.0	0.0	0.0	1.86
W	0.07	0.36	0.43	0.43	0.21	0.14	0.0	0.0	1.64
WNW	0.0	0.29	0.57	0.21	0.21	0.07	0.0	0.0	1.35
NW	0.0	0.07	0.14	0.21	0.36	0.14	0.0	0.0	0.92
NNW	0.07	0.36	0.71	0.50	0.43	0.0	0.0	0.0	2.07
SUBTOTAL	1.70	11.05	12.62	8.63	5.92	0.35	0.0	0.0	40.27

CALM = 0.21

584 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

568 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 584 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.21	0.64	0.07	0.0	0.0	0.0	0.0	0.0	0.92
NNE	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.50
NE	0.0	0.29	0.14	0.0	0.0	0.0	0.0	0.0	0.43
ENE	0.0	0.14	0.21	0.0	0.0	0.0	0.0	0.0	0.35
E	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.28
ESE	0.07	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.28
SE	0.43	1.43	0.14	0.50	0.07	0.0	0.0	0.0	2.57
SSE	0.29	2.00	0.36	0.07	0.07	0.0	0.0	0.0	2.79
S	0.21	2.00	0.78	0.57	0.0	0.0	0.0	0.0	3.56
SSW	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.14
SW	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.29
WSW	0.07	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.28
W	0.07	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.35
WNW	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.21
NW	0.14	0.14	0.14	0.0	0.0	0.0	0.0	0.0	0.42
NNW	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.21
SUBTOTAL	1.56	8.41	2.19	1.28	0.14	0.0	0.0	0.0	13.58

CALH = 0.14

195 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

193 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 195 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0-6-14	15-314	35-54	55-74	75-124	125-184	185-244	25-245	TOTAL
N	0.07	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.28
NNE	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.21
NE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.14
ESE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.14	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.71
SSE	0.36	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.79
S	0.07	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.64
SSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21
NNW	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.21
SUBTOTAL	0.99	2.62	0.0	0.0	0.0	0.0	0.0	0.0	3.61

CALM = 0.0

51 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

51 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 51 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.28	1.27	0.92	1.49	2.05	0.71	0.0	0.0	6.72
NNE	0.07	1.49	1.35	0.85	1.63	0.99	0.0	0.0	6.38
NE	0.21	1.63	1.20	0.78	0.35	0.0	0.0	0.0	4.17
ENE	0.14	1.13	1.35	0.14	0.28	0.0	0.0	0.0	3.04
E	0.0	1.06	0.85	0.57	0.28	0.0	0.0	0.0	2.76
ESE	0.14	1.27	1.98	0.71	0.76	0.0	0.0	0.0	4.98
SE	0.99	5.67	3.68	2.05	1.84	0.21	0.0	0.0	14.44
SSE	0.78	4.25	2.41	1.20	0.57	0.0	0.0	0.0	9.21
S	0.42	5.38	4.82	3.68	0.85	0.0	0.0	0.0	15.15
SSW	0.42	0.85	1.35	0.78	0.21	0.0	0.0	0.0	3.61
SW	0.14	0.57	0.35	0.07	0.07	0.0	0.0	0.0	1.20
WSW	0.14	0.35	1.42	0.71	0.50	0.14	0.0	0.0	3.26
W	0.14	0.57	0.99	0.64	1.20	1.13	0.14	0.0	4.81
WNN	0.0	0.42	0.99	0.57	1.35	1.98	0.92	0.0	6.23
NW	0.35	0.28	0.57	0.35	1.98	2.69	0.14	0.0	6.36
NNW	0.14	0.78	1.06	1.20	2.34	1.84	0.0	0.0	7.36
SUBTOTAL	4.36	26.97	25.29	15.79	16.28	9.69	1.20	0.0	99.58

CALM = 0.35

1412 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 94.89 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.21
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.14	0.0	0.07	0.0	0.0	0.0	0.21
SSE	0.0	0.07	0.14	0.07	0.0	0.0	0.0	0.0	0.28
S	0.0	0.21	0.21	0.0	0.07	0.0	0.0	0.0	0.49
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.28	0.56	0.21	0.28	0.0	0.0	0.0	1.33

CALM = 0.0

20 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

19 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 20 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
 -1.9 < DELTA-T < -1.7 DEG. C/100K

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	APRIL (74,75)								
	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	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.14
NNE	0.0	0.0	0.0	0.21	0.21	0.0	0.0	0.0	0.42
NE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ENE	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.0	0.50	0.21	0.0	0.0	0.0	0.0	0.71
SSE	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
S	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.07
NNW	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.14
SUBTOTAL	0.0	0.0	0.78	0.84	0.42	0.07	0.0	0.0	2.11
CALC =	0.0								

31 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

30 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 31 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
-1.7 < DELTA-T < -1.5 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	≥24-4	TOTAL
N	0.0	0.0	0.0	0.14	0.28	0.28	0.0	0.0	0.70
NNE	0.0	0.0	0.07	0.50	0.64	0.0	0.0	0.0	1.21
NE	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.21
ENE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.07	0.14	0.21	0.07	0.0	0.0	0.0	0.49
SSE	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.21
S	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.28
SSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.14	0.28	0.0	0.0	0.0	0.0	0.42
W	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
WW	0.0	0.0	0.0	0.07	0.57	0.07	0.0	0.0	0.71
NW	0.0	0.0	0.0	0.0	0.43	0.07	0.0	0.0	0.50
NNW	0.0	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.21
SUBTOTAL	0.0	0.07	1.12	1.55	2.06	0.56	0.0	0.0	5.36

CALC = 0.0

77 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

76 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 77 STABILITY CLASS C OCCURRENCES

ALL CGLUHNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

WIND DIRECTION	APRIL (74,75)								
	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=26-4	≥24-5	TOTAL
N	0.0	0.0	0.14	0.78	1.14	0.07	0.0	0.0	2.13
NNE	0.0	0.14	0.28	0.43	0.71	0.0	0.0	0.0	1.56
NE	0.0	0.07	0.43	0.21	0.0	0.0	0.0	0.0	0.71
ENE	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.21
E	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.21
ESE	0.0	0.36	0.14	0.21	0.07	0.0	0.0	0.0	0.78
SE	0.0	1.21	2.49	1.14	0.57	0.0	0.0	0.0	5.41
SSE	0.07	0.57	1.14	0.57	0.21	0.0	0.0	0.0	2.56
S	0.0	0.92	0.57	1.07	0.21	0.0	0.0	0.0	2.77
SSW	0.0	0.14	0.21	0.57	0.07	0.0	0.0	0.0	0.99
SW	0.0	0.14	0.21	0.0	0.0	0.0	0.0	0.0	0.35
WSW	0.0	0.43	0.85	0.50	0.43	0.07	0.0	0.0	2.28
W	0.0	0.14	0.71	0.71	0.78	0.07	0.0	0.0	2.41
WNW	0.0	0.14	0.14	1.14	1.92	0.71	0.43	0.07	4.55
NW	0.0	0.07	0.14	0.28	1.63	0.92	0.28	0.07	3.39
NNW	0.07	0.14	0.21	0.28	2.06	0.92	0.07	0.0	3.75
SUBTOTAL	0.14	4.68	7.87	7.89	9.80	2.76	0.78	0.14	34.06
CALC =	0.0								

484 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

480 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 484 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75).

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	24.5-30.4	
N	0.0	0.28	0.57	0.28	0.50	0.0	0.0	0.0	1.63
NNE	0.0	0.85	0.85	0.36	0.07	0.0	0.0	0.0	2.13
NE	0.14	0.57	0.64	0.07	0.0	0.0	0.0	0.0	1.42
ENE	0.07	0.28	0.07	0.0	0.0	0.0	0.0	0.0	0.42
E	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.36
ESE	0.14	0.57	0.50	0.14	0.0	0.0	0.0	0.0	1.35
SE	0.14	1.99	1.92	0.99	0.99	0.0	0.0	0.0	6.03
SSE	0.07	1.14	1.92	0.92	0.43	0.0	0.0	0.0	4.46
S	0.0	1.49	2.27	2.06	1.78	0.0	0.0	0.0	7.60
SSW	0.21	0.57	0.92	0.64	0.43	0.07	0.0	0.0	2.84
SW	0.28	0.28	0.21	0.0	0.0	0.0	0.0	0.0	0.77
WSW	0.21	0.21	0.36	0.36	0.14	0.0	0.0	0.0	1.28
W	0.07	0.57	0.36	0.28	0.07	0.0	0.0	0.0	1.35
WNW	0.0	0.07	0.28	0.07	0.28	0.14	0.0	0.0	0.84
NW	0.0	0.14	0.14	0.14	0.50	0.07	0.0	0.0	0.99
NNW	0.07	0.57	0.92	1.21	0.99	0.0	0.0	0.0	3.76
SUBTOTAL	1.40	9.94	11.93	7.52	6.18	0.28	0.0	0.0	37.25

CALC = 0.21

532 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

528 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 532 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	APRIL (74,75)								
	WIND SPEED (MPH)								
	0.4-1.4	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	0.07	0.28	0.28	0.07	0.0	0.0	0.0	0.0	0.70
NNE	0.14	1.49	0.43	0.07	0.0	0.0	0.0	0.0	2.13
NE	0.07	0.28	0.50	0.0	0.0	0.0	0.0	0.0	0.85
ENE	0.14	0.36	0.07	0.0	0.0	0.0	0.0	0.0	0.57
E	0.28	0.99	0.28	0.0	0.0	0.0	0.0	0.0	1.55
ESE	0.36	0.43	0.07	0.0	0.0	0.0	0.0	0.0	0.86
SE	0.50	1.63	0.14	0.07	0.0	0.0	0.0	0.0	2.34
SSE	0.43	0.99	0.21	0.0	0.07	0.0	0.0	0.0	1.70
S	0.36	0.71	0.0	0.0	0.0	0.0	0.0	0.0	1.07
SSW	0.36	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.50
SW	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.14
W	0.0	0.07	0.14	0.07	0.0	0.0	0.0	0.0	0.28
WNW	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
NW	0.14	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.35
RNW	0.0	0.43	0.07	0.28	0.0	0.0	0.0	0.0	0.78
SUBTOTAL	2.99	8.01	2.47	0.56	0.07	0.0	0.0	0.0	14.10
CALC =	0.14								

201 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

201 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 201 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND SPEED(MPH)

WIND DIRECTION	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	0.14	0.57	0.07	0.0	0.0	0.0	0.0	0.0	0.78
NNE	0.28	0.64	0.14	0.0	0.0	0.0	0.0	0.0	1.06
NE	0.14	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.28
ENE	0.14	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.35
E	0.0	0.43	0.07	0.0	0.0	0.0	0.0	0.0	0.50
ESE	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.14
SE	0.28	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.78
SSE	0.36	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.43
S	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.14	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.35
SUBTOTAL	1.69	2.98	0.35	0.0	0.0	0.0	0.0	0.0	5.02

CALH = 0.21

74 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

74 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 74 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND SPEED(MPH)

WIND DIRECTION	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	0.21	1.13	1.06	1.34	2.19	0.35	0.0	0.0	6.28
NNE	0.42	3.11	1.77	1.55	1.63	0.0	0.0	0.0	8.48
NE	0.35	0.99	1.70	0.49	0.0	0.0	0.0	0.0	3.53
ENE	0.35	0.92	0.35	0.14	0.0	0.0	0.0	0.0	1.76
E	0.28	1.91	0.42	0.07	0.0	0.0	0.0	0.0	2.68
ESE	0.49	1.48	0.78	0.35	0.07	0.0	0.0	0.0	3.17
SE	0.92	5.37	5.30	2.61	1.70	0.0	0.0	0.0	15.90
SSE	0.92	2.90	3.75	1.55	0.71	0.0	0.0	0.0	9.83
S	0.42	3.53	3.46	3.18	2.12	0.0	0.0	0.0	12.71
SSW	0.64	0.85	1.20	1.20	0.49	0.07	0.0	0.0	4.45
SW	0.42	0.42	0.49	0.0	0.0	0.0	0.0	0.0	1.33
WSW	0.28	0.78	1.48	1.20	0.57	0.07	0.0	0.0	4.38
W	0.07	0.85	1.27	1.20	0.85	0.07	0.0	0.0	4.31
WW	0.0	0.28	0.57	1.27	2.76	0.92	0.42	0.07	6.29
NW	0.14	0.28	0.42	0.42	2.54	1.13	0.28	0.07	5.28
NNW	0.28	1.34	1.20	1.91	3.11	1.06	0.07	0.0	8.97
SUBTOTAL	6.19	26.14	25.22	18.48	18.74	3.67	0.77	0.14	99.35

CALH = 0.57

1415 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 98.26 PERCENT

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS A
 DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MAY (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.21
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.28	0.07	0.0	0.0	0.0	0.0	0.35

CALH = 0.0.

5 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

5 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 5 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MAY (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.21
NE	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.14
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.21	0.35	0.0	0.0	0.0	0.0	0.56
CALC =	0.0								

10 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

8 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 10 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.22	0.14	0.0	0.0	0.0	0.0	0.36
NE	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.22
ENE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.07	0.29	0.0	0.0	0.0	0.0	0.0	0.36
SSE	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
S	0.0	0.14	0.14	0.07	0.0	0.0	0.0	0.0	0.35
SSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.21
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.07	0.0	0.0	0.22	0.0	0.0	0.0	0.29
NW	0.0	0.0	0.0	0.22	0.36	0.07	0.0	0.0	0.65
NNW	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.14
SUBTOTAL	0.0	0.35	1.43	0.57	0.72	0.07	0.0	0.0	3.14

CALC = 0.0

47 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

44 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 47 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MAY (74,75)								TOTAL
	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	
N	0.07	0.58	1.44	0.72	1.08	0.07	0.0	0.0	3.96
NNE	0.0	0.43	1.08	0.22	0.0	0.0	0.0	0.0	1.73
NE	0.0	0.36	0.36	0.07	0.0	0.0	0.0	0.0	0.79
ENE	0.0	0.22	0.50	0.0	0.0	0.0	0.0	0.0	0.72
E	0.07	0.07	0.43	0.0	0.0	0.0	0.0	0.0	0.57
ESE	0.0	0.58	0.65	0.36	0.0	0.0	0.0	0.0	1.59
SE	0.0	2.96	5.26	1.44	0.0	0.0	0.0	0.0	9.66
SSE	0.0	2.02	2.02	0.14	0.0	0.0	0.0	0.0	4.18
S	0.0	1.37	2.02	0.43	0.07	0.0	0.0	0.0	3.89
SSW	0.0	0.29	0.79	0.14	0.0	0.0	0.0	0.0	1.22
SW	0.0	0.58	0.65	0.07	0.0	0.0	0.0	0.0	1.30
WSW	0.0	0.65	0.65	0.58	0.36	0.0	0.0	0.0	2.24
W	0.0	0.43	1.59	1.08	0.29	0.0	0.0	0.0	3.39
NNW	0.0	0.22	1.30	0.79	0.36	0.0	0.0	0.0	2.67
NW	0.0	0.29	0.43	0.87	1.51	0.0	0.07	0.0	3.17
NNW	0.0	0.07	0.36	0.22	0.36	0.22	0.0	0.0	1.23
SUBTOTAL	0.14	11.12	19.53	7.13	4.03	0.29	0.07	0.0	42.31
CALM =	0.0								

611 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

587 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 611 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MAY (74,75)								TOTAL
	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	
N	0.22	1.30	1.23	0.36	0.29	0.07	0.0	0.0	3.47
NNE	0.29	1.44	1.01	0.29	0.14	0.07	0.0	0.0	3.24
NE	0.07	1.08	0.36	0.0	0.0	0.0	0.0	0.0	1.51
ENE	0.29	0.50	0.07	0.0	0.0	0.0	0.0	0.0	0.86
E	0.0	1.15	0.58	0.14	0.0	0.0	0.0	0.0	1.87
ESE	0.22	2.16	1.51	0.29	0.0	0.0	0.0	0.0	4.18
SE	0.58	5.48	2.74	0.43	0.07	0.0	0.0	0.0	9.30
SSE	0.50	2.52	0.50	0.14	0.0	0.0	0.0	0.0	3.66
S	0.29	1.01	0.65	0.0	0.0	0.0	0.0	0.0	1.95
SSW	0.07	1.08	0.22	0.0	0.0	0.0	0.0	0.0	1.37
SW	0.22	0.50	0.07	0.0	0.0	0.0	0.0	0.0	0.79
WSW	0.0	0.72	0.29	0.07	0.14	0.07	0.0	0.0	1.29
W	0.0	0.72	0.72	0.14	0.07	0.0	0.0	0.0	1.65
WNW	0.0	0.22	0.43	0.07	0.0	0.0	0.0	0.0	0.72
NW	0.07	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.21
NNW	0.14	0.94	0.87	0.14	0.22	0.0	0.0	0.0	2.31
SUBTOTAL	2.96	20.82	11.39	2.07	0.93	0.21	0.0	0.0	38.38

CALM = 0.14

545 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

535 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 545 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MAY (74,75)								TOTAL
	0.6-1.4	1.5-3.4	3.5-5.4	WIND SPEED (MPH)					
				5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	≥24.5	
N	0.50	0.50	0.07	0.07	0.0	0.0	0.0	0.0	1.14
NNE	0.79	1.15	0.29	0.0	0.0	0.0	0.0	0.0	2.23
NE	0.36	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.79
ENE	0.58	0.79	0.0	0.0	0.0	0.0	0.0	0.0	1.37
E	0.07	0.58	0.07	0.0	0.0	0.0	0.0	0.0	0.72
ESE	0.07	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.72
SE	0.29	0.72	0.0	0.0	0.0	0.0	0.0	0.0	1.01
SSE	0.43	0.58	0.0	0.0	0.0	0.0	0.0	0.0	1.01
S	0.29	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.65
SSW	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
SW	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.22
WSW	0.29	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.36
W	0.14	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.28
WNW	0.22	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.29
NW	0.14	0.36	0.0	0.0	0.0	0.07	0.0	0.0	0.57
NNW	0.43	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.72
SUBTOTAL	4.74	6.91	0.43	0.07	0.0	0.07	0.0	0.0	12.22
CALC *	0.58								

184 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

178 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 184 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.22	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.58
NNE	0.14	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.50
NE	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
ENE	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.21
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
NNW	0.14	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.36
SUBTOTAL	0.71	1.36	0.0	0.0	0.0	0.0	0.0	0.0	2.07
CALM =	0.07								

34 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

30 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 34 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	1.01	2.73	2.73	1.29	1.37	0.14	0.0	0.0	9.27
NNE	1.22	3.38	2.81	0.86	0.14	0.07	0.0	0.0	8.48
NE	0.50	1.94	0.94	0.22	0.0	0.0	0.0	0.0	3.60
ENE	0.94	1.58	0.65	0.0	0.0	0.0	0.0	0.0	3.17
E	0.14	1.80	1.08	0.14	0.0	0.0	0.0	0.0	3.16
ESE	0.29	3.53	2.16	0.65	0.0	0.0	0.0	0.0	6.63
SE	0.56	9.21	8.35	1.87	0.07	0.0	0.0	0.0	20.36
SSE	0.94	5.18	2.81	0.29	0.0	0.0	0.0	0.0	9.22
S	0.58	2.88	2.88	0.50	0.07	0.0	0.0	0.0	6.91
SSH	0.29	1.51	1.15	0.14	0.0	0.0	0.0	0.0	3.09
SW	0.22	1.29	0.86	0.07	0.0	0.0	0.0	0.0	2.44
WSW	0.29	1.44	1.15	0.72	0.50	0.07	0.0	0.0	4.17
W	0.14	1.29	2.30	1.22	0.36	0.0	0.0	0.0	5.31
WNW	0.22	0.58	1.73	0.86	0.58	0.0	0.0	0.0	3.97
NW	0.22	0.72	0.58	1.08	1.87	0.14	0.07	0.0	4.68
NNW	0.72	1.51	1.22	0.36	0.72	0.22	0.0	0.0	4.75
SUBTOTAL	8.58	40.57	33.40	10.27	5.68	0.64	0.07	0.0	99.21

CALC = 0.79

1390 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 93.41 PERCENT

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
 DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.08	0.08	0.0	0.0	0.0	0.16
NNE	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.08
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.15
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.08	0.08	0.0	0.0	0.0	0.16
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.15	0.24	0.24	0.0	0.0	0.0	0.63

CALC = 0.0

11 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

8 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 11 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JUNE (74,75)								TOTAL
	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	
N	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.16
SE	0.0	0.0	0.15	0.08	0.0	0.0	0.0	0.0	0.23
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.08	0.08	0.08	0.0	0.0	0.0	0.24
WNW	0.0	0.0	0.08	0.23	0.08	0.0	0.0	0.0	0.39
NW	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.08
NNW	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
SUBTOTAL	0.0	0.08	0.55	0.47	0.24	0.08	0.0	0.0	1.42
CALH =	0.0								

20 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

16 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 20 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
 -1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JUNE (74,75)								TOTAL
	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	
N	0.0	0.0	0.08	0.15	0.08	0.0	0.0	0.0	0.31
NNE	0.0	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.16
NE	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
ENE	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.08
E	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
ESE	0.0	0.0	0.08	0.15	0.23	0.0	0.0	0.0	0.46
SE	0.0	0.08	0.15	0.31	0.15	0.0	0.0	0.0	0.69
SSE	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
S	0.0	0.15	0.08	0.0	0.0	0.0	0.0	0.0	0.23
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.08	0.23	0.08	0.0	0.0	0.0	0.0	0.39
WSW	0.0	0.08	0.08	0.08	0.15	0.0	0.0	0.0	0.39
W	0.0	0.0	0.15	0.08	0.0	0.0	0.0	0.0	0.23
WNW	0.0	0.0	0.0	0.31	0.15	0.0	0.0	0.0	0.46
NW	0.0	0.0	0.0	0.23	0.46	0.08	0.0	0.0	0.77
NNW	0.0	0.0	0.08	0.0	0.15	0.0	0.0	0.0	0.23
SUBTOTAL	0.0	0.47	1.17	1.55	1.37	0.08	0.0	0.0	4.64
CALM =	0.0								

69 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

60 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 69 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JUNE (74,75)								TOTAL
	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	
N	0.0	0.54	1.23	0.85	1.00	0.0	0.0	0.0	3.62
NNE	0.0	0.08	0.31	0.08	0.0	0.0	0.0	0.0	0.47
NE	0.0	0.08	0.31	0.0	0.0	0.0	0.0	0.0	0.39
ENE	0.0	0.08	0.15	0.0	0.0	0.0	0.0	0.0	0.23
E	0.0	0.15	0.08	0.0	0.0	0.0	0.0	0.0	0.23
ESE	0.0	0.31	1.08	1.23	0.31	0.0	0.0	0.0	2.93
SE	0.0	2.01	3.32	2.16	0.93	0.0	0.0	0.0	8.42
SSE	0.0	1.39	1.16	0.39	0.0	0.0	0.0	0.0	2.94
S	0.08	1.85	2.16	0.08	0.0	0.0	0.0	0.0	4.17
SSW	0.0	0.54	0.31	0.08	0.0	0.0	0.0	0.0	0.93
SW	0.08	0.46	0.77	0.0	0.0	0.0	0.0	0.0	1.31
WSW	0.0	0.62	1.62	0.93	0.62	0.0	0.0	0.0	3.79
W	0.0	0.15	2.47	1.39	1.00	0.0	0.0	0.0	5.01
WW	0.0	0.08	0.62	0.62	1.08	0.15	0.0	0.0	2.55
NW	0.0	0.08	0.39	1.31	1.70	0.15	0.0	0.0	3.63
NNW	0.0	0.39	0.46	0.85	1.00	0.0	0.0	0.0	2.70
SUBTOTAL	0.16	8.81	16.44	9.97	7.64	0.30	0.0	0.0	43.32
CALM =	0.0								

584 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

561 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 584 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JUNE (74,75)								
	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	0.15	0.69	0.23	0.31	0.08	0.0	0.0	0.0	1.46
NNE	0.15	0.77	0.23	0.08	0.08	0.0	0.0	0.0	1.31
NE	0.08	0.93	0.23	0.0	0.0	0.0	0.0	0.0	1.24
ENE	0.15	0.54	0.08	0.0	0.0	0.0	0.0	0.0	0.77
E	0.0	0.46	0.39	0.0	0.0	0.0	0.0	0.0	0.85
ESE	0.23	1.31	1.31	1.00	0.08	0.0	0.0	0.0	3.93
SE	0.0	1.85	1.54	2.55	0.31	0.0	0.0	0.0	6.25
SSE	0.15	0.69	0.69	0.08	0.08	0.0	0.0	0.0	1.69
S	0.39	1.62	0.46	0.08	0.08	0.0	0.0	0.0	2.63
SSW	0.23	0.85	0.08	0.0	0.08	0.0	0.0	0.0	1.24
SW	0.15	1.16	0.08	0.0	0.0	0.0	0.0	0.0	1.39
WSW	0.15	1.16	1.00	0.0	0.08	0.0	0.0	0.0	2.39
W	0.08	1.23	1.23	0.23	0.15	0.0	0.0	0.0	2.92
WNW	0.08	0.46	0.15	0.15	0.0	0.0	0.0	0.0	0.84
NW	0.08	0.15	0.23	0.08	0.0	0.0	0.0	0.0	0.54
NNW	0.39	0.62	0.85	0.77	0.08	0.0	0.0	0.0	2.71
SUBTOTAL	2.46	14.49	8.78	5.33	1.10	0.0	0.0	0.0	32.16

CALC = 0.08

439 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

418 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 439 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JUNE (74,75)								TOTAL
	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	
N	0.23	1.85	0.23	0.0	0.0	0.0	0.0	0.0	2.31
NNE	0.31	2.85	0.69	0.31	0.0	0.0	0.0	0.0	4.16
NE	0.15	0.93	0.15	0.0	0.0	0.0	0.0	0.0	1.23
ENE	0.39	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.39
E	0.08	0.77	0.31	0.08	0.0	0.0	0.0	0.0	1.24
ESE	0.08	0.23	0.08	0.0	0.0	0.0	0.0	0.0	0.39
SE	0.15	0.39	0.0	0.0	0.0	0.0	0.0	0.0	0.54
SSE	0.23	0.39	0.0	0.0	0.0	0.0	0.0	0.0	0.62
S	0.23	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.38
SSW	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.23
SW	0.23	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.69
WSW	0.0	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.54
W	0.0	0.15	0.08	0.0	0.0	0.0	0.0	0.0	0.23
WNW	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.15
NW	0.08	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.23
NNW	0.39	0.69	0.15	0.08	0.0	0.0	0.0	0.0	1.31
SUBTOTAL	2.55	10.93	1.69	0.47	0.0	0.0	0.0	0.0	15.64

CALC = 0.08

205 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

204 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 205 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.54	0.08	0.0	0.0	0.0	0.0	0.0	0.62
NNE	0.0	0.54	0.39	0.08	0.0	0.0	0.0	0.0	1.01
NE	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
NNW	0.08	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.23
SUBTOTAL	0.16	1.39	0.47	0.08	0.0	0.0	0.0	0.0	2.10
CALM =	0.0								

27 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

27 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 27 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.38	3.65	1.90	1.37	1.22	0.0	0.0	0.0	8.52
NNE	0.46	4.18	1.67	0.61	0.15	0.0	0.0	0.0	7.07
NE	0.23	1.98	0.76	0.08	0.0	0.0	0.0	0.0	3.05
ENE	0.53	1.82	0.23	0.08	0.0	0.0	0.0	0.0	2.66
E	0.08	1.37	0.84	0.08	0.0	0.0	0.0	0.0	2.37
ESE	0.30	1.90	2.58	2.43	0.61	0.0	0.0	0.0	7.82
SE	0.15	4.26	5.62	5.17	1.37	0.0	0.0	0.0	16.57
SSE	0.38	2.58	1.82	0.46	0.08	0.0	0.0	0.0	5.32
S	0.68	3.88	2.81	0.15	0.08	0.0	0.0	0.0	7.60
SSW	0.23	1.60	0.38	0.08	0.08	0.0	0.0	0.0	2.37
SW	0.53	2.13	1.06	0.08	0.0	0.0	0.0	0.0	3.80
WSW	0.15	2.36	2.81	0.99	0.84	0.0	0.0	0.0	7.15
W	0.08	1.52	3.95	1.75	1.29	0.0	0.0	0.0	8.59
WNW	0.08	0.68	0.91	1.37	1.37	0.15	0.0	0.0	4.56
NW	0.15	0.46	0.61	1.60	2.13	0.30	0.0	0.0	5.25
NNW	0.84	1.82	1.52	1.67	1.37	0.0	0.0	0.0	7.22
SUBTOTAL	5.25	36.19	29.47	17.97	10.59	0.45	0.0	0.0	99.92

CALM = 0.15

1316 VALID WIND DIRECTION - WIND SPEED READINGS CUT OF 1440 TOTAL HOURS = 91.39 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
SSE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.14
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.28	0.28	0.14	0.0	0.0	0.0	0.0	0.70

CALC = 0.0

10 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

10 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 10 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALK TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS B
 -1.9 < DELTA-T < -1.7 DEG. C/10CM

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.07	0.21	0.0	0.0	0.0	0.0	0.0	0.26
SE	0.0	0.28	0.28	0.0	0.07	0.0	0.0	0.0	0.63
SSE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
SSH	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSH	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.21
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
SUBTOTAL	0.0	0.49	0.91	0.14	0.07	0.0	0.0	0.0	1.61
CALC =	0.0								

23 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

23 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 23 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.07	0.0	0.14	0.0	0.0	0.0	0.21
NNE	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
NE	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.14	0.0	0.07	0.0	0.0	0.0	0.0	0.21
SE	0.0	0.35	0.56	0.28	0.0	0.0	0.0	0.0	1.19
SSE	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.28
S	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
SSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.07	0.28	0.0	0.0	0.0	0.0	0.0	0.35
WSW	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.21
W	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
NW	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.21
NNW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SUBTOTAL	0.0	1.05	1.40	0.63	0.35	0.0	0.0	0.0	3.43

CALM = 0.0

50 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

49 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 50 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
 -1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.07	0.77	1.54	0.42	0.14	0.0	0.0	0.0	2.94
NNE	0.0	0.91	0.56	0.07	0.07	0.0	0.0	0.0	1.61
NE	0.0	0.56	0.56	0.0	0.0	0.0	0.0	0.0	1.12
ENE	0.0	0.21	0.14	0.0	0.0	0.0	0.0	0.0	0.35
E	0.0	0.21	0.42	0.21	0.07	0.0	0.0	0.0	0.91
ESE	0.0	0.84	0.70	0.26	0.35	0.0	0.0	0.0	2.17
SE	0.07	2.79	2.79	0.49	0.28	0.0	0.0	0.0	6.42
SSE	0.07	1.82	1.12	0.0	0.0	0.0	0.0	0.0	3.01
S	0.0	2.58	1.61	0.0	0.0	0.0	0.0	0.0	4.19
SSW	0.0	1.19	0.35	0.0	0.0	0.0	0.0	0.0	1.54
SW	0.07	0.56	0.91	0.0	0.0	0.0	0.0	0.0	1.54
WSW	0.0	1.61	2.44	0.42	0.0	0.0	0.0	0.0	4.47
W	0.0	0.63	1.96	1.40	0.0	0.0	0.0	0.0	3.99
WNW	0.0	0.49	0.84	1.54	0.84	0.0	0.0	0.0	3.71
NW	0.0	0.21	0.56	1.33	1.26	0.0	0.0	0.0	3.36
NNW	0.07	0.35	0.77	0.91	0.70	0.07	0.0	0.0	2.87
SUBTOTAL	0.35	15.73	17.27	7.07	3.71	0.07	0.0	0.0	44.20

CALM = 0.0

637 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

632 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 637 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6-14	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	
N	0.28	1.40	0.56	0.42	0.42	0.0	0.0	0.0	3.08
NNE	0.21	1.40	0.49	0.07	0.0	0.0	0.0	0.0	2.17
NE	0.21	1.26	0.28	0.0	0.0	0.0	0.0	0.0	1.75
ENE	0.21	1.12	0.28	0.0	0.07	0.0	0.0	0.0	1.68
E	0.07	0.84	0.77	0.21	0.07	0.0	0.0	0.0	1.96
ESE	0.07	1.12	0.84	0.49	0.91	0.0	0.0	0.0	3.43
SE	0.21	2.30	1.26	0.35	0.42	0.0	0.0	0.0	4.54
SSE	0.35	0.56	0.21	0.21	0.0	0.0	0.0	0.0	1.33
S	0.35	1.19	0.0	0.0	0.0	0.0	0.0	0.0	1.54
SSW	0.42	1.19	0.0	0.0	0.0	0.0	0.0	0.0	1.61
SW	0.21	1.19	0.0	0.0	0.0	0.0	0.0	0.0	1.40
WSW	0.07	1.61	0.35	0.0	0.0	0.0	0.0	0.0	2.03
W	0.07	1.40	2.16	0.42	0.0	0.0	0.0	0.0	4.05
WNW	0.07	0.35	0.63	0.0	0.0	0.0	0.0	0.0	1.05
NW	0.21	0.0	0.49	0.0	0.14	0.0	0.0	0.0	0.84
NNW	0.14	1.47	0.98	0.21	0.0	0.0	0.0	0.0	2.80
SUBTOTAL	3.15	18.40	9.30	2.38	2.03	0.0	0.0	0.0	35.26

CALM = 0.21

508 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

507 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 508 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.56	1.82	0.28	0.49	0.0	0.0	0.0	0.0	3.15
NNE	0.35	1.96	0.14	0.07	0.0	0.0	0.0	0.0	2.52
NE	0.28	0.84	0.0	0.0	0.0	0.0	0.0	0.0	1.12
ENE	0.21	1.05	0.0	0.0	0.0	0.0	0.0	0.0	1.26
E	0.0	0.63	0.07	0.0	0.0	0.0	0.0	0.0	0.70
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.28
SSE	0.28	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.35
S	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.21
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.28	0.21	0.0	0.0	0.0	0.0	0.0	0.49
WNW	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.21
NW	0.14	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.35
NNW	0.70	1.05	0.35	0.0	0.0	0.0	0.0	0.0	2.10
SUBTOTAL	2.87	8.33	1.12	0.56	0.0	0.0	0.0	0.0	12.88

CALC = 0.21

187 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

187 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 187 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.07	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.70
NNE	0.14	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.91
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SUBTOTAL	0.28	1.40	0.0	0.0	0.0	0.0	0.0	0.0	1.68

CALC = 0.0

24 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

24 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 24 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	0.96	4.52	2.40	1.37	0.68	0.0	0.0	0.0	9.93
NNE	0.68	4.93	1.37	0.21	0.07	0.0	0.0	0.0	7.26
NE	0.55	2.74	0.89	0.0	0.0	0.0	0.0	0.0	4.18
ENE	0.41	2.33	0.41	0.0	0.07	0.0	0.0	0.0	3.22
E	0.07	1.64	1.64	0.41	0.14	0.0	0.0	0.0	3.90
ESE	0.07	2.19	1.71	0.82	1.37	0.0	0.0	0.0	6.16
SE	0.48	5.82	4.93	1.16	0.75	0.0	0.0	0.0	13.14
SSE	0.68	2.88	1.44	0.21	0.0	0.0	0.0	0.0	5.21
S	0.41	3.97	1.78	0.0	0.0	0.0	0.0	0.0	6.16
SSW	0.41	2.53	0.41	0.0	0.0	0.0	0.0	0.0	3.35
SW	0.34	1.99	1.30	0.0	0.0	0.0	0.0	0.0	3.63
WSW	0.07	3.29	3.08	0.48	0.0	0.0	0.0	0.0	6.92
W	0.07	2.26	4.32	1.85	0.0	0.0	0.0	0.0	8.50
WNW	0.07	0.96	1.64	1.71	0.89	0.0	0.0	0.0	5.27
NW	0.34	0.41	1.10	1.51	1.51	0.0	0.0	0.0	4.87
NNW	0.96	2.81	2.12	1.16	0.75	0.07	0.0	0.0	7.87
SUBTOTAL	6.57	45.27	30.54	10.89	6.23	0.07	0.0	0.0	99.57
CALM =	0.41								

1460 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 98.12 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
 DELTA T <= -1.9 DEG. C/100K

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)
 WIND SPEED (MPH)

WIND DIRECTION	0.6-1.6	1.5-3.6	3.5-5.6	5.5-7.6	7.5-12.6	12.5-18.6	18.5-24.6	≥24.5	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.28
SE	0.0	0.07	0.49	0.07	0.0	0.0	0.0	0.0	0.63
SSE	0.0	0.0	0.49	0.0	0.0	0.0	0.0	0.0	0.49
S	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.07	1.26	0.21	0.0	0.0	0.0	0.0	1.54

CALM = 0.0

22 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

22 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 22 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

AUGUST (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.78	0.14	0.0	0.0	0.0	0.0	0.92
SSE	0.0	0.14	0.21	0.0	0.0	0.0	0.0	0.0	0.35
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.21	1.13	0.14	0.0	0.0	0.0	0.0	1.48

CALC = 0.07

22 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

22 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 22 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T < -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.07	0.0	0.14	0.0	0.0	0.0	0.21
NNE	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
NE	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.21
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.42	0.21	0.07	0.0	0.0	0.0	0.70
SE	0.0	0.28	1.27	0.21	0.0	0.0	0.0	0.0	1.76
SSE	0.0	0.21	0.64	0.14	0.0	0.0	0.0	0.0	0.99
S	0.07	0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.64
SSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.28
W	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.14
WNW	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
NW	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.21
NNW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SUBTOTAL	0.07	0.63	3.74	0.84	0.42	0.0	0.0	0.0	5.70

CALM = 0.0

* STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

* VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL * STABILITY CLASS C OCCURRENCES

* ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

* METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	AUGUST (74,75)								TOTAL
	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	
N	0.07	0.42	0.42	0.28	0.0	0.07	0.0	0.0	1.26
NNE	0.0	0.21	0.14	0.35	0.0	0.0	0.0	0.0	0.70
NE	0.07	0.28	0.21	0.07	0.0	0.0	0.0	0.0	0.63
ENE	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.21
E	0.07	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.35
ESE	0.07	1.34	1.27	1.06	0.21	0.0	0.0	0.0	3.95
SE	0.0	3.89	4.10	1.34	0.21	0.0	0.0	0.0	9.54
SSE	0.0	3.60	2.33	0.0	0.0	0.0	0.0	0.0	5.93
S	0.0	2.97	1.70	0.07	0.0	0.0	0.0	0.0	4.74
SSW	0.07	1.27	0.92	0.07	0.0	0.0	0.0	0.0	2.33
SW	0.0	1.06	0.42	0.0	0.0	0.0	0.0	0.0	1.48
WSW	0.0	1.48	2.05	0.14	0.0	0.0	0.0	0.0	3.67
W	0.0	0.57	1.91	0.42	0.0	0.0	0.0	0.0	2.90
WNW	0.0	0.14	1.13	1.06	0.49	0.0	0.0	0.0	2.82
NW	0.0	0.0	0.85	0.71	0.28	0.0	0.0	0.0	1.84
NNW	0.0	0.07	0.35	0.35	0.35	0.0	0.0	0.0	1.12
SUBTOTAL	0.35	17.65	17.94	5.92	1.54	0.07	0.0	0.0	43.47
CALM =	0.07								

626 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

617 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 626 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS E
 -0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)
 WIND SPEED (MPH)

WIND DIRECTION	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=30-4	TOTAL
N	0.21	0.49	0.64	0.21	0.0	0.0	0.0	0.0	1.55
NNE	0.21	1.27	0.07	0.0	0.0	0.0	0.0	0.0	1.55
NE	0.21	0.64	0.07	0.0	0.0	0.0	0.0	0.0	0.92
NNE	0.21	1.06	0.21	0.0	0.0	0.0	0.0	0.0	1.48
E	0.0	2.19	0.78	0.0	0.0	0.0	0.0	0.0	2.97
ESE	0.0	2.05	1.41	0.42	0.07	0.0	0.0	0.0	3.95
SE	0.35	3.60	2.12	0.49	0.14	0.0	0.0	0.0	6.70
SSE	0.0	0.99	0.14	0.07	0.0	0.0	0.0	0.0	1.20
S	0.0	1.13	0.07	0.0	0.0	0.0	0.0	0.0	1.20
SSW	0.28	1.27	0.07	0.0	0.0	0.0	0.0	0.0	1.62
SW	0.14	0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.99
WSW	0.07	1.27	0.49	0.07	0.07	0.0	0.0	0.0	1.97
W	0.14	1.34	1.34	0.0	0.0	0.0	0.0	0.0	2.82
WNW	0.07	0.07	0.07	0.0	0.07	0.0	0.0	0.0	0.28
NW	0.07	0.14	0.28	0.07	0.0	0.07	0.0	0.0	0.63
NNW	0.14	0.28	0.21	0.14	0.07	0.0	0.0	0.0	0.84
SUBTOTAL	2.10	18.64	7.97	1.47	0.42	0.07	0.0	0.0	30.67

CALC = 0.07

440 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

436 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 440 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

MINUTE PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.78	1.20	0.07	0.07	0.0	0.0	0.0	0.0	2.12
NNE	0.71	1.70	0.35	0.0	0.0	0.0	0.0	0.0	2.76
NE	0.28	0.92	0.14	0.0	0.0	0.0	0.0	0.0	1.34
ENE	0.21	2.40	0.0	0.0	0.0	0.0	0.0	0.0	2.61
E	0.0	1.20	0.71	0.0	0.0	0.0	0.0	0.0	1.91
ESE	0.07	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.35
SE	0.07	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.35
SSE	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
S	0.28	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.49
SSH	0.07	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.26
SW	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.28
WSW	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.14	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.28
NW	0.21	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.28
NNW	0.28	0.14	0.21	0.14	0.0	0.0	0.0	0.0	0.77
SUBTOTAL	3.45	8.89	1.55	0.21	0.0	0.0	0.0	0.0	14.10

CALH = 0.07

201 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

201 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 201 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.07	0.49	0.07	0.0	0.0	0.0	0.0	0.0	0.63
NNE	0.14	1.06	0.0	0.0	0.0	0.0	0.0	0.0	1.20
NE	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.14
ENE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.21
SSW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
NNW	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
SUBTOTAL	0.35	2.04	0.14	0.0	0.0	0.0	0.0	0.0	2.53

CALM = 0.0

36 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

36 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 36 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	AUGUST (74,75) WIND SPEED (MPH)								TOTAL
	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	
N	1.10	2.60	1.30	0.55	0.14	0.07	0.0	0.0	5.76
NNE	1.03	4.11	0.75	0.34	0.0	0.0	0.0	0.0	6.23
NE	0.55	2.05	0.48	0.14	0.0	0.0	0.0	0.0	3.22
ENE	0.41	3.56	0.27	0.0	0.0	0.0	0.0	0.0	4.24
E	0.07	3.70	1.51	0.6	0.0	0.0	0.0	0.0	5.28
ESE	0.14	3.70	3.22	1.78	0.34	0.0	0.0	0.0	9.18
SE	0.48	8.01	8.62	2.19	0.34	0.0	0.0	0.0	19.64
SSE	0.07	5.27	3.97	0.21	0.0	0.0	0.0	0.0	9.52
S	0.41	4.79	2.53	0.07	0.0	0.0	0.0	0.0	7.80
SSW	0.55	2.74	1.03	0.07	0.0	0.0	0.0	0.0	4.39
SW	0.41	1.98	0.55	0.0	0.0	0.0	0.0	0.0	2.94
WSW	0.14	2.81	2.81	0.21	0.07	0.0	0.0	0.0	6.04
W	0.14	1.98	3.35	0.62	0.0	0.0	0.0	0.0	6.09
WNW	0.21	0.48	1.37	1.03	0.55	0.0	0.0	0.0	3.64
NW	0.27	0.21	1.16	0.82	0.41	0.07	0.0	0.0	2.94
NNW	0.41	0.55	0.82	0.62	0.48	0.0	0.0	0.0	2.88
SUBTOTAL	6.39	48.54	33.74	8.65	2.33	0.14	0.0	0.0	99.79
CALM =	0.27								

.1461 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 98.19 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T<=-1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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=30.4	
N	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSE	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.22
S	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.15
SSW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.51	0.14	0.0	0.0	0.0	0.0	0.65

CALM = 0.0

9 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

9 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 9 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG: C/10CM

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT: (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.07	0.15	0.0	0.0	0.0	0.0	0.22
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.0	0.14
SE	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.22
SSE	0.0	0.0	0.30	0.07	0.0	0.0	0.0	0.0	0.37
S	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.94	0.22	0.07	0.0	0.0	0.0	1.23
CALM =	0.0								

18 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

17 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 18 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND DIRECTION	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	24-24-5	TOTAL
N	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.07	0.0	0.15	0.0	0.0	0.0	0.22
NE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.15	0.07	0.0	0.0	0.0	0.0	0.22
SE	0.0	0.0	0.60	0.07	0.07	0.0	0.0	0.0	0.74
SSE	0.0	0.22	0.07	0.0	0.0	0.0	0.0	0.0	0.29
S	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.37
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.07	0.30	0.0	0.0	0.0	0.37
WNK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.22	1.26	0.42	0.59	0.0	0.0	0.0	2.49

CALC = 0.0

35 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

34 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 35 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWN'S FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	SEPT. (74,75)								
	WIND SPEED (MPH)								
	0-4=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	0.0	0.22	1.27	2.53	2.36	0.22	0.0	0.0	6.62
NNE	0.0	0.75	1.27	1.34	0.82	0.0	0.0	0.0	4.18
NE	0.0	0.37	0.60	0.37	0.0	0.0	0.0	0.0	1.34
ENE	0.0	0.30	0.22	0.07	0.0	0.0	0.0	0.0	0.59
E	0.0	0.52	0.30	0.07	0.0	0.0	0.0	0.0	0.89
ESE	0.0	0.82	1.49	0.52	0.15	0.0	0.0	0.0	2.98
SE	0.0	1.86	3.20	0.97	0.45	0.0	0.0	0.0	6.48
SSE	0.0	2.01	1.27	0.15	0.07	0.0	0.0	0.0	3.50
S	0.0	0.89	1.34	0.07	0.0	0.0	0.0	0.0	2.30
SSW	0.0	0.30	0.07	0.07	0.0	0.0	0.0	0.0	0.44
SW	0.07	0.37	0.37	0.07	0.15	0.0	0.0	0.0	1.03
WSW	0.0	0.30	0.22	0.22	0.0	0.0	0.0	0.0	0.74
W	0.0	0.45	0.37	0.52	0.15	0.0	0.0	0.0	1.49
WNW	0.0	0.22	0.37	0.22	0.89	0.07	0.0	0.0	1.77
NW	0.0	0.07	0.15	0.45	2.01	0.45	0.0	0.0	3.13
NNW	0.0	0.45	0.67	1.56	2.38	0.15	0.07	0.0	5.28
SUBTOTAL	0.07	9.90	13.18	9.20	9.45	0.89	0.07	0.0	42.76
CALM =	0.0								

592 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

575 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 592 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWN'S FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
 $-0.5 < \Delta T \leq 1.5$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	SEPT. (74,75)								
	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	0.15	0.75	0.89	0.75	0.37	0.0	0.0	0.0	2.91
NNE	0.37	2.09	1.19	0.45	0.45	0.0	0.0	0.0	4.55
NE	0.22	0.75	0.97	0.22	0.45	0.0	0.0	0.0	2.61
ENE	0.07	1.79	0.22	0.0	0.0	0.0	0.0	0.0	2.06
E	0.0	1.64	1.12	0.07	0.0	0.0	0.0	0.0	2.83
ESE	0.15	1.42	2.01	1.19	0.0	0.0	0.0	0.0	4.77
SE	0.22	2.24	1.42	0.22	0.0	0.0	0.0	0.0	4.10
SSE	0.07	0.67	0.37	0.07	0.0	0.0	0.0	0.0	1.16
S	0.07	0.37	0.45	0.07	0.0	0.0	0.0	0.0	0.96
SSW	0.0	0.15	0.30	0.0	0.0	0.0	0.0	0.0	0.45
SW	0.07	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.52
WSW	0.0	0.22	0.22	0.07	0.0	0.0	0.0	0.0	0.51
W	0.0	0.07	0.37	0.07	0.0	0.0	0.0	0.0	0.51
WNW	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.21
NW	0.15	0.30	0.22	0.07	0.22	0.0	0.0	0.0	0.96
NNW	0.0	0.82	0.60	0.52	0.15	0.0	0.0	0.0	2.09
SUBTOTAL	1.61	13.80	10.42	3.77	1.64	0.0	0.0	0.0	31.24

CALM = 0.0

425 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1970 VALID TEMPERATURE DIFFERENCE READINGS

420 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 425 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	SEPT. (74,75)								TOTAL
	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	
N	0.22	1.86	0.75	0.52	0.15	0.0	0.0	0.0	3.50
NNE	0.15	1.64	0.60	0.15	0.0	0.0	0.0	0.0	2.54
NE	0.22	1.19	0.30	0.07	0.0	0.0	0.0	0.0	1.78
ENE	0.15	2.31	0.07	0.0	0.0	0.0	0.0	0.0	2.53
E	0.22	2.09	0.82	0.0	0.0	0.0	0.0	0.0	3.13
ESE	0.0	0.30	0.07	0.0	0.0	0.0	0.0	0.0	0.37
SE	0.22	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.52
SSE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
S	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.37
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
W	0.07	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.37
NNW	0.0	0.45	0.60	0.22	0.07	0.0	0.0	0.0	1.34
SUBTOTAL	1.39	11.02	3.21	0.96	0.22	0.0	0.0	0.0	16.80
CALC *	0.0								

230 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

226 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 230 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0-4=1-4	4-5=3-4	5-9=5-4	10-14=7-4	15-24=12-4	25-34=18-4	35-44=24-4	≥45	TOTAL
N	0.30	0.89	0.60	0.07	0.0	0.0	0.0	0.0	1.86
NNE	0.0	1.04	0.30	0.0	0.0	0.0	0.0	0.0	1.34
NE	0.0	0.15	0.07	0.0	0.0	0.0	0.0	0.0	0.22
ENE	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.22
E	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SSE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
NNW	0.07	0.30	0.15	0.07	0.0	0.0	0.0	0.0	0.59
SUBTOTAL	0.44	2.81	1.12	0.14	0.0	0.0	0.0	0.0	4.51

CALM = 0.0

61 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

61 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 61 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	0-4=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		
N	0.66	3.64	3.64	3.66	2.84	0.22	0.0	0.0	0.0	14.86
NNE	0.51	5.46	3.42	2.18	1.38	0.0	0.0	0.0	0.0	12.95
NE	0.44	2.40	1.89	0.65	0.51	0.0	0.0	0.0	0.0	5.90
ENE	0.22	4.52	0.51	0.07	0.0	0.0	0.0	0.0	0.0	5.32
E	0.29	4.22	2.26	0.22	0.0	0.0	0.0	0.0	0.0	6.99
ESE	0.15	2.48	3.79	1.75	0.22	0.0	0.0	0.0	0.0	8.39
SE	0.44	4.44	5.39	1.24	0.51	0.0	0.0	0.0	0.0	12.02
SSE	0.07	2.99	2.40	0.29	0.07	0.0	0.0	0.0	0.0	5.82
S	0.15	1.24	2.40	0.22	0.0	0.0	0.0	0.0	0.0	4.01
SSW	0.0	0.58	0.58	0.15	0.0	0.0	0.0	0.0	0.0	1.31
SW	0.15	1.17	0.51	0.07	0.15	0.0	0.0	0.0	0.0	2.05
WSW	0.0	0.51	0.44	0.36	0.0	0.0	0.0	0.0	0.0	1.31
W	0.0	0.51	0.87	0.87	0.22	0.0	0.0	0.0	0.0	2.47
WNW	0.15	0.36	0.44	0.44	0.87	0.07	0.0	0.0	0.0	2.33
NW	0.22	0.73	0.36	0.66	2.55	0.44	0.0	0.0	0.0	4.96
NNW	0.07	1.97	1.97	2.33	2.77	0.15	0.07	0.0	0.0	9.33
SUBTOTAL	3.52	37.22	30.87	15.37	12.09	0.88	0.07	0.0	0.0	100.02

CALM = 0.0

1373 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 95.35 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS A
 DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0.5-1.4	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	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
NNE	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.15	0.31	0.15	0.0	0.0	0.0	0.61
SSE	0.0	0.08	0.08	0.08	0.0	0.0	0.0	0.0	0.24
S	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.08	0.39	0.39	0.31	0.0	0.0	0.0	1.17

CALM = 0.0

16 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

15 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 16 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS B
 -1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	OCTOBER (74,75)								
	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	0.0	0.0	0.0	0.08	0.15	0.0	0.0	0.0	0.23
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.08
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.08	0.0	0.15	0.0	0.0	0.0	0.0	0.23
SE	0.0	0.0	0.15	0.31	0.0	0.0	0.0	0.0	0.46
SSE	0.0	0.08	0.23	0.0	0.0	0.0	0.0	0.0	0.31
S	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.24	0.38	0.62	0.15	0.0	0.0	0.0	1.39
CALC =	0.0								

20 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

18 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 20 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0-6-14	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	0.0	0.0	0.08	0.08	0.0	0.15	0.0	0.0	0.31
NNE	0.0	0.0	0.08	0.0	0.38	0.0	0.0	0.0	0.46
NE	0.0	0.0	0.08	0.0	0.08	0.0	0.0	0.0	0.16
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
SE	0.0	0.0	0.23	0.0	0.08	0.0	0.0	0.0	0.31
SSE	0.0	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.31
S	0.0	0.08	0.15	0.0	0.0	0.0	0.0	0.0	0.23
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.15
NW	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
NNW	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
SUBTOTAL	0.0	0.08	1.09	0.23	0.62	0.15	0.0	0.0	2.17
CALM =	0.0								

29 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

28 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 29 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	OCTOBER (74,75)								TOTAL
	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	
N	0.08	0.15	1.00	0.65	1.84	0.15	0.0	0.0	4.07
NNE	0.0	0.38	0.46	0.54	0.69	0.0	0.0	0.0	2.07
NE	0.0	0.31	0.23	0.23	0.15	0.08	0.0	0.0	1.00
ENE	0.0	0.31	0.46	0.0	0.0	0.0	0.0	0.0	0.77
E	0.0	0.31	0.06	0.0	0.0	0.0	0.0	0.0	0.39
ESE	0.0	0.38	0.77	0.23	0.0	0.0	0.0	0.0	1.38
SE	0.0	2.08	2.31	0.31	0.23	0.0	0.0	0.0	4.93
SSE	0.0	1.69	0.69	0.0	0.0	0.0	0.0	0.0	2.38
S	0.0	1.15	0.92	0.0	0.0	0.0	0.0	0.0	2.07
SSW	0.0	0.31	0.15	0.0	0.0	0.0	0.0	0.0	0.46
SW	0.0	0.31	0.46	0.0	0.0	0.0	0.0	0.0	0.77
WSW	0.0	0.31	0.31	0.0	0.0	0.0	0.0	0.0	0.62
W	0.0	0.23	0.69	0.54	0.08	0.0	0.0	0.0	1.54
WNW	0.0	0.08	0.69	0.92	0.85	0.15	0.0	0.0	2.69
NW	0.0	0.08	0.38	1.00	1.23	1.00	0.0	0.0	3.69
NNW	0.0	0.31	0.15	0.15	2.00	0.08	0.0	0.0	2.69
SUBTOTAL	0.08	8.39	9.75	4.77	7.07	1.46	0.0	0.0	31.52
CALM =	0.0								

418 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

410 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 418 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES BY WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

OCTOBER (74,75)
WIND SPEED (MPH)

WIND DIRECTION	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	0.31	0.38	0.46	0.54	0.69	0.0	0.0	0.0	2.36
NNE	0.0	0.61	0.77	0.92	0.31	0.0	0.0	0.0	2.61
NE	0.0	0.69	0.77	0.23	0.08	0.08	0.0	0.0	1.85
ENE	0.0	0.85	0.31	0.0	0.08	0.0	0.0	0.0	1.24
E	0.23	1.46	0.77	0.0	0.0	0.0	0.0	0.0	2.46
ESE	0.08	2.08	1.77	0.23	0.0	0.0	0.0	0.0	4.16
SE	0.31	3.54	3.07	1.00	0.15	0.0	0.0	0.0	8.07
SSE	0.23	0.85	0.15	0.0	0.0	0.0	0.0	0.0	1.23
S	0.0	0.54	0.23	0.0	0.0	0.0	0.0	0.0	0.77
SSW	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
SW	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.31
WSW	0.08	0.38	0.08	0.0	0.0	0.0	0.0	0.0	0.54
W	0.08	0.69	0.38	0.15	0.0	0.0	0.0	0.0	1.30
WNW	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.23
NW	0.0	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.31
NNW	0.0	0.38	0.54	0.54	0.15	0.0	0.0	0.0	1.61
SUBTOTAL	1.32	13.07	9.61	3.61	1.46	0.08	0.0	0.0	29.15

CALC = 0.0

382 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

379 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 382 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
 1.5 < DELTA-T < 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

OCTOBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.38	0.92	0.69	0.31	0.15	0.0	0.0	0.0	2.45
NNE	0.15	1.46	0.23	0.23	0.0	0.0	0.0	0.0	2.07
NE	0.31	0.61	0.08	0.15	0.0	0.0	0.0	0.0	1.15
ENE	0.15	0.92	0.08	0.0	0.0	0.0	0.0	0.0	1.15
E	0.15	1.31	0.38	0.0	0.0	0.0	0.0	0.0	1.84
ESE	0.08	1.84	0.54	0.0	0.0	0.0	0.0	0.0	2.46
SE	0.69	2.38	0.85	0.0	0.0	0.0	0.0	0.0	3.92
SSE	0.23	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.61
S	0.31	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.77
SSW	0.15	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.38
SK	0.23	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.61
WSW	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.31
W	0.08	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.24
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.08	0.38	0.15	0.0	0.0	0.0	0.0	0.0	0.61
NNW	0.08	0.92	0.15	0.05	0.0	0.0	0.0	0.0	1.23
SUBTOTAL	3.07	12.58	3.23	0.77	0.15	0.0	0.0	0.0	19.80
CALM =	0.0								

261 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

258 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 261 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DISPERSELI STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)

WIND DIRECTION	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-16.4	18.5-24.4	≥24.5	TOTAL
N	0.15	1.31	0.0	0.0	0.0	0.0	0.0	0.0	1.46
NNE	0.08	2.61	0.31	0.15	0.0	0.0	0.0	0.0	3.15
NE	0.38	1.15	0.08	0.0	0.0	0.0	0.0	0.0	1.61
E:NE	0.0	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.38
E	0.23	1.23	0.38	0.0	0.0	0.0	0.0	0.0	1.84
ESE	0.0	0.54	0.08	0.0	0.0	0.0	0.0	0.0	0.62
SE	0.23	0.69	0.0	0.0	0.0	0.0	0.0	0.0	0.92
SSE	0.08	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.31
S	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15
SSW	0.15	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.23
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.23	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.31
W	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.15
WNW	0.38	0.38	0.08	0.0	0.0	0.0	0.0	0.0	0.84
NW	0.08	0.77	0.15	0.0	0.0	0.0	0.0	0.0	1.00
NNW	0.31	1.31	0.15	0.0	0.0	0.0	0.0	0.0	1.77
SUBTOTAL	2.45	10.91	1.23	0.15	0.0	0.0	0.0	0.0	14.74

CALM = 0.08

193 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

193 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 193 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	OCTOBER (74,75) WIND SPEED (MPH)								TOTAL
	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	
N	0.82	2.75	2.47	1.72	2.82	0.27	0.0	0.0	10.85
NNE	0.21	4.67	1.86	1.65	1.31	0.0	0.0	0.0	9.70
NE	0.69	2.75	1.10	0.62	0.27	0.14	0.0	0.0	5.57
ENE	0.21	2.75	0.96	0.14	0.07	0.0	0.0	0.0	4.15
E	0.55	4.60	1.72	0.07	0.0	0.0	0.0	0.0	6.94
ESE	0.14	4.88	3.23	0.55	0.0	0.0	0.0	0.0	8.80
SE	1.51	9.00	6.19	1.72	0.55	0.0	0.0	0.0	18.97
SSE	0.62	4.12	1.86	0.14	0.0	0.0	0.0	0.0	6.74
S	0.62	2.75	1.37	0.0	0.0	0.0	0.0	0.0	4.74
SSW	0.27	0.82	0.14	0.0	0.0	0.0	0.0	0.0	1.23
SW	0.21	0.89	0.48	0.0	0.0	0.0	0.0	0.0	1.58
WSW	0.27	1.03	0.41	0.0	0.0	0.0	0.0	0.0	1.71
W	0.14	1.03	1.03	0.69	0.07	0.0	0.0	0.0	2.96
WNW	0.34	0.69	0.76	1.10	0.76	0.14	0.0	0.0	3.79
NW	0.14	1.17	1.10	0.89	1.10	0.89	0.0	0.0	5.29
NNW	0.41	2.82	0.89	0.76	1.99	0.07	0.0	0.0	6.94
SUBTOTAL	7.15	46.72	25.57	10.05	8.94	1.51	0.0	0.0	99.94

CALM = 0.07

1455 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 97.78 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JULY PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
 DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

		NOVEMBER (74,75)							
		WIND SPEED (MPH)							
WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.14	0.0	0.07	0.0	0.0	0.0	0.21
CALM =	0.0								

3 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

3 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 3 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED,
 FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
 -1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	NOVEMBER (74,75)								
	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.21
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.21	0.07	0.07	0.0	0.0	0.0	0.35
CALC =	0.0								

5 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

5 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 5 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

ADJUSTED PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
 -1.7 < DELTA-T < -1.5 DEG. C/100M

BRUNN'S FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0.4-1.4	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	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.07	0.50	0.07	0.0	0.0	0.0	0.0	0.64
SSE	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.21
S	0.0	0.0	0.28	0.21	0.0	0.0	0.0	0.0	0.49
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.07	0.0	0.07	0.0	0.14
NW	0.0	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.21
NNW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SUBTOTAL	0.0	0.07	1.20	0.49	0.28	0.14	0.07	0.0	2.25

CALC = 0.0

32 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

32 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 32 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BRUNN'S FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T < -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0.0-1.4	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	0.0	0.28	0.14	0.71	1.64	0.07	0.0	0.0	2.84
NNE	0.0	0.14	0.07	0.43	0.64	0.0	0.0	0.0	1.28
NE	0.0	0.36	0.28	0.21	0.0	0.0	0.0	0.0	0.85
NNE	0.0	0.28	0.14	0.0	0.0	0.0	0.0	0.0	0.42
E	0.0	0.21	0.21	0.07	0.0	0.0	0.0	0.0	0.49
ESE	0.0	0.36	0.50	0.14	0.14	0.0	0.0	0.0	1.14
SE	0.0	1.65	2.28	0.71	0.43	0.0	0.0	0.0	5.27
SSE	0.0	1.07	0.93	0.36	0.14	0.0	0.0	0.0	2.50
S	0.0	0.78	1.28	0.71	0.28	0.0	0.0	0.0	3.05
SSW	0.0	0.0	0.28	0.07	0.07	0.0	0.0	0.0	0.42
SW	0.0	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.28
WSW	0.0	0.14	0.50	0.57	0.21	0.0	0.0	0.0	1.42
W	0.0	0.14	0.64	0.78	0.85	0.43	0.0	0.0	2.84
WNW	0.0	0.43	0.78	0.64	2.07	1.64	0.0	0.0	5.56
W	0.07	0.21	0.28	0.28	1.21	1.28	0.0	0.0	3.33
NNW	0.0	0.28	0.36	0.36	3.06	2.07	0.07	0.0	6.20
SURTOTAL	0.07	6.53	8.88	6.11	10.74	5.49	0.07	0.0	37.89
CALM =	0.0								

541 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

533 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 541 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JULY PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
 -0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	NOVEMBER (74,75)								TOTAL
	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	
N	0.0	0.36	0.28	0.07	0.07	0.0	0.0	0.0	0.78
NNE	0.07	0.93	0.57	0.28	0.0	0.0	0.0	0.0	1.65
NE	0.0	0.57	0.57	0.14	0.0	0.0	0.0	0.0	1.28
NNE	0.0	1.00	0.21	0.14	0.0	0.0	0.0	0.0	1.35
E	0.07	1.00	0.50	0.0	0.0	0.0	0.0	0.0	1.57
ESE	0.0	0.78	1.21	0.14	0.07	0.0	0.0	0.0	2.20
SE	0.57	3.92	2.49	0.85	0.36	0.0	0.0	0.0	8.19
SSE	0.43	1.64	1.57	0.43	0.21	0.0	0.0	0.0	4.28
S	0.14	0.85	0.71	1.07	0.28	0.0	0.0	0.0	3.05
SSW	0.14	0.64	0.50	0.36	0.21	0.0	0.0	0.0	1.85
SW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.14	0.21	0.14	0.0	0.14	0.0	0.0	0.0	0.63
W	0.0	0.36	0.21	0.07	0.71	0.0	0.0	0.0	1.35
WNW	0.0	0.28	0.0	0.0	0.57	0.21	0.0	0.0	1.06
NW	0.07	0.21	0.36	0.07	0.57	0.28	0.0	0.0	1.56
NNW	0.0	0.28	0.43	0.43	0.43	0.21	0.0	0.0	1.78
SUBTOTAL	1.63	13.10	9.75	4.05	3.62	0.70	0.0	0.0	32.85
CALM =	0.0								

*465 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

*462 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL *465 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0.4-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-16.4	16.5-24.4	≥24.5	TOTAL
N	0.07	0.93	0.95	0.0	0.0	0.0	0.0	0.0	1.85
NNE	0.14	1.00	0.21	0.0	0.0	0.0	0.0	0.0	1.35
NE	0.07	0.71	0.14	0.0	0.0	0.0	0.0	0.0	0.92
ENE	0.14	0.57	0.28	0.0	0.0	0.0	0.0	0.0	0.99
E	0.07	2.49	1.28	0.0	0.0	0.0	0.0	0.0	3.84
ESE	0.0	1.92	0.85	0.0	0.0	0.0	0.0	0.0	2.77
SE	0.07	2.78	0.78	0.14	0.0	0.0	0.0	0.0	3.77
SSE	0.57	0.65	0.14	0.28	0.14	0.0	0.0	0.0	1.98
S	0.0	0.43	0.21	0.07	0.0	0.0	0.0	0.0	0.71
SSW	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
SW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WNW	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.14	0.43	0.50	0.28	0.0	0.0	0.0	0.0	1.35
SUBTOTAL	1.41	12.39	5.24	0.77	0.14	0.0	0.0	0.0	19.95

CALC = 0.0

281 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

281 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 281 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JULY PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/10GM

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	NOVEMBER (74,75)								TOTAL
	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	
N	0.14	0.21	0.21	0.0	0.0	0.0	0.0	0.0	0.56
NNE	0.14	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.35
NE	0.07	0.43	0.07	0.0	0.0	0.0	0.0	0.0	0.57
ENE	0.0	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.64
E	0.07	1.42	0.07	0.0	0.0	0.0	0.0	0.0	1.56
ESE	0.07	0.85	0.07	0.0	0.0	0.0	0.0	0.0	0.99
SE	0.21	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.85
SSE	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
S	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.21
SSW	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.14
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
VW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SUBTOTAL	1.19	4.54	0.49	0.0	0.0	0.0	0.0	0.0	6.22

CALM = 0.0

88 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

88 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 88 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0-6-14	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	0.21	1.75	1.54	0.77	1.68	0.07	0.0	0.0	6.02
NNE	0.35	2.24	0.84	0.70	0.77	0.0	0.0	0.0	4.90
NE	0.14	2.03	1.05	0.35	0.0	0.0	0.0	0.0	3.57
ENE	0.14	2.45	0.70	0.14	0.0	0.0	0.0	0.0	3.43
E	0.21	5.12	2.03	0.07	0.0	0.0	0.0	0.0	7.43
ESE	0.07	4.06	2.66	0.35	0.21	0.0	0.0	0.0	7.35
SE	0.84	9.11	6.31	1.62	0.77	0.0	0.0	0.0	18.85
SSE	1.12	3.50	2.94	1.05	0.49	0.0	0.0	0.0	9.10
S	0.28	2.10	2.66	2.03	0.56	0.0	0.0	0.0	7.63
SSW	0.28	0.77	0.77	0.42	0.28	0.0	0.0	0.0	2.52
SW	0.0	0.14	0.21	0.14	0.0	0.0	0.0	0.0	0.49
WSW	0.21	0.35	0.70	0.63	0.35	0.0	0.0	0.0	2.24
W	0.0	0.56	0.84	0.64	1.54	0.42	0.0	0.0	4.20
WNW	0.14	0.77	0.77	0.70	2.80	1.69	0.07	0.0	7.14
NW	0.14	0.42	0.63	0.35	2.17	1.68	0.0	0.0	5.39
NNW	0.14	0.98	1.40	1.05	3.76	2.24	0.07	0.0	9.66
SUBTOTAL	4.27	36.35	26.05	11.41	15.40	6.30	0.14	0.0	99.92

CALM = 0.0

1427 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 99.10 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T < -1.9 DEG. °C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07

CALC = 0.0

1 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

1 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0.5-1.4	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.14
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SUBTOTAL	0.0	0.0	0.21	0.21	0.0	0.07	0.0	0.0	0.49

CALM = 0.0

7 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

7 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 7 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE OCCURRENCES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
-1.7< DELTA-T<=-1.5 DEG. C/100K

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)
WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.14	0.14	0.0	0.0	0.0	0.0	0.28
SSE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.28
SUBTOTAL	0.0	0.0	0.42	0.21	0.07	0.28	0.0	0.0	0.98
CALC *	0.0								

14 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

14 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 14 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)							TOTAL	
	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
N	0.0	0.28	0.42	0.83	1.66	0.28	0.0	0.0	3.47
NNE	0.0	0.69	0.90	0.97	0.55	0.0	0.0	0.0	3.11
NE	0.07	0.49	0.49	0.35	0.14	0.0	0.0	0.0	1.54
ENE	0.07	0.21	0.21	0.0	0.0	0.0	0.0	0.0	0.49
E	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.28
ESE	0.0	0.62	0.69	0.55	0.90	0.0	0.0	0.0	2.76
SE	0.0	0.69	1.32	0.35	0.49	0.0	0.0	0.0	2.85
SSE	0.07	0.69	0.97	0.07	0.07	0.0	0.0	0.0	1.87
S	0.0	0.42	1.66	0.14	0.0	0.0	0.0	0.0	2.22
SSW	0.0	0.21	0.21	0.0	0.0	0.0	0.0	0.0	0.42
SW	0.0	0.14	0.21	0.0	0.0	0.0	0.0	0.0	0.35
WSW	0.0	0.07	0.35	0.21	0.21	0.21	0.0	0.0	1.05
W	0.0	0.49	1.11	1.04	2.84	0.49	0.0	0.0	5.97
WNW	0.0	0.55	0.62	0.49	1.52	0.97	0.0	0.0	4.15
NW	0.0	0.14	0.83	0.69	2.43	1.04	0.0	0.0	5.13
NNW	0.0	0.07	0.35	0.97	3.81	1.46	0.0	0.0	6.06
SUBTOTAL	0.21	5.97	10.41	6.66	14.62	4.45	0.0	0.0	42.32

CALM = 0.0

622 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

610 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 622 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BRUNNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)
WIND SPEED (MPH)

WIND DIRECTION	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	0.07	0.35	0.97	0.35	0.0	0.0	0.0	0.0	1.74
NNE	0.0	1.11	0.55	0.07	0.14	0.0	0.0	0.0	1.87
NE	0.0	0.69	0.42	0.07	0.0	0.0	0.0	0.0	1.18
ENE	0.07	0.76	0.14	0.07	0.0	0.0	0.0	0.0	1.04
E	0.0	0.76	0.49	0.0	0.0	0.0	0.0	0.0	1.25
ESE	0.07	1.11	1.80	1.39	0.49	0.0	0.0	0.0	4.86
SE	0.55	2.56	4.85	2.01	1.25	0.0	0.0	0.0	11.22
SSE	0.28	1.11	1.11	0.28	0.07	0.0	0.0	0.0	2.85
S	0.0	1.04	1.59	0.83	0.55	0.0	0.0	0.0	4.01
SSW	0.28	0.55	0.07	0.28	0.0	0.0	0.0	0.0	1.18
SW	0.0	0.55	0.28	0.14	0.0	0.0	0.0	0.0	0.97
WSW	0.0	0.62	0.42	0.07	0.0	0.0	0.0	0.0	1.11
W	0.0	0.55	0.76	0.49	0.0	0.0	0.0	0.0	1.80
WNW	0.07	0.28	0.14	0.35	0.07	0.0	0.0	0.0	0.91
NW	0.0	0.07	0.62	0.07	0.21	0.0	0.0	0.0	0.97
NNW	0.07	0.69	1.52	0.14	0.07	0.0	0.0	0.0	2.49
SUBTOTAL	1.46	12.80	15.73	6.61	2.85	0.0	0.0	0.0	39.45

CALC = 0.0

570 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

589 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 570 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BRUNNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	DECEMBER (74,75)								TOTAL
	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	>24.4	
N	0.0	0.14	0.35	0.0	0.0	0.0	0.0	0.0	0.49
NNE	0.0	0.83	0.42	0.0	0.0	0.0	0.0	0.0	1.25
NE	0.0	0.28	0.21	0.0	0.0	0.0	0.0	0.0	0.49
NNE	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.21
E	0.07	0.62	0.49	0.0	0.0	0.0	0.0	0.0	1.16
ESE	0.0	0.55	0.42	0.0	0.0	0.0	0.0	0.0	0.97
SE	0.14	2.08	0.90	0.28	0.0	0.0	0.0	0.0	3.40
SSE	0.07	2.08	0.76	0.07	0.0	0.0	0.0	0.0	2.96
S	0.07	1.32	0.35	0.0	0.0	0.0	0.0	0.0	1.74
SSW	0.07	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.35
SW	0.0	0.28	0.07	0.0	0.0	0.0	0.0	0.0	0.35
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NNW	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.90
SUBTOTAL	0.42	8.74	4.94	0.35	0.0	0.0	0.0	0.0	14.45

CALC = 0.0

208 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

208 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 208 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)
WIND SPEED (MPH)

WIND DIRECTION	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	25-29.5	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
E	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.42
ESF	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.28
SE	0.0	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.55
SSE	0.07	0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.69
S	0.07	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.28
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.14	2.08	0.14	0.0	0.0	0.0	0.0	0.0	2.36
CALM	0.0								

34 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

34 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 34 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BRUNNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.07	0.76	1.72	1.51	1.92	0.27	0.0	0.0	6.25
NNE	0.0	2.61	1.85	1.17	0.69	0.0	0.0	0.0	6.32
NE	0.07	1.44	1.10	0.41	0.14	0.0	0.0	0.0	3.16
ENE	0.14	1.24	0.41	0.07	0.0	0.0	0.0	0.0	1.86
E	0.07	1.99	1.03	0.0	0.0	0.0	0.0	0.0	3.09
ESE	0.07	2.47	2.95	1.92	1.37	0.0	0.0	0.0	8.78
SE	0.69	5.84	7.14	2.75	1.72	0.0	0.0	0.0	18.14
SSE	0.48	4.46	2.95	0.41	0.14	0.0	0.0	0.0	8.44
S	0.14	2.95	3.85	1.03	0.55	0.0	0.0	0.0	8.52
SSW	0.34	1.03	0.27	0.27	0.0	0.0	0.0	0.0	1.91
SW	0.0	0.96	0.69	0.14	0.0	0.0	0.0	0.0	1.79
WSW	0.0	0.69	0.76	0.48	0.21	0.21	0.0	0.0	2.35
W	0.0	1.10	1.85	1.51	2.88	0.48	0.0	0.0	7.82
WNW	0.07	0.82	0.76	0.82	1.53	0.96	0.0	0.0	5.01
NW	0.0	0.21	1.51	0.76	2.61	1.03	0.0	0.0	6.12
NNW	0.07	0.76	2.75	1.17	3.91	1.79	0.0	0.0	10.45
SUBTOTAL	2.21	29.33	31.59	14.42	17.72	4.74	0.0	0.0	100.01

CALM = 0.0

1456 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1498 TOTAL HOURS = 97.85 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BRUNNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.01	0.01	0.02	0.0	0.0	0.0	0.04
NNE	0.0	0.0	0.02	0.01	0.02	0.02	0.0	0.0	0.07
NE	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
NNE	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.02	0.01	0.0	0.0	0.0	0.0	0.03
SE	0.0	0.01	0.12	0.04	0.02	0.0	0.0	0.0	0.19
SSE	0.0	0.02	0.11	0.02	0.0	0.0	0.0	0.0	0.15
S	0.0	0.02	0.06	0.0	0.01	0.0	0.0	0.0	0.09
SSW	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.02
SW	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.02
WSW	0.0	0.01	0.02	0.01	0.0	0.0	0.0	0.0	0.04
W	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01
WNW	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.02
W	0.0	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.02
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.07	0.40	0.14	0.08	0.03	0.0	0.0	0.72

CALM = 0.0

117 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

113 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 118 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.79 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 39 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

DIURNAL PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	0.0	0.0	0.01	0.02	0.02	0.0	0.0	0.0	0.05
NNE	0.0	0.0	0.01	0.04	0.02	0.0	0.0	0.0	0.07
NE	0.0	0.01	0.0	0.04	0.0	0.0	0.0	0.0	0.05
NENE	0.0	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.03
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.01	0.04	0.02	0.01	0.0	0.0	0.0	0.08
SE	0.0	0.02	0.23	0.09	0.01	0.0	0.0	0.0	0.35
SSE	0.0	0.03	0.10	0.01	0.0	0.0	0.0	0.0	0.14
S	0.0	0.01	0.04	0.01	0.01	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.02
SW	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
WSW	0.0	0.01	0.02	0.01	0.01	0.0	0.0	0.0	0.05
W	0.0	0.0	0.02	0.01	0.01	0.0	0.0	0.0	0.04
WNW	0.0	0.0	0.01	0.02	0.01	0.04	0.0	0.0	0.08
W	0.0	0.0	0.0	0.0	0.01	0.03	0.01	0.0	0.05
WNW	0.0	0.0	0.01	0.02	0.01	0.01	0.0	0.0	0.05
SUBTOTAL	0.0	0.10	0.53	0.30	0.12	0.08	0.01	0.0	1.14

CALM = 0.01

137 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

179 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 187 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
-1.7 < DELTA-T < -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	0.5-1.4	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		
N	0.0	0.0	0.03	0.04	0.06	0.04	0.0	0.0	0.0	0.17
NNE	0.0	0.0	0.07	0.06	0.12	0.01	0.0	0.0	0.0	0.26
NE	0.0	0.01	0.05	0.02	0.01	0.0	0.0	0.0	0.0	0.09
ENE	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.02
E	0.0	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.03
ESE	0.0	0.02	0.07	0.05	0.03	0.0	0.0	0.0	0.0	0.18
SE	0.0	0.09	0.38	0.15	0.04	0.0	0.0	0.0	0.0	0.66
SSE	0.0	0.07	0.22	0.02	0.0	0.0	0.0	0.0	0.0	0.31
S	0.01	0.04	0.22	0.04	0.0	0.0	0.0	0.0	0.0	0.31
SSW	0.0	0.01	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.03
SW	0.0	0.01	0.07	0.01	0.01	0.0	0.0	0.0	0.0	0.10
WSW	0.0	0.01	0.07	0.07	0.04	0.0	0.0	0.0	0.0	0.19
W	0.0	0.0	0.02	0.03	0.02	0.0	0.01	0.0	0.0	0.08
WNW	0.0	0.01	0.02	0.06	0.10	0.02	0.01	0.0	0.0	0.22
NW	0.0	0.0	0.01	0.06	0.16	0.08	0.0	0.0	0.0	0.31
NNW	0.0	0.0	0.01	0.0	0.06	0.07	0.0	0.0	0.0	0.14
SUBTOTAL	0.01	0.28	1.28	0.64	0.65	0.22	0.02	0.0	0.0	3.10

CALM = 0.0

521 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

504 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 521 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.73 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTIONS AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
 -1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.02	0.31	0.69	0.82	1.38	0.18	0.0	0.0	3.40
NNE	0.01	0.39	0.58	0.57	0.66	0.06	0.0	0.0	2.27
NE	0.01	0.33	0.40	0.18	0.07	0.01	0.0	0.0	1.00
NNE	0.01	0.22	0.25	0.02	0.02	0.0	0.0	0.0	0.52
E	0.01	0.20	0.21	0.07	0.01	0.0	0.0	0.0	0.50
ESE	0.01	0.52	0.81	0.45	0.26	0.0	0.0	0.0	2.05
SE	0.01	1.80	2.62	0.92	0.44	0.03	0.0	0.0	5.82
SSE	0.02	1.35	1.17	0.22	0.07	0.0	0.0	0.0	2.83
S	0.01	1.25	1.39	0.34	0.05	0.0	0.0	0.0	3.04
SSW	0.01	0.37	0.33	0.12	0.02	0.0	0.0	0.0	0.65
SW	0.02	0.33	0.39	0.03	0.02	0.0	0.0	0.0	0.79
WSW	0.0	0.54	0.87	0.38	0.34	0.12	0.0	0.0	2.25
W	0.0	0.30	1.06	0.77	0.72	0.23	0.01	0.0	3.09
WNW	0.0	0.22	0.63	0.76	1.14	0.54	0.12	0.01	3.42
W	0.01	0.11	0.42	0.66	1.57	0.65	0.04	0.01	3.47
NW	0.02	0.19	0.40	0.58	1.91	0.82	0.02	0.0	3.94
SUBTOTAL	0.17	8.43	12.22	6.89	8.68	2.64	0.19	0.02	39.24

CALM = 0.01

6518 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

6381 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 6518 STABILITY CLASS D OCCURRENCES

ALL COLUMNS ADD CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.12	0.65	0.63	0.41	0.28	0.01	0.0	0.0	2.10
NNE	0.12	1.14	0.68	0.28	0.15	0.01	0.0	0.0	2.38
NE	0.10	0.79	0.52	0.12	0.06	0.01	0.0	0.0	1.60
ENE	0.10	0.79	0.18	0.02	0.02	0.0	0.0	0.0	1.11
E	0.04	1.01	0.53	0.09	0.03	0.0	0.0	0.0	1.70
ESE	0.10	1.25	1.30	0.56	0.22	0.0	0.0	0.0	3.43
SE	0.31	3.01	2.39	1.06	0.57	0.0	0.0	0.0	7.34
SSE	0.20	1.29	0.81	0.33	0.17	0.0	0.0	0.0	2.80
S	0.13	1.29	1.22	0.69	0.42	0.0	0.0	0.0	3.95
SSW	0.19	0.65	0.36	0.17	0.08	0.01	0.0	0.0	1.46
SW	0.12	0.53	0.14	0.04	0.01	0.0	0.0	0.0	0.84
WSW	0.07	0.65	0.47	0.15	0.12	0.02	0.0	0.0	1.48
W	0.04	0.65	0.76	0.30	0.18	0.04	0.0	0.0	1.97
WNW	0.04	0.28	0.23	0.15	0.16	0.06	0.0	0.0	0.92
SW	0.06	0.13	0.30	0.14	0.26	0.05	0.0	0.0	0.94
NNW	0.09	0.67	0.76	0.48	0.31	0.02	0.0	0.0	2.33
SUBTOTAL	1.83	14.78	11.28	5.19	3.04	0.23	0.0	0.0	36.35

CALC = 0.08

5997 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

5926 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 5997 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.73 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN. 1, 74 - DEC. 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.26	0.89	0.34	0.13	0.02	0.0	0.0	0.0	1.64
NNE	0.23	1.30	0.32	0.09	0.0	0.0	0.0	0.0	1.94
NE	0.15	0.60	0.15	0.02	0.0	0.0	0.0	0.0	0.92
NNE	0.17	0.89	0.09	0.0	0.0	0.0	0.0	0.0	1.15
E	0.09	1.00	0.46	0.01	0.0	0.0	0.0	0.0	1.56
ESE	0.06	0.66	0.22	0.01	0.0	0.0	0.0	0.0	0.95
SE	0.24	1.39	0.38	0.12	0.05	0.0	0.0	0.0	2.18
SSE	0.25	0.93	0.18	0.06	0.04	0.0	0.0	0.0	1.46
S	0.18	0.69	0.17	0.08	0.01	0.0	0.0	0.0	1.13
SSW	0.07	0.14	0.01	0.0	0.0	0.0	0.0	0.0	0.22
SW	0.07	0.20	0.01	0.01	0.0	0.0	0.0	0.0	0.29
WSW	0.04	0.12	0.01	0.01	0.01	0.0	0.0	0.0	0.19
W	0.02	0.10	0.05	0.01	0.0	0.0	0.0	0.0	0.18
WNW	0.04	0.07	0.02	0.01	0.0	0.0	0.0	0.0	0.14
NW	0.09	0.15	0.05	0.0	0.0	0.01	0.0	0.0	0.30
NNW	0.18	0.40	0.28	0.09	0.01	0.0	0.0	0.0	0.96
SUBTOTAL	2.14	9.53	2.74	0.65	0.14	0.01	0.0	0.0	15.21

CALM = 0.10

2506 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

2489 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 2506 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M.

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	0.10	0.46	0.10	0.01	0.0	0.0	0.0	0.0	0.67
NNE	0.08	0.65	0.10	0.02	0.0	0.0	0.0	0.0	0.85
NE	0.06	0.18	0.02	0.0	0.0	0.0	0.0	0.0	0.26
ENE	0.02	0.15	0.01	0.0	0.0	0.0	0.0	0.0	0.18
E	0.03	0.33	0.05	0.0	0.0	0.0	0.0	0.0	0.41
ESE	0.01	0.22	0.02	0.0	0.0	0.0	0.0	0.0	0.25
SE	0.07	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.37
SSE	0.09	0.16	0.01	0.0	0.0	0.0	0.0	0.0	0.26
S	0.05	0.12	0.01	0.0	0.0	0.0	0.0	0.0	0.18
SSW	0.04	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.02
WSW	0.04	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.05
W	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.02
WNW	0.04	0.04	0.01	0.0	0.0	0.0	0.0	0.0	0.09
NW	0.02	0.09	0.01	0.0	0.0	0.0	0.0	0.0	0.12
NNW	0.07	0.21	0.04	0.01	0.0	0.0	0.0	0.0	0.33
SUBTOTAL	0.73	2.98	0.38	0.04	0.0	0.0	0.0	0.0	4.13

CALM = 0.03

674 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

670 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 674 STABILITY CLASS G OCCURRENCES

ALL COLUMNS ADD CALM TOTAL 100 PERCENT LF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENT 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS 33 FEET ABOVE GROUND

PERCENTAGE FREQUENCIES OF WIND SPEEDS
DIFFERENT STABILITY CLASSES

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JAN 1, 74 - DEC 31, 75

WIND SPEED (MPH)	STABILITY CLASS						
	A	B	C	D	E	F	G
CALM	0.0	0.01	0.0	0.01	0.08	0.10	0.03
0.6- 1.4	0.0	0.0	0.01	0.17	1.83	2.14	0.73
1.5- 3.4	0.07	0.10	0.28	8.43	14.78	9.53	2.98
3.5- 5.4	0.40	0.53	1.28	12.22	11.28	2.74	0.38
5.5- 7.4	0.14	0.30	0.64	6.89	5.19	0.65	0.04
7.5-12.4	0.08	0.12	0.65	8.68	3.04	0.14	0.0
12.5-18.4	0.03	0.08	0.22	2.64	0.23	0.01	0.0
18.5-24.4	0.0	0.01	0.02	0.19	0.0	0.0	0.0
>=24.5	0.0	0.0	0.0	0.02	0.0	0.0	0.0
TOTAL	0.72	1.14	3.10	39.24	36.35	15.21	4.13

16521 VALID TEMPERATURE DIFFERENCE READINGS OUT OF 17520 TOTAL HOURS = 94.30 PERCENT

16202 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 16521 VALID TEMPERATURE DIFFERENCE READINGS

TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND

WIND INSTRUMENTS 33 FEET ABOVE GROUND

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	0.48	2.31	1.84	1.45	1.87	0.22	0.0	0.0	8.17
NNE	0.43	3.43	1.79	1.08	1.03	0.10	0.0	0.0	7.86
NE	0.33	1.93	1.15	0.41	0.14	0.01	0.0	0.0	3.97
ENE	0.29	2.09	0.57	0.68	0.04	0.0	0.0	0.0	3.07
E	0.17	2.58	1.29	0.18	0.04	0.0	0.0	0.0	4.26
ESE	0.17	2.70	2.45	1.09	0.51	0.0	0.0	0.0	6.92
SE	0.66	6.60	6.05	2.32	1.09	0.03	0.0	0.0	16.75
SSE	0.56	3.93	2.64	0.65	0.28	0.0	0.0	0.0	8.06
S	0.38	3.40	3.09	1.34	0.48	0.0	0.0	0.0	8.78
SSW	0.30	1.20	0.74	0.30	0.10	0.01	0.0	0.0	2.65
SW	0.22	1.67	0.65	0.08	0.04	0.0	0.0	0.0	2.66
WSW	0.14	1.32	1.44	0.61	0.50	0.14	0.0	0.0	4.15
W	0.07	1.05	1.88	1.14	0.91	0.26	0.01	0.0	5.32
WNW	0.13	0.62	0.91	1.02	1.39	0.66	0.13	0.01	4.87
W	0.17	0.47	0.80	0.86	2.00	0.80	0.05	0.01	5.16
WNW	0.35	1.49	1.48	1.16	2.37	0.90	0.02	0.0	7.77
SUBTOTAL	4.85	36.28	26.77	13.77	12.79	3.13	0.21	0.02	99.82
CALM =	0.22								

16724 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 17520 TOTAL HOURS = 95.46 PERCENT

ALL COLUMNS ADD CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 33 FEET ABOVE GROUND

Table 5-3

Joint Frequency Distributions
Wind Direction and Wind Speed
by Stability Class - Monthly and Annual
Browns Ferry Nuclear Plant - 1974-1975

Temperature Instruments 33 and 300 feet above ground
Wind Instruments at 300 feet above ground
(Annual table for all stability classes combined, is
presented as table 4-1.)

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)							TOTAL	
	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
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.15
S	0.0	0.0	0.0	0.0	0.08	0.08	0.0	0.0	0.16
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.08	0.23	0.0	0.0	0.31
CALC =	0.0								

* 4 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

* 4 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 4 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

* METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6-14	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.08
SE	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.08
SSE	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.08
S	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.08
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.08	0.08	0.24	0.0	0.0	0.40

CALC = 0.0

5 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

5 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 5 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.08	0.08	0.0	0.0	0.16
SE	0.0	0.0	0.0	0.0	0.23	0.15	0.0	0.0	0.38
SSE	0.0	0.0	0.0	0.08	0.08	0.0	0.0	0.0	0.16
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.23
W	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.08
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
SUBTOTAL	0.0	0.0	0.0	0.08	0.47	0.54	0.0	0.0	1.09

CALC = 0.0

14 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

14 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 14 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
 -1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JANUARY (74,751)								TOTAL
	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	
N	0.0	0.0	0.0	0.31	0.46	1.54	1.00	0.0	3.31
NNE	0.0	0.0	0.23	0.31	1.54	0.92	0.23	0.0	3.23
NE	0.0	0.08	0.23	0.15	0.46	0.08	0.15	0.0	1.15
ENE	0.0	0.08	0.08	0.08	0.23	0.08	0.0	0.0	0.55
E	0.0	0.15	0.0	0.08	0.08	0.08	0.0	0.0	0.39
ESE	0.0	0.08	0.15	0.08	0.62	0.08	0.0	0.0	1.01
SE	0.0	0.0	0.08	0.15	0.39	0.46	0.23	0.0	1.31
SSE	0.0	0.08	0.0	0.08	0.54	0.77	0.39	0.15	2.01
S	0.0	0.0	0.08	0.08	0.23	0.23	0.08	0.0	0.70
SSW	0.0	0.08	0.23	0.15	0.15	0.23	0.0	0.0	0.84
SW	0.0	0.0	0.08	0.15	0.31	0.39	0.08	0.0	1.01
WSW	0.0	0.15	0.0	0.23	0.23	0.54	0.23	0.15	1.53
W	0.0	0.0	0.0	0.15	0.46	0.39	0.23	0.23	1.46
WNW	0.0	0.08	0.15	0.31	0.08	0.39	0.08	0.0	1.09
NW	0.0	0.08	0.31	0.46	1.39	0.92	0.08	0.0	3.24
NNW	0.0	0.0	0.0	0.15	1.08	1.62	0.85	0.31	4.01
SUBTOTAL	0.0	0.86	1.62	2.92	8.25	8.72	3.63	0.84	26.84

CALC = 0.0

351 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

348 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 351 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JANUARY (74,75)								TOTAL
	WIND SPEED (MPH)								
	0-4=1.4	4.5-8.4	8.5-12.4	12.5-16.4	16.5-20.4	20.5-24.4	24.5-28.4	>28.5	
N	0.0	0.0	0.15	0.0	0.23	0.31	0.0	0.0	0.69
NNE	0.0	0.15	0.08	0.0	0.31	1.31	0.0	0.0	1.85
NE	0.0	0.0	0.08	0.15	0.77	1.46	0.15	0.0	2.61
ENE	0.0	0.08	0.08	0.08	0.46	0.46	0.15	0.0	1.31
E	0.0	0.15	0.39	0.08	0.23	0.08	0.0	0.0	0.93
ESE	0.0	0.08	0.08	0.23	0.85	1.08	0.0	0.0	2.32
SE	0.0	0.08	0.15	0.23	1.08	1.69	1.08	0.15	4.46
SSE	0.0	0.0	0.15	0.08	1.85	3.16	2.54	1.08	8.86
S	0.0	0.0	0.0	0.31	1.31	1.08	1.08	1.46	5.24
SSW	0.0	0.08	0.15	0.23	2.16	2.54	1.69	0.62	7.47
SW	0.0	0.23	0.23	0.31	1.31	1.85	0.62	0.31	4.86
WSW	0.0	0.08	0.23	0.39	0.92	0.46	0.15	0.31	2.54
W	0.0	0.0	0.15	0.23	0.85	0.85	0.39	0.54	3.01
WNW	0.0	0.08	0.08	0.15	0.46	0.69	0.39	0.08	1.93
NW	0.0	0.0	0.0	0.23	0.92	0.54	0.0	0.0	1.69
NNW	0.0	0.0	0.23	0.23	0.77	1.00	0.23	0.0	2.46
SUBTOTAL	0.0	1.01	2.23	2.93	14.48	18.56	8.47	4.55	52.23

CALC = 0.0

682 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

678 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 682 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.15	0.0	0.0	0.0	0.15	0.0	0.0	0.30
NNE	0.0	0.08	0.0	0.0	0.08	0.08	0.0	0.0	0.24
NE	0.0	0.08	0.0	0.08	0.0	0.23	0.0	0.0	0.39
ENE	0.0	0.0	0.15	0.0	0.23	0.15	0.0	0.0	0.53
E	0.0	0.08	0.15	0.08	0.15	0.08	0.0	0.0	0.54
ESE	0.0	0.0	0.0	0.0	0.46	0.31	0.08	0.0	0.85
SE	0.0	0.08	0.08	0.15	0.31	0.15	0.0	0.15	0.92
SSE	0.08	0.0	0.23	0.46	0.39	0.69	0.92	0.54	3.31
S	0.0	0.08	0.0	0.39	0.92	1.39	0.31	0.08	3.17
SSW	0.0	0.15	0.15	0.08	0.85	1.62	0.15	0.08	3.08
SW	0.0	0.0	0.15	0.08	0.31	0.92	0.08	0.0	1.54
WSW	0.0	0.0	0.0	0.08	0.39	0.0	0.0	0.0	0.47
W	0.0	0.0	0.0	0.0	0.08	0.08	0.0	0.0	0.16
WNW	0.0	0.0	0.08	0.0	0.0	0.08	0.0	0.0	0.16
NW	0.0	0.08	0.0	0.15	0.15	0.0	0.0	0.0	0.38
NNW	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.15
SUBTOTAL	0.08	0.93	0.99	1.55	4.32	5.93	1.54	0.85	16.19

CALC = 0.0

211 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

210 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 211 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JANUARY (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.08
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
ESE	0.08	0.0	0.0	0.08	0.08	0.0	0.0	0.0	0.24
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.08	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.16
S	0.0	0.08	0.0	0.15	0.46	0.54	0.31	0.0	1.54
SSW	0.0	0.0	0.08	0.0	0.08	0.23	0.0	0.0	0.39
SW	0.0	0.0	0.0	0.08	0.31	0.0	0.0	0.0	0.39
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WW	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.08
NW	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.16	0.08	0.08	0.47	1.17	0.77	0.31	0.0	3.04

CALC = 0.0

40 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1307 VALID TEMPERATURE DIFFERENCE READINGS

39 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 40 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)
WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.29	0.14	0.43	1.01	2.37	0.94	0.0	5.18
NNE	0.07	0.29	0.29	0.29	1.80	2.66	0.22	0.0	5.62
NE	0.0	0.29	0.36	0.58	1.73	2.01	0.29	0.0	5.26
ENE	0.07	0.14	0.43	0.22	1.08	0.65	0.14	0.0	2.73
E	0.0	0.36	0.86	0.22	0.50	0.22	0.0	0.0	2.16
ESE	0.07	0.14	0.29	0.43	1.94	1.51	0.07	0.0	4.45
SE	0.07	0.22	0.36	0.50	1.87	2.52	1.22	0.29	7.05
SSE	0.22	0.07	0.43	0.79	2.81	4.46	3.60	1.65	14.03
S	0.0	0.14	0.07	0.86	2.88	3.09	1.65	1.51	10.20
SSW	0.0	0.29	0.58	0.43	3.02	4.32	1.73	0.65	11.02
SW	0.0	0.22	0.43	0.58	2.09	3.02	0.72	0.29	7.35
WSW	0.0	0.29	0.22	0.65	1.44	1.15	0.36	0.43	4.54
W	0.0	0.0	0.22	0.36	1.37	1.37	0.58	0.72	4.62
WNW	0.0	0.14	0.36	0.50	0.50	1.08	0.43	0.07	3.08
NW	0.0	0.22	0.29	0.86	2.59	1.44	0.07	0.0	5.47
NNW	0.0	0.14	0.36	0.36	1.94	3.17	1.01	0.29	7.27
SUBTOTAL	0.50	3.24	5.69	8.06	28.57	35.04	13.03	5.90	100.03

CALC = 0.0

1390 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 93.41 PERCENT

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
 DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.6-1.6	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.09
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.09
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.09	0.0	0.0	0.18	0.0	0.0	0.27

CALH = 0.0

3 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

3 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 3 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
 -1.9 < DELTA-T <= -1.7 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6=1-6	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.09	0.0	0.18	0.09	0.0	0.0	0.0	0.36
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.09
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.09
NW	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.09
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.09	0.09	0.18	0.09	0.09	0.09	0.09	0.72

CALC = 0.0

* STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

* VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 8 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

* METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
 -1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	FEBRUARY (74,75)								TOTAL	
	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		
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.09
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.18
SE	0.0	0.0	0.09	0.0	0.18	0.0	0.0	0.0	0.0	0.27
SSE	0.0	0.0	0.0	0.09	0.09	0.09	0.0	0.0	0.0	0.27
S	0.0	0.0	0.0	0.09	0.0	0.09	0.09	0.0	0.0	0.27
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.09	0.0	0.18
WSW	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.18
W	0.0	0.0	0.0	0.0	0.0	0.09	0.18	0.0	0.0	0.27
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.09	0.09	0.18
NW	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.09
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.18
SUBTOTAL	0.0	0.0	0.09	0.18	0.45	0.63	0.63	0.18		2.16
CALC =	0.0									

25 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

24 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 25 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

Dr. 1

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
 -1.5 < DELTA-T <= -0.5 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.18	0.36	0.64	1.28	0.36	0.0	2.82
NNE	0.0	0.0	0.0	0.27	1.09	2.10	0.09	0.0	3.55
NE	0.0	0.0	0.09	0.82	1.28	1.46	0.0	0.0	3.65
ENE	0.0	0.0	0.0	0.09	0.09	0.27	0.18	0.0	0.63
E	0.0	0.0	0.27	0.0	0.36	0.18	0.0	0.0	0.81
ESE	0.0	0.0	0.0	0.36	0.46	0.18	0.82	0.18	2.00
SE	0.0	0.09	0.18	0.27	0.64	0.55	0.0	0.64	2.37
SSE	0.0	0.09	0.09	0.27	0.91	1.46	0.55	0.09	3.46
S	0.0	0.0	0.27	0.09	0.09	0.55	0.64	0.18	1.82
SSW	0.0	0.09	0.09	0.09	0.09	1.19	0.09	0.0	1.64
SW	0.09	0.0	0.27	0.18	0.18	0.64	0.36	0.09	1.81
WSW	0.0	0.0	0.55	0.0	0.09	0.82	1.09	1.19	3.74
W	0.0	0.0	0.09	0.27	0.73	0.82	0.73	0.73	3.37
WNW	0.0	0.0	0.09	0.36	0.73	1.00	0.55	0.73	3.46
NW	0.0	0.0	0.0	0.36	1.09	2.37	0.36	0.18	4.36
NNW	0.0	0.09	0.09	0.18	0.36	3.01	1.37	0.0	5.10
SUBTOTAL	0.09	0.36	2.26	3.97	8.83	17.88	7.19	4.01	44.59

CALC = 0.0

528 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

490 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 528 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.18	0.36	0.09	1.00	0.36	0.0	0.0	1.99
NNE	0.0	0.09	0.27	0.55	0.46	0.91	0.0	0.0	2.28
NE	0.0	0.0	0.09	0.27	0.36	0.46	0.0	0.0	1.18
ENE	0.0	0.0	0.09	0.46	0.73	0.46	0.0	0.0	1.74
E	0.0	0.0	0.09	0.36	0.55	0.0	0.09	0.0	1.09
ESE	0.0	0.09	0.0	0.09	0.36	0.18	0.09	0.09	0.90
SE	0.0	0.0	0.0	0.27	0.55	0.82	0.64	1.82	4.10
SSE	0.0	0.0	0.09	0.36	0.82	0.55	0.46	0.36	2.64
S	0.0	0.18	0.09	0.46	1.55	1.64	0.46	0.46	4.84
SSW	0.0	0.0	0.27	0.46	1.09	2.46	2.73	0.18	7.19
SW	0.0	0.0	0.09	0.27	0.55	0.64	1.09	0.18	2.82
WSW	0.0	0.09	0.18	0.18	0.36	0.73	0.36	0.09	1.99
W	0.0	0.0	0.18	0.0	0.36	0.55	0.09	0.0	1.18
WNW	0.0	0.09	0.0	0.36	0.18	0.46	0.0	0.0	1.09
NW	0.0	0.09	0.09	0.27	0.55	0.82	0.18	0.0	2.00
NNW	0.0	0.09	0.18	0.09	0.18	0.55	0.0	0.0	1.09
SUBTOTAL	0.0	0.90	2.07	4.54	9.65	11.59	6.19	3.18	38.12

CALC = 0.0

425 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

419 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 425 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
 $1.5 < \Delta T \leq 4.0$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.09	0.09	0.0	0.0	0.18
NNE	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.09	0.27
NE	0.0	0.0	0.0	0.0	0.0	0.09	0.09	0.09	0.27
ENE	0.0	0.09	0.0	0.0	0.0	0.18	0.0	0.0	0.27
E	0.0	0.0	0.0	0.0	0.09	0.09	0.0	0.0	0.18
ESE	0.0	0.0	0.0	0.0	0.18	0.18	0.0	0.0	0.36
SE	0.0	0.0	0.0	0.09	0.82	0.73	0.46	0.27	2.37
SSE	0.0	0.0	0.09	0.0	0.64	1.09	0.18	0.36	2.36
S	0.0	0.0	0.0	0.09	0.73	1.28	0.18	0.55	2.83
SSW	0.0	0.0	0.09	0.18	0.46	0.91	0.09	0.0	1.73
SW	0.0	0.0	0.0	0.09	0.0	0.09	0.36	0.46	1.00
WSW	0.0	0.0	0.0	0.0	0.09	0.09	0.09	0.0	0.27
W	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.09
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.09	0.0	0.09	0.0	0.0	0.0	0.18
NNW	0.0	0.0	0.09	0.0	0.09	0.27	0.0	0.0	0.45
SUBTOTAL	0.0	0.09	0.36	0.45	3.55	5.09	1.45	1.82	12.81

CALM = 0.0

142 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

141 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 142 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)
WIND SPEED(MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.18	0.09	0.0	0.0	0.27
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.09
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.46	0.18	0.0	0.0	0.64
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
SUBTOTAL	0.0	0.0	0.09	0.0	0.64	0.27	0.09	0.0	1.09

CALM = 0.0

12 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1143 VALID TEMPERATURE DIFFERENCE READINGS

12 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 12 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	FEBRUARY (74,75) WIND SPEED(MPH)								TOTAL
	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	
N	0.0	0.18	0.54	0.45	1.87	2.14	0.36	0.0	5.54
NNE	0.0	0.09	0.27	0.80	1.70	3.13	0.18	0.09	6.26
NE	0.0	0.0	0.18	1.07	1.61	2.68	0.09	0.09	5.72
ENE	0.0	0.09	0.09	0.54	0.80	0.89	0.18	0.0	2.59
E	0.0	0.0	0.36	0.36	0.98	0.27	0.09	0.0	2.06
ESE	0.0	0.09	0.0	0.45	1.16	0.54	0.89	0.27	3.40
SE	0.0	0.18	0.27	0.80	2.23	2.05	1.07	2.68	9.28
SSE	0.0	0.09	0.27	0.71	2.41	3.21	1.16	0.80	8.65
S	0.0	0.18	0.45	0.80	3.04	3.66	1.34	1.16	10.63
SSW	0.0	0.09	0.62	0.71	1.87	4.55	2.86	0.18	10.88
SW	0.09	0.0	0.36	0.54	0.71	1.34	1.87	0.80	5.71
WSW	0.0	0.09	0.80	0.18	0.54	1.79	1.52	1.25	6.17
W	0.0	0.0	0.27	0.27	1.16	1.43	1.07	0.71	4.91
WNW	0.0	0.09	0.09	0.71	0.89	1.43	0.62	0.89	4.72
NW	0.0	0.09	0.18	0.62	1.70	3.39	0.54	0.18	6.70
NNW	0.0	0.18	0.45	0.27	0.62	3.75	1.52	0.0	6.79

SUBTOTAL 0.09 1.44 5.20 9.28 23.29 36.25 15.36 9.10 100.01

CALM = 0.0

1120 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1344 TOTAL HOURS = 83.33 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
 DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.07
NNE	0.0	0.0	0.0	0.0	0.07	0.0	0.14	0.0	0.21
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
SE	0.0	0.0	0.07	0.21	0.14	0.0	0.0	0.0	0.42
SSE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.07	0.42	0.28	0.0	0.21	0.0	0.98

CALM = 0.0

14 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

14 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 14 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MARCH (74,75)						TOTAL		
	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
H	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
RNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SE	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.28
SSE	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.14
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.07	0.28	0.07	0.42
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.07
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.14
SUBTOTAL	0.0	0.0	0.0	0.14	0.49	0.07	0.42	0.14	1.26

CALC = 0.0

18 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

18 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 18 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
 1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JUNE (74,75)								
	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	0.0	0.15	0.15	0.15	0.22	0.07	0.0	0.0	0.74
NNE	0.0	0.0	0.07	0.0	0.15	0.75	0.60	0.07	1.64
NE	0.0	0.07	0.22	0.15	0.45	1.05	0.22	0.0	2.16
ENE	0.0	0.0	0.07	0.22	0.30	0.52	0.07	0.0	1.18
E	0.0	0.0	0.15	0.07	0.45	0.0	0.0	0.0	0.67
ESE	0.0	0.0	0.22	0.07	0.15	0.52	0.15	0.0	1.11
SE	0.07	0.07	0.15	0.22	0.37	0.22	0.0	0.0	1.10
SSE	0.0	0.0	0.07	0.07	0.30	0.0	0.0	0.0	0.44
S	0.0	0.0	0.0	0.07	0.07	0.07	0.07	0.0	0.28
SSW	0.0	0.07	0.0	0.07	0.22	0.07	0.0	0.0	0.43
SW	0.0	0.0	0.15	0.07	0.07	0.97	0.07	0.0	1.33
WSW	0.0	0.07	0.15	0.22	0.07	0.15	0.0	0.0	0.66
W	0.0	0.0	0.07	0.22	0.45	0.0	0.0	0.0	0.74
WNW	0.0	0.0	0.22	0.30	0.0	0.07	0.0	0.0	0.59
NW	0.0	0.15	0.30	0.45	0.30	0.07	0.0	0.0	1.27
NNW	0.0	0.07	0.07	0.22	0.30	0.07	0.0	0.0	0.73
SUBTOTAL	0.07	0.65	2.06	2.57	3.87	4.60	1.18	0.07	15.07
CALM =	0.0								

205 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

204 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 205 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.07	0.07	0.15	0.22	1.42	0.07	0.0	2.00
NNE	0.0	0.07	0.07	0.15	1.05	0.30	0.15	0.0	1.79
NE	0.0	0.15	0.15	0.07	0.30	0.37	0.0	0.0	1.04
ENE	0.0	0.07	0.07	0.22	0.0	0.07	0.15	0.0	0.58
E	0.0	0.0	0.15	0.15	0.22	0.0	0.0	0.0	0.52
ESE	0.0	0.0	0.15	0.0	0.15	0.90	0.07	0.07	1.34
SE	0.0	0.07	0.15	0.0	0.82	1.79	0.82	0.0	3.65
SSE	0.0	0.07	0.30	0.15	0.67	0.90	1.42	0.07	3.58
S	0.0	0.0	0.37	0.90	1.49	0.97	0.37	0.22	4.32
SSW	0.0	0.07	0.22	0.22	0.90	0.67	0.30	0.15	2.53
SW	0.07	0.30	0.0	0.30	1.34	1.64	0.0	0.0	3.65
WSW	0.0	0.07	0.22	0.22	1.42	0.75	0.0	0.0	2.68
W	0.0	0.15	0.22	0.22	0.82	0.37	0.07	0.0	1.85
WNW	0.0	0.0	0.07	0.37	0.30	0.07	0.0	0.0	0.81
NW	0.0	0.0	0.07	0.30	0.37	0.15	0.0	0.0	0.89
NNW	0.0	0.07	0.0	0.30	0.67	0.07	0.0	0.0	1.11
SUBTOTAL	0.07	1.16	2.28	3.72	10.74	10.44	3.42	0.51	32.34

CALC = 0.0

439 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

435 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 439 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS D
 -1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JUNE (74,75)								TOTAL
	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	
M	0.0	0.0	0.0	0.45	0.67	0.90	0.22	0.0	2.24
NNE	0.0	0.15	0.07	0.67	1.27	0.67	0.0	0.0	2.83
NE	0.0	0.0	0.07	0.07	0.45	0.0	0.0	0.0	0.59
ENE	0.0	0.0	0.07	0.15	0.15	0.07	0.0	0.0	0.44
E	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.15
ESE	0.0	0.15	0.07	0.30	0.07	0.30	0.07	0.0	0.96
SE	0.0	0.22	0.52	0.37	0.82	1.12	1.57	0.0	4.62
SSE	0.0	0.45	0.45	0.30	0.82	1.19	0.52	0.0	3.73
S	0.0	0.22	0.60	0.67	1.12	1.12	0.75	0.0	4.48
SSW	0.0	0.0	0.60	0.15	0.90	0.75	0.30	0.0	2.70
SW	0.0	0.15	0.30	0.22	0.75	1.49	0.37	0.07	3.35
WSW	0.0	0.07	0.82	0.37	0.75	0.90	0.52	0.0	3.43
W	0.0	0.22	0.52	0.67	1.42	1.12	0.15	0.07	4.17
WNW	0.0	0.07	0.15	0.45	0.97	0.82	0.15	0.0	2.61
NW	0.0	0.07	0.30	0.82	1.94	0.82	0.07	0.0	4.02
NNW	0.0	0.15	0.30	0.37	0.75	0.90	0.0	0.0	2.47
SUBTOTAL	0.0	1.92	4.99	6.03	12.85	12.17	4.69	0.14	42.79
CALM =	0.0								

584 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

574 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 584 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	3=24-5	
N	0.0	0.0	0.0	0.0	0.07	0.07	0.07	0.0	0.21
NNE	0.0	0.0	0.0	0.0	0.30	0.15	0.22	0.0	0.67
NE	0.0	0.0	0.0	0.07	0.15	0.0	0.0	0.0	0.22
ENE	0.0	0.0	0.0	0.0	0.22	0.07	0.0	0.0	0.29
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.07
SE	0.0	0.0	0.0	0.0	0.22	0.30	0.30	0.0	0.82
SSE	0.0	0.0	0.07	0.0	0.0	0.0	0.07	0.0	0.14
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.15
SW	0.0	0.0	0.07	0.15	0.15	0.22	0.0	0.0	0.59
WSW	0.0	0.0	0.07	0.0	0.07	0.15	0.07	0.0	0.36
W	0.0	0.0	0.0	0.07	0.15	0.0	0.0	0.0	0.22
WRW	0.0	0.0	0.0	0.0	0.15	0.15	0.0	0.0	0.30
NW	0.0	0.0	0.07	0.15	0.15	0.37	0.07	0.0	0.81
NNW	0.0	0.0	0.0	0.07	0.15	0.0	0.0	0.0	0.22
SUBTOTAL	0.0	0.0	0.28	0.51	1.93	1.48	0.87	0.0	5.07

CALC = 0.0

69 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

69 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 69 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JUNE (74,75)								
	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	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.15
NNE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SE	0.0	0.0	0.0	0.07	0.0	0.15	0.0	0.0	0.22
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.15
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.07	0.0	0.07	0.0	0.14
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NW	0.0	0.0	0.0	0.15	0.07	0.07	0.07	0.0	0.36
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.29	0.28	0.66	0.14	0.0	1.37
CALC =	0.0								

20 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

19 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 20 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
 DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6=1-6	1-5=3-6	3-5=5-6	5-5=7-6	7-5=12-6	12-5=18-6	18-5=24-6	>=24-5	
N	0.0	0.0	0.0	0.0	0.0	0.15	0.07	0.0	0.22
NNE	0.0	0.0	0.0	0.0	0.07	0.15	0.0	0.0	0.22
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.28	0.44	0.07	0.0	0.79

CALC = 0.0

II STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

II VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL II STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.14	0.42	0.35	1.60	1.46	0.21	0.07	4.25
NNE	0.0	0.14	0.35	0.56	2.85	1.67	0.42	0.07	6.06
NE	0.0	0.14	0.0	0.56	3.41	1.74	0.63	0.0	6.48
ENE	0.07	0.07	0.56	0.70	1.81	1.95	0.21	0.0	5.37
E	0.0	0.42	0.28	0.49	1.39	0.70	0.0	0.0	3.28
ESE	0.07	0.28	0.35	0.49	1.32	1.04	0.0	0.0	3.55
SE	0.07	0.77	1.67	1.67	4.45	2.16	0.49	0.0	11.28
SSE	0.14	0.77	0.63	0.77	4.45	2.85	0.28	0.07	9.96
S	0.0	0.28	0.97	0.70	4.11	5.22	0.56	0.21	12.05
SSW	0.07	0.28	0.77	0.28	2.51	3.69	0.49	0.0	8.09
SW	0.07	0.49	0.63	0.70	2.16	2.44	0.35	0.07	6.91
WSW	0.0	0.56	1.18	0.56	1.67	1.60	0.21	0.21	5.99
W	0.07	0.21	1.11	0.84	0.97	0.35	0.07	0.0	3.62
WNW	0.14	0.14	0.49	0.97	1.60	0.14	0.0	0.0	3.48
NW	0.0	0.14	0.77	0.70	2.85	0.77	0.07	0.0	5.30
NNW	0.0	0.14	0.49	0.90	1.18	0.63	0.42	0.14	3.90
SUBTOTAL	0.70	4.97	10.67	11.24	38.33	28.41	4.41	0.84	99.57

CALM = 0.56

1437 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 96.57 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MAY (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.21
NNE	0.0	0.0	0.0	0.07	0.07	0.07	0.0	0.0	0.21
NE	0.0	0.0	0.0	0.0	0.14	0.21	0.0	0.0	0.35
ENE	0.0	0.0	0.14	0.0	0.14	0.07	0.0	0.0	0.35
E	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
ESE	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.21
SE	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
SSE	0.07	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.14
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
WSW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
W	0.07	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.14
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NNW	0.0	0.0	0.07	0.0	0.14	0.0	0.0	0.0	0.21
SUBTOTAL	0.14	0.07	0.35	0.21	1.12	0.42	0.0	0.0	2.31

CALM = 0.07

34 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

34 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 34 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MAY (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.07	0.0	0.21	0.14	0.0	0.0	0.42
NE	0.0	0.0	0.0	0.14	0.21	0.14	0.21	0.0	0.70
ENE	0.0	0.0	0.0	0.21	0.28	0.70	0.07	0.0	1.26
E	0.0	0.07	0.07	0.0	0.28	0.21	0.0	0.0	0.63
ESE	0.07	0.07	0.14	0.0	0.07	0.14	0.0	0.0	0.49
SE	0.07	0.21	0.21	0.14	0.49	0.07	0.0	0.0	1.19
SSE	0.0	0.14	0.14	0.14	0.28	0.21	0.0	0.0	0.91
S	0.0	0.0	0.07	0.0	0.42	0.56	0.07	0.0	1.12
SSW	0.07	0.14	0.0	0.0	0.42	0.77	0.07	0.0	1.47
SW	0.0	0.07	0.35	0.0	0.77	0.07	0.0	0.0	1.26
WSW	0.0	0.07	0.28	0.21	0.49	0.07	0.0	0.0	1.12
W	0.0	0.07	0.14	0.21	0.21	0.0	0.0	0.0	0.63
WNW	0.07	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.28
NW	0.0	0.0	0.07	0.0	0.14	0.14	0.07	0.0	0.42
NNW	0.0	0.07	0.0	0.14	0.28	0.0	0.0	0.0	0.49
SUBTOTAL	0.28	0.91	1.54	1.47	4.55	3.22	0.49	0.0	12.46
CALC =	0.42								

184 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

184 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 184 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
 -0.5 < DELTA-T <= 1.5 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	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	0.0	0.07	0.14	0.14	0.77	0.56	0.0	0.0	1.68
NNE	0.0	0.0	0.21	0.07	1.32	0.98	0.28	0.07	2.93
NE	0.0	0.0	0.0	0.14	1.32	0.63	0.42	0.0	2.51
ENE	0.0	0.0	0.21	0.14	0.63	1.12	0.14	0.0	2.24
E	0.0	0.07	0.07	0.14	0.63	0.21	0.0	0.0	1.12
ESE	0.0	0.07	0.14	0.35	0.49	0.84	0.0	0.0	1.89
SE	0.0	0.07	0.35	0.56	2.02	1.12	0.28	0.0	4.40
SSE	0.07	0.14	0.28	0.14	2.23	1.26	0.07	0.07	4.26
S	0.0	0.0	0.49	0.49	1.60	2.58	0.28	0.14	5.58
SSW	0.0	0.07	0.35	0.14	1.19	1.46	0.28	0.0	3.49
SW	0.07	0.0	0.14	0.42	1.05	0.84	0.0	0.0	2.52
WSW	0.0	0.07	0.14	0.21	0.63	0.56	0.07	0.14	1.82
W	0.0	0.07	0.14	0.28	0.21	0.07	0.07	0.0	0.84
WNW	0.07	0.07	0.07	0.49	0.28	0.0	0.0	0.0	0.98
NW	0.0	0.07	0.0	0.0	0.63	0.07	0.0	0.0	0.77
NNW	0.0	0.07	0.07	0.21	0.28	0.35	0.0	0.0	0.98
SUBTOTAL	0.21	0.84	2.80	3.92	15.28	12.65	1.89	0.42	38.01

CALC = 0.07

545 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

545 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 545 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MAY (74,75)								TOTAL
	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	
N	0.0	0.07	0.28	0.14	0.63	0.84	0.21	0.0	2.17
NNE	0.0	0.14	0.07	0.42	1.05	0.49	0.14	0.0	2.31
NE	0.0	0.14	0.0	0.21	1.12	0.56	0.0	0.0	2.03
ENE	0.07	0.07	0.21	0.21	0.63	0.0	0.0	0.0	1.19
E	0.0	0.28	0.14	0.35	0.49	0.21	0.0	0.0	1.47
ESE	0.0	0.14	0.07	0.07	0.56	0.07	0.0	0.0	0.91
SE	0.0	0.35	1.05	0.91	1.74	0.98	0.21	0.0	5.24
SSE	0.0	0.49	0.07	0.42	1.81	1.32	0.21	0.0	4.32
S	0.0	0.21	0.42	0.21	2.02	1.95	0.21	0.07	5.09
SSW	0.0	0.07	0.42	0.14	0.77	1.46	0.14	0.0	3.00
SW	0.0	0.35	0.07	0.21	0.07	1.39	0.28	0.07	2.44
WSW	0.0	0.42	0.70	0.14	0.49	0.91	0.14	0.07	2.87
W	0.0	0.07	0.77	0.35	0.49	0.28	0.0	0.0	1.96
WNW	0.0	0.07	0.42	0.28	1.19	0.14	0.0	0.0	2.10
NW	0.0	0.07	0.70	0.70	1.53	0.42	0.0	0.0	3.42
NNW	0.0	0.0	0.35	0.56	0.49	0.21	0.28	0.14	2.03
SUBTOTAL	0.07	2.94	5.74	5.32	15.08	11.23	1.82	0.35	42.55
CALC =	0.0								

611 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

609 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 611 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.07	0.14
NNE	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.07	0.35	0.07	0.0	0.0	0.49
ENE	0.0	0.0	0.0	0.07	0.14	0.07	0.0	0.0	0.28
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SE	0.0	0.0	0.0	0.07	0.21	0.0	0.0	0.0	0.28
SSE	0.0	0.0	0.07	0.07	0.0	0.07	0.0	0.0	0.21
S	0.0	0.07	0.0	0.0	0.07	0.14	0.0	0.0	0.28
SSW	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.14
SW	0.0	0.0	0.07	0.0	0.14	0.07	0.0	0.0	0.28
WSW	0.0	0.0	0.07	0.0	0.0	0.07	0.0	0.0	0.14
W	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.14
NW	0.0	0.0	0.0	0.0	0.49	0.14	0.0	0.0	0.63
NNW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SUBTOTAL	0.0	0.07	0.21	0.28	1.89	0.77	0.0	0.07	3.29

CALC = 0.0

47 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

47 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 47 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND.
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
 -1.9 < DELTA-T <= -1.7 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MAY (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.14
NE	0.0	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.21
ENE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.14
SUBTOTAL	0.0	0.0	0.0	0.07	0.28	0.21	0.14	0.0	0.70
CALM =	0.0								

10 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

10 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 10 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.21
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.28	0.0	0.07	0.0	0.35
CALC =	0.0								

5 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1436 VALID TEMPERATURE DIFFERENCE READINGS

5 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 5 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	APRIL (74,75) WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.07	0.07	0.21	1.64	2.66	0.07	0.0	4.92
NNE	0.0	0.0	0.21	0.29	1.64	2.79	0.36	0.0	5.29
NE	0.07	0.07	0.21	0.07	2.36	1.93	0.64	0.0	5.35
ENE	0.0	0.0	0.07	0.07	1.50	1.07	0.07	0.0	2.78
E	0.0	0.36	0.43	0.43	0.86	0.36	0.0	0.0	2.44
ESE	0.0	0.21	0.36	0.43	0.93	0.64	0.07	0.07	2.71
SE	0.0	0.43	1.07	1.93	3.07	2.00	0.71	0.21	9.42
SSE	0.07	0.50	1.43	0.57	1.79	2.07	1.93	1.79	10.15
S	0.0	0.43	0.64	0.43	1.50	2.79	2.50	2.50	10.79
SSW	0.0	0.50	0.29	0.14	1.57	3.79	3.65	1.79	11.73
SW	0.0	0.21	0.21	0.29	1.14	3.29	2.07	0.14	7.35
WSW	0.0	0.29	0.64	0.36	1.14	1.22	0.14	0.43	4.22
W	0.0	0.14	0.29	0.43	0.79	1.29	0.29	0.14	3.37
WNW	0.0	0.21	0.07	0.36	1.43	1.43	0.14	0.86	4.50
NW	0.0	0.21	0.21	0.43	1.29	2.79	1.29	0.71	6.93
NNW	0.07	0.0	0.21	0.29	1.43	4.22	1.07	0.14	7.43
SUBTOTAL	0.21	3.63	6.41	6.73	24.08	34.54	15.00	8.78	99.38

CALM = 0.57

1399 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 97.15 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

APRIL (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.0	0.07	0.07	0.07	0.0	0.21
NE	0.0	0.0	0.0	0.0	0.07	0.50	0.07	0.0	0.64
ENE	0.0	0.0	0.0	0.0	0.07	0.29	0.07	0.0	0.43
E	0.0	0.07	0.22	0.0	0.07	0.0	0.0	0.0	0.36
ESE	0.0	0.0	0.14	0.07	0.14	0.0	0.0	0.0	0.35
SE	0.0	0.07	0.22	0.14	0.14	0.0	0.0	0.0	0.57
SSE	0.0	0.07	0.22	0.07	0.14	0.0	0.07	0.0	0.57
S	0.0	0.07	0.0	0.07	0.07	0.07	0.0	0.0	0.28
SSW	0.0	0.0	0.07	0.0	0.22	0.43	0.14	0.0	0.86
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.07
WSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.07	0.14	0.14	0.07	0.0	0.0	0.0	0.42
WNW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
NW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.42	1.15	0.49	1.06	1.43	0.49	0.0	5.04

CALH = 0.22

74 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

74 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 74 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	APRIL (74,75)								
	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	0.0	0.0	0.0	0.0	0.0	0.14	0.07	0.0	0.21
NNE	0.0	0.0	0.07	0.14	0.22	0.43	0.07	0.0	0.93
NE	0.0	0.07	0.07	0.0	0.07	0.72	0.29	0.0	1.22
ENE	0.0	0.0	0.0	0.0	0.50	0.22	0.0	0.0	0.72
E	0.0	0.0	0.07	0.07	0.36	0.29	0.0	0.0	0.79
ESE	0.0	0.0	0.07	0.07	0.22	0.14	0.0	0.0	0.50
SE	0.0	0.22	0.36	0.29	0.36	0.43	0.07	0.0	1.73
SSE	0.0	0.14	0.07	0.14	0.50	0.29	0.43	0.0	1.57
S	0.0	0.14	0.0	0.07	0.29	0.65	0.22	0.07	1.44
SSW	0.0	0.14	0.0	0.0	0.36	1.22	0.22	0.0	1.94
SW	0.0	0.0	0.0	0.0	0.0	1.01	0.29	0.0	1.30
WSW	0.0	0.07	0.0	0.0	0.22	0.22	0.0	0.0	0.51
W	0.0	0.07	0.0	0.0	0.0	0.0	0.07	0.0	0.14
WNW	0.0	0.0	0.0	0.07	0.14	0.29	0.0	0.0	0.50
NW	0.0	0.0	0.07	0.07	0.0	0.22	0.0	0.0	0.36
NNW	0.0	0.0	0.0	0.07	0.07	0.07	0.14	0.0	0.35
SUBTOTAL	0.0	0.85	0.78	0.99	3.31	6.34	1.87	0.07	14.21
CALC =	0.14								

201 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

200 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 201 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.50	1.51	0.0	0.0	2.01
NNE	0.0	0.0	0.07	0.07	0.14	1.15	0.07	0.0	1.50
NE	0.0	0.0	0.14	0.0	0.93	0.50	0.29	0.0	1.86
ENE	0.0	0.0	0.07	0.0	0.29	0.43	0.0	0.0	0.79
E	0.0	0.07	0.07	0.14	0.36	0.07	0.0	0.0	0.71
ESE	0.0	0.14	0.0	0.14	0.22	0.14	0.07	0.0	0.71
SE	0.0	0.0	0.07	0.14	0.86	0.86	0.43	0.0	2.36
SSE	0.0	0.0	0.36	0.07	0.57	1.29	1.15	1.29	4.73
S	0.0	0.0	0.29	0.22	0.72	1.51	1.87	1.80	6.41
SSW	0.0	0.07	0.14	0.07	0.93	1.65	2.44	1.36	6.66
SW	0.0	0.0	0.0	0.14	0.50	1.15	1.15	0.14	3.08
WSW	0.0	0.07	0.0	0.0	0.50	0.29	0.07	0.14	1.07
W	0.0	0.0	0.0	0.0	0.22	0.22	0.07	0.07	0.58
WNW	0.0	0.14	0.0	0.07	0.22	0.22	0.0	0.14	0.79
NW	0.0	0.14	0.0	0.14	0.29	0.72	0.29	0.0	1.58
NNW	0.07	0.0	0.07	0.07	0.43	1.65	0.0	0.0	2.29
SUBTOTAL	0.07	0.63	1.28	1.27	7.68	13.36	7.90	4.94	37.13

CALC = 0.22

532 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

521 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 532 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND DIRECTION	WIND SPEED (MPH)							TOTAL	
	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
N	0.0	0.0	0.07	0.22	1.01	0.72	0.0	0.0	2.02
NNE	0.0	0.0	0.07	0.07	0.43	0.65	0.07	0.0	1.29
NE	0.07	0.0	0.0	0.07	0.65	0.0	0.0	0.0	0.79
ENE	0.0	0.0	0.0	0.07	0.36	0.07	0.0	0.0	0.50
E	0.0	0.07	0.07	0.22	0.0	0.0	0.0	0.0	0.36
ESE	0.0	0.07	0.14	0.07	0.36	0.36	0.0	0.07	1.07
SE	0.0	0.14	0.43	0.93	0.65	0.57	0.22	0.22	3.16
SSE	0.0	0.29	0.43	0.14	0.50	0.50	0.29	0.36	2.51
S	0.0	0.22	0.36	0.0	0.36	0.50	0.36	0.57	2.37
SSW	0.0	0.29	0.0	0.07	0.07	0.43	0.86	0.36	2.08
SW	0.0	0.22	0.22	0.07	0.57	0.86	0.43	0.0	2.37
WSW	0.0	0.07	0.43	0.29	0.43	0.50	0.07	0.29	2.08
W	0.0	0.0	0.07	0.29	0.43	1.01	0.14	0.07	2.01
WNW	0.0	0.07	0.07	0.22	1.01	0.65	0.14	0.72	2.88
NW	0.0	0.07	0.07	0.14	0.79	1.36	0.93	0.72	4.08
NNW	0.0	0.0	0.14	0.14	0.72	2.23	0.86	0.14	4.23
JB TOTAL	0.07	1.51	2.57	3.01	8.34	10.41	4.37	3.52	33.80

ALH = 0.0

484 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

471 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 484 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALK TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	APRIL (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.14	0.36	0.0	0.0	0.50
NNE	0.0	0.0	0.0	0.0	0.57	0.29	0.07	0.0	0.93
NE	0.0	0.0	0.0	0.0	0.36	0.14	0.0	0.0	0.50
ENE	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.22
E	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.0	0.0	0.14	0.14	0.14	0.0	0.0	0.42
SSE	0.0	0.0	0.14	0.07	0.0	0.0	0.0	0.07	0.28
S	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
SSW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.07	0.22	0.14	0.0	0.43
WSW	0.0	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.14
W	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
WNW	0.0	0.0	0.0	0.0	0.07	0.22	0.0	0.0	0.29
NW	0.0	0.0	0.0	0.07	0.22	0.43	0.07	0.0	0.79
NNW	0.0	0.0	0.0	0.0	0.07	0.29	0.07	0.0	0.43
SUBTOTAL	0.0	0.0	0.14	0.42	2.07	2.37	0.35	0.07	5.42

CALM = 0.0

77 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

76 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 77 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	APRIL (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.14
NNE	0.0	0.0	0.0	0.0	0.14	0.07	0.0	0.0	0.21
NE	0.0	0.0	0.0	0.0	0.29	0.07	0.0	0.0	0.36
ENE	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.22	0.72	0.0	0.0	0.0	0.94
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.07
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
NNW	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.14
SUBTOTAL	0.0	0.0	0.0	0.22	1.36	0.49	0.07	0.07	2.21
CALM =	0.0								

31 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

31 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 31 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.21
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.07	0.22	0.0	0.0	0.0	0.29
SSE	0.0	0.0	0.22	0.07	0.07	0.0	0.0	0.07	0.43
S	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07	0.14
SSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.14
WSW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.29	0.28	0.36	0.28	0.0	0.14	1.35
CALC =	0.0								

20 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

19 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 20 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.07	0.21	0.14	0.21	1.76	3.10	1.27	0.07	6.83
NNE	0.07	0.28	0.21	0.21	1.06	1.76	0.92	0.07	4.58
NE	0.0	0.14	0.42	0.35	1.34	2.05	0.42	0.0	4.72
ENE	0.07	0.21	0.07	0.21	1.97	0.49	0.0	0.0	3.02
E	0.0	0.14	0.21	0.63	0.85	0.63	0.35	0.0	2.81
ESE	0.0	0.28	0.28	0.42	1.55	1.48	0.0	0.07	4.08
SE	0.0	0.28	0.99	1.34	2.40	1.69	1.41	1.69	9.80
SSE	0.0	0.49	0.42	0.85	1.13	1.62	1.20	1.90	7.61
S	0.0	0.14	0.14	0.14	1.41	2.68	1.34	1.90	7.75
SSW	0.0	0.14	0.28	0.21	2.75	4.65	4.02	2.68	14.73
SW	0.07	0.21	0.0	0.35	1.97	2.26	1.55	1.06	7.47
WSW	0.0	0.07	0.21	0.35	0.56	1.13	0.49	0.21	3.02
W	0.07	0.0	0.28	0.42	0.49	0.85	1.20	1.41	4.72
WNW	0.0	0.14	0.0	0.21	1.20	0.85	1.34	0.92	4.66
NW	0.0	0.07	0.49	0.21	1.55	1.90	2.12	0.78	7.12
NNW	0.14	0.07	0.63	0.14	1.48	2.26	1.90	0.35	6.97
SUBTOTAL	0.49	2.87	4.77	6.25	23.47	29.40	19.53	13.11	99.89

CALM = 0.0

1418 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 95.30 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	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		
N	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
NE	0.0	0.07	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.14
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.07	0.0	0.14	0.07	0.0	0.0	0.0	0.28
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.21	0.07	0.14	0.0	0.42
SSW	0.0	0.07	0.0	0.0	0.0	0.85	0.07	0.07	0.07	1.06
SW	0.0	0.07	0.0	0.0	0.0	0.21	0.0	0.07	0.07	0.35
WSW	0.0	0.0	0.14	0.0	0.07	0.14	0.0	0.0	0.0	0.35
W	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
NW	0.0	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.21
NNW	0.07	0.0	0.28	0.0	0.14	0.0	0.0	0.0	0.0	0.49
SUBTOTAL	0.07	0.35	0.63	0.21	0.42	1.48	0.14	0.28	0.28	3.58

CALC = 0.0

SI STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

SI VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL SI STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
 1.5 < DELTA-T <= 4.0 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.07	0.14	0.0	0.0	0.0	0.07	0.0	0.0	0.28
NNE	0.07	0.14	0.0	0.07	0.07	0.07	0.0	0.0	0.42
NE	0.0	0.0	0.0	0.07	0.14	0.21	0.0	0.0	0.42
ENE	0.07	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.21
E	0.0	0.14	0.0	0.07	0.0	0.21	0.07	0.0	0.49
ESE	0.0	0.07	0.0	0.0	0.14	0.07	0.0	0.0	0.28
SE	0.0	0.0	0.0	0.14	0.0	0.14	0.14	0.0	0.42
SSE	0.0	0.14	0.0	0.07	0.14	0.14	0.50	0.28	1.27
S	0.0	0.0	0.0	0.0	0.35	1.21	0.43	1.21	3.20
SSW	0.0	0.0	0.0	0.14	0.43	2.06	0.64	0.35	3.62
SW	0.0	0.0	0.0	0.0	0.50	0.50	0.14	0.14	1.28
WSW	0.0	0.0	0.0	0.07	0.07	0.14	0.0	0.0	0.28
W	0.07	0.0	0.07	0.14	0.0	0.14	0.0	0.0	0.42
WNW	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
NW	0.0	0.0	0.07	0.07	0.28	0.21	0.0	0.0	0.63
NNW	0.0	0.07	0.07	0.0	0.14	0.0	0.0	0.0	0.28
SUBTOTAL	0.28	0.70	0.21	0.84	2.40	5.31	1.92	1.98	13.64
CALC =	0.0								

195 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

193 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 195 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MARCH (74,75)								TOTAL
	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	
N	0.0	0.07	0.14	0.0	0.92	1.35	0.0	0.0	2.48
NNE	0.0	0.0	0.0	0.0	0.35	0.92	0.07	0.0	1.34
NE	0.0	0.07	0.21	0.07	0.78	1.35	0.28	0.0	2.76
ENE	0.0	0.07	0.0	0.0	0.64	0.21	0.0	0.0	0.92
E	0.0	0.0	0.0	0.14	0.43	0.43	0.14	0.0	1.14
ESE	0.0	0.0	0.21	0.07	0.99	1.14	0.0	0.0	2.41
SE	0.0	0.07	0.21	0.21	0.78	1.06	1.14	1.14	4.61
SSE	0.0	0.14	0.07	0.21	0.43	0.71	0.50	1.14	3.20
S	0.0	0.0	0.14	0.0	0.78	0.99	0.50	0.50	2.91
SSW	0.0	0.0	0.14	0.07	1.42	1.35	2.91	1.77	7.66
SW	0.0	0.07	0.0	0.21	0.99	1.21	1.14	0.85	4.47
WSW	0.0	0.0	0.07	0.07	0.14	0.57	0.35	0.14	1.34
W	0.0	0.0	0.07	0.0	0.21	0.35	0.50	0.0	1.13
WNW	0.0	0.07	0.0	0.14	0.64	0.21	0.21	0.07	1.34
NW	0.0	0.07	0.07	0.07	0.35	0.43	0.07	0.21	1.27
NNW	0.0	0.0	0.14	0.07	0.35	0.50	0.21	0.0	1.27
SUBTOTAL	0.0	0.63	1.47	1.33	10.20	12.78	8.02	5.82	40.25

CALC = 0.0

584 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

568 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 584 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
 -1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MARCH (74,75)									TOTAL
	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		
N	0.0	0.0	0.0	0.14	0.78	1.70	0.92	0.07	3.61	
NNE	0.0	0.07	0.21	0.14	0.50	0.78	0.64	0.07	2.41	
NE	0.0	0.0	0.21	0.14	0.43	0.50	0.14	0.0	1.42	
ENE	0.0	0.14	0.07	0.14	0.99	0.21	0.0	0.0	1.55	
E	0.0	0.0	0.21	0.43	0.35	0.0	0.14	0.0	1.13	
ESE	0.0	0.21	0.07	0.28	0.28	0.28	0.0	0.07	1.19	
SE	0.0	0.21	0.64	0.43	0.71	0.43	0.14	0.50	3.06	
SSE	0.0	0.14	0.14	0.21	0.57	0.64	0.21	0.50	2.41	
S	0.0	0.07	0.0	0.14	0.28	0.28	0.28	0.0	1.05	
SSW	0.0	0.07	0.14	0.0	0.78	0.35	0.28	0.35	1.97	
SW	0.07	0.07	0.0	0.14	0.43	0.21	0.28	0.0	1.20	
WSW	0.0	0.07	0.0	0.21	0.28	0.28	0.14	0.07	1.05	
W	0.0	0.0	0.07	0.28	0.28	0.35	0.71	1.35	3.04	
WNW	0.0	0.0	0.0	0.07	0.43	0.50	0.71	0.64	2.35	
NW	0.0	0.0	0.28	0.0	0.85	1.21	1.85	0.35	4.54	
NNW	0.07	0.0	0.14	0.07	0.85	1.70	1.42	0.35	4.60	
SUBTOTAL	0.14	1.05	2.18	2.82	8.79	9.42	7.86	4.32	36.58	

CALC = 0.0

524 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

517 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 524 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.28
NNE	0.0	0.0	0.0	0.0	0.07	0.0	0.07	0.0	0.14
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.21
E	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.35	0.35	0.0	0.0	0.07	0.77
SSE	0.0	0.07	0.21	0.14	0.0	0.07	0.0	0.0	0.49
S	0.0	0.07	0.0	0.0	0.0	0.0	0.07	0.0	0.14
SSW	0.0	0.0	0.0	0.0	0.14	0.07	0.07	0.0	0.28
SW	0.0	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.21
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.07	0.0	0.14	0.07	0.28
NW	0.0	0.0	0.0	0.0	0.0	0.07	0.21	0.0	0.28
NNW	0.0	0.0	0.0	0.0	0.0	0.07	0.14	0.0	0.21
SUBTOTAL	0.0	0.14	0.21	0.49	0.98	0.42	0.98	0.14	3.36
CALC =	0.0								

48 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1434 VALID TEMPERATURE DIFFERENCE READINGS

48 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 48 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
 1.5 < DELTA-TK = 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	OCTOBER (74,75)								TOTAL
	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	
N	0.0	0.08	0.0	0.15	0.30	0.08	0.23	0.0	0.84
NNE	0.0	0.0	0.23	0.0	0.30	0.53	0.76	0.08	1.90
NE	0.0	0.08	0.15	0.08	0.08	0.84	0.23	0.0	1.46
ENE	0.0	0.15	0.15	0.15	0.46	0.08	0.15	0.0	1.14
E	0.0	0.08	0.15	0.23	0.08	0.0	0.0	0.0	0.54
ESE	0.0	0.15	0.30	0.08	0.30	0.23	0.0	0.0	1.06
SE	0.0	0.15	0.08	0.15	1.37	0.91	0.23	0.0	2.89
SSE	0.08	0.15	0.08	0.30	0.61	1.60	0.0	0.0	2.82
S	0.0	0.0	0.0	0.08	1.29	0.68	0.23	0.0	2.28
SSW	0.0	0.08	0.0	0.15	0.15	0.91	0.0	0.0	1.29
SW	0.0	0.0	0.08	0.30	0.53	0.46	0.0	0.0	1.37
WSW	0.0	0.15	0.08	0.08	0.0	0.08	0.0	0.0	0.39
W	0.0	0.0	0.08	0.15	0.15	0.08	0.0	0.0	0.46
WNW	0.0	0.08	0.0	0.08	0.08	0.0	0.0	0.0	0.24
NW	0.0	0.15	0.0	0.23	0.08	0.0	0.0	0.0	0.46
NNW	0.0	0.0	0.23	0.15	0.15	0.23	0.0	0.0	0.76
SUBTOTAL	0.08	1.30	1.61	2.36	5.93	6.71	1.83	0.08	19.90
CALM	0.0								

261 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

261 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 261 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALM TOTALS 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)

WIND SPEED (KPH)

WIND DIRECTION	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	0.0	0.30	0.0	0.0	0.30	0.91	0.08	0.0	1.59
NNE	0.08	0.0	0.08	0.08	0.30	1.45	0.91	0.0	2.90
NE	0.0	0.0	0.0	0.08	0.38	0.61	0.61	0.08	1.76
ENE	0.0	0.08	0.08	0.08	0.15	0.30	0.30	0.0	0.99
E	0.0	0.08	0.46	0.23	0.30	0.23	0.08	0.0	1.38
ESE	0.08	0.30	0.23	0.15	1.07	0.99	0.0	0.0	2.82
SE	0.0	0.23	0.30	0.08	1.37	1.29	0.68	0.0	3.95
SSE	0.0	0.0	0.08	0.68	1.98	2.66	0.68	0.0	6.08
S	0.0	0.0	0.15	0.46	0.91	0.61	0.08	0.0	2.21
SSW	0.0	0.08	0.23	0.15	0.91	0.23	0.0	0.0	1.60
SW	0.0	0.08	0.08	0.15	0.15	0.15	0.0	0.0	0.61
WSW	0.0	0.0	0.08	0.23	0.15	0.23	0.0	0.0	0.69
W	0.0	0.08	0.08	0.15	0.0	0.0	0.0	0.0	0.31
WNW	0.0	0.0	0.30	0.08	0.46	0.0	0.0	0.0	0.84
NW	0.0	0.0	0.0	0.23	0.08	0.08	0.0	0.0	0.39
NNW	0.0	0.15	0.08	0.23	0.30	0.15	0.0	0.0	0.91
SUBTOTAL	0.16	1.38	2.23	3.06	8.81	9.89	3.42	0.08	29.03

CALC = 0.0

382 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

361 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 382 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	OCTOBER (74,75)								TOTAL
	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	
N	0.0	0.08	0.15	0.23	0.76	1.22	0.30	0.0	2.74
NNE	0.15	0.23	0.30	0.61	0.66	1.60	0.15	0.0	3.72
NE	0.0	0.0	0.08	0.38	0.53	0.30	0.08	0.08	1.45
ENE	0.0	0.0	0.15	0.15	0.30	0.23	0.0	0.0	0.83
E	0.0	0.08	0.08	0.15	0.30	0.0	0.0	0.0	0.61
ESE	0.0	0.30	0.46	0.30	0.46	0.0	0.0	0.0	1.52
SE	0.0	0.15	0.76	0.53	0.76	0.84	0.08	0.08	3.20
SSE	0.08	0.30	0.46	0.38	0.61	0.30	0.08	0.08	2.29
S	0.0	0.15	0.38	0.15	0.46	0.30	0.23	0.0	1.67
SSW	0.0	0.38	0.0	0.08	0.15	0.46	0.0	0.0	1.07
SW	0.0	0.08	0.61	0.23	0.0	0.08	0.0	0.0	1.00
WSW	0.0	0.38	0.46	0.38	0.0	0.0	0.0	0.0	1.22
W	0.0	0.08	0.46	0.38	0.46	0.0	0.0	0.0	1.38
WNW	0.0	0.08	0.23	0.68	0.76	0.23	0.15	0.0	2.13
NW	0.0	0.23	0.38	0.53	1.07	0.38	0.53	0.30	3.42
NNW	0.0	0.0	0.15	0.08	1.14	1.60	0.30	0.0	3.27
SUBTOTAL	0.23	2.52	5.11	5.24	8.44	7.54	1.90	0.54	31.52
CALM =	0.0								

418 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

414 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 418 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)
WIND SPEED(MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.08	0.15	0.0	0.0	0.23
NNE	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.30
NE	0.0	0.0	0.0	0.0	0.0	0.15	0.08	0.0	0.23
ENE	0.0	0.0	0.08	0.08	0.08	0.0	0.0	0.0	0.24
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.15	0.0	0.08	0.0	0.23
SSE	0.0	0.0	0.08	0.08	0.30	0.0	0.0	0.0	0.46
S	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.08
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
NW	0.0	0.0	0.08	0.08	0.0	0.08	0.0	0.0	0.24
NNW	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.08
SUBTOTAL	0.0	0.0	0.32	0.32	0.69	0.76	0.16	0.0	2.25

CALM = 0.0

29 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

29 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 29 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.0 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	OCTOBER (74,75)								TOTAL
	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=14-4	14-5=24-4	>24-5	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.23
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.23
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.08	0.0	0.0	0.08	0.0	0.0	0.0	0.16
SE	0.0	0.0	0.0	0.08	0.30	0.23	0.0	0.0	0.61
SSE	0.0	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.16
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.08	0.0	0.08	0.0	0.0	0.16
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.08	0.08	0.24	0.38	0.77	0.0	0.0	1.55

CALC = 0.0

20 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

20 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 20 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)
WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.23
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.08
SE	0.0	0.0	0.08	0.0	0.30	0.23	0.08	0.0	0.69
SSE	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.24	0.0	0.38	0.54	0.08	0.0	1.24
CALC =	0.0								

16 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

16 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 16 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND DIRECTION	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	0.0	0.29	0.43	0.71	2.43	1.79	1.07	0.14	6.86
NNE	0.0	0.64	0.50	1.07	4.79	5.07	1.86	0.21	14.14
NE	0.0	0.07	0.50	0.36	3.29	3.64	1.57	0.0	9.43
ENE	0.14	0.36	0.71	0.57	1.71	1.36	0.43	0.0	5.29
E	0.07	0.36	0.21	0.93	2.14	0.93	0.0	0.0	4.64
ESE	0.0	0.50	0.79	0.71	2.93	1.29	0.14	0.0	6.36
SE	0.07	0.79	1.86	1.71	5.00	2.79	1.50	0.07	13.79
SSE	0.0	0.50	1.00	1.86	3.86	0.93	0.43	0.0	8.58
S	0.07	0.43	0.86	1.57	1.36	1.00	0.57	0.0	5.86
SSW	0.14	0.0	0.64	0.21	0.93	1.21	0.21	0.0	3.34
SW	0.0	0.43	0.57	0.21	0.71	1.36	0.21	0.0	3.49
WSW	0.07	0.21	0.29	0.29	0.57	0.21	0.0	0.0	1.64
W	0.0	0.14	0.29	0.43	0.93	0.36	0.0	0.0	2.15
WNW	0.0	0.14	0.07	0.64	0.93	0.43	0.14	0.0	2.35
NW	0.07	0.29	0.64	0.50	1.50	1.57	0.50	0.0	5.07
NNW	0.0	0.29	0.57	0.79	2.64	2.57	0.07	0.07	7.00
SUBTOTAL	0.63	5.44	9.93	12.56	35.72	26.51	8.70	0.49	99.98

CALM = 0.0

1400 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 97.22 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

SEPT. (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.07	0.0	0.0	0.0	0.15	0.0	0.0	0.22
NNE	0.0	0.0	0.0	0.0	0.15	0.80	0.0	0.0	0.95
NE	0.0	0.07	0.0	0.0	0.07	0.44	0.37	0.0	0.95
ENE	0.07	0.07	0.0	0.0	0.0	0.07	0.29	0.0	0.50
E	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
ESE	0.0	0.0	0.0	0.15	0.15	0.0	0.0	0.0	0.30
SE	0.07	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.21
SSE	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.0	0.29
S	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
SSW	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.15
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NNW	0.0	0.15	0.0	0.0	0.07	0.22	0.0	0.0	0.44
SUBTOTAL	0.14	0.36	0.22	0.29	1.01	1.75	0.66	0.0	4.43
CALH =	0.0								

61 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

61 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 61 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	SEPT. (74,75)								TOTAL
	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	
N	0.0	0.15	0.22	0.15	0.07	0.37	0.58	0.0	1.54
NNE	0.0	0.07	0.07	0.07	0.73	0.66	0.66	0.07	2.33
NE	0.0	0.0	0.07	0.0	0.44	0.80	0.29	0.0	1.60
ENE	0.0	0.0	0.07	0.22	0.44	0.51	0.15	0.0	1.39
E	0.07	0.07	0.07	0.07	0.29	0.15	0.0	0.0	0.72
ESE	0.0	0.07	0.07	0.22	0.58	0.15	0.0	0.0	1.09
SE	0.0	0.15	0.22	0.29	1.97	0.58	0.0	0.0	3.21
SSE	0.0	0.0	0.15	0.37	1.24	0.0	0.0	0.0	1.76
S	0.07	0.0	0.15	0.22	0.07	0.15	0.0	0.0	0.66
SSW	0.15	0.0	0.15	0.07	0.0	0.29	0.0	0.0	0.66
SW	0.0	0.07	0.07	0.0	0.0	0.15	0.0	0.0	0.29
WSW	0.07	0.15	0.0	0.22	0.0	0.0	0.0	0.0	0.44
W	0.0	0.0	0.15	0.0	0.07	0.0	0.0	0.0	0.22
WW	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.15
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.07	0.0	0.15	0.22	0.29	0.0	0.0	0.73
SUBTOTAL	0.36	0.80	1.46	2.20	6.12	4.10	1.68	0.07	16.79
CALC =	0.0								

230 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

230 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 230 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.07	0.07	0.15	0.51	0.29	0.15	0.0	1.24
NNE	0.0	0.15	0.07	0.29	1.02	1.24	0.66	0.0	3.43
NE	0.0	0.0	0.15	0.15	1.10	1.90	0.95	0.0	4.25
ENE	0.07	0.22	0.58	0.07	0.80	0.80	0.0	0.0	2.54
E	0.0	0.07	0.07	0.44	0.95	0.66	0.0	0.0	2.19
ESE	0.0	0.29	0.0	0.22	1.46	1.10	0.15	0.0	3.22
SE	0.0	0.15	0.37	0.29	1.10	1.39	0.88	0.0	4.18
SSE	0.0	0.0	0.22	0.51	1.61	0.37	0.07	0.0	2.78
S	0.0	0.07	0.22	0.73	0.29	0.29	0.29	0.0	1.89
SSW	0.0	0.0	0.15	0.07	0.15	0.58	0.15	0.0	1.10
SW	0.0	0.0	0.0	0.07	0.07	0.44	0.15	0.0	0.73
WSW	0.0	0.0	0.15	0.0	0.58	0.15	0.0	0.0	0.88
W	0.0	0.0	0.0	0.22	0.29	0.0	0.0	0.0	0.51
WNW	0.0	0.0	0.07	0.22	0.15	0.0	0.0	0.0	0.44
NW	0.07	0.0	0.15	0.0	0.29	0.07	0.15	0.0	0.73
NNW	0.0	0.0	0.22	0.29	0.15	0.29	0.0	0.0	0.95
SUBTOTAL	0.14	1.02	2.49	3.72	10.52	9.57	3.60	0.0	31.06

CALM = 0.0

425 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

425 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 425 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	SEPT. (74,75) WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.15	0.44	1.83	0.95	0.37	0.15	3.89
NNE	0.0	0.44	0.37	0.58	2.70	2.27	0.58	0.15	7.09
NE	0.0	0.0	0.29	0.22	1.46	0.37	0.0	0.0	2.34
ENE	0.0	0.07	0.07	0.29	0.51	0.0	0.0	0.0	0.94
E	0.0	0.22	0.07	0.37	0.88	0.07	0.0	0.0	1.61
ESE	0.0	0.15	0.66	0.07	0.73	0.07	0.0	0.0	1.68
SE	0.0	0.51	1.10	0.68	1.10	0.80	0.58	0.0	4.97
SSE	0.0	0.51	0.58	0.58	0.73	0.58	0.37	0.0	3.35
S	0.0	0.37	0.22	0.37	0.73	0.51	0.22	0.0	2.42
SSW	0.0	0.0	0.07	0.0	0.66	0.29	0.07	0.0	1.09
SW	0.0	0.37	0.51	0.15	0.51	0.73	0.07	0.0	2.34
WSW	0.0	0.07	0.07	0.07	0.0	0.07	0.0	0.0	0.28
W	0.0	0.15	0.15	0.07	0.15	0.37	0.0	0.0	0.89
WNW	0.0	0.15	0.0	0.29	0.66	0.44	0.15	0.0	1.69
NW	0.0	0.29	0.44	0.29	0.88	1.54	0.37	0.0	3.81
NNW	0.0	0.07	0.37	0.37	2.05	1.75	0.07	0.07	4.75
SUBTOTAL	0.0	3.37	5.12	5.04	15.58	10.81	2.85	0.37	43.14
CALC =	0.0								

592 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

590 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 592 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T < -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.0	0.07	0.22	0.0	0.0	0.29
NE	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SE	0.0	0.0	0.0	0.15	0.58	0.07	0.0	0.07	0.87
SSE	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.15
S	0.0	0.0	0.15	0.0	0.15	0.0	0.07	0.0	0.37
SSW	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.0	0.14
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.07	0.29	0.0	0.0	0.0	0.36
NNW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SUBTOTAL	0.0	0.0	0.22	0.37	1.44	0.36	0.07	0.07	2.53

CALM = 0.0

35 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

35 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 35 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
 -1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	SEPT. (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.0	0.07	0.15	0.0	0.0	0.22
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.07	0.22	0.0	0.07	0.0	0.36
SSE	0.0	0.0	0.0	0.22	0.07	0.0	0.0	0.0	0.29
S	0.0	0.0	0.07	0.0	0.0	0.07	0.0	0.0	0.14
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
WSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.21	0.29	0.43	0.29	0.07	0.0	1.29
CALC =	0.0								

18 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

18 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 18 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
 DELTA T <= -1.9 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.15
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.22	0.07	0.0	0.0	0.0	0.29
SSW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.15	0.29	0.14	0.07	0.0	0.0	0.65
CALC =	0.0								

9 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

9 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 9 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BRONNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	AUGUST (74,75) 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	0.0	0.54	0.34	0.61	0.61	0.41	0.14	0.0	2.65
NNE	0.0	0.20	0.27	0.41	1.01	0.27	0.20	0.0	2.36
NE	0.0	0.14	0.41	0.47	1.15	1.22	0.61	0.07	4.07
ENE	0.0	0.14	0.34	0.54	0.61	0.61	0.14	0.0	2.38
E	0.0	0.20	0.74	0.41	0.54	0.20	0.0	0.0	2.09
ESE	0.07	0.54	0.54	0.61	2.03	0.81	0.07	0.0	4.67
SE	0.07	0.74	2.09	2.23	6.01	4.39	0.68	0.14	16.35
SSE	0.07	0.88	2.23	3.38	5.47	2.09	0.07	0.0	14.19
S	0.14	1.76	2.23	1.96	5.07	2.03	0.14	0.0	13.33
SSW	0.07	0.68	0.95	1.42	3.11	1.42	0.20	0.07	7.92
SW	0.0	0.88	1.15	1.49	2.97	1.15	0.07	0.0	7.71
WSW	0.07	0.88	1.96	1.42	1.62	0.20	0.0	0.0	6.15
W	0.07	0.74	2.30	1.28	1.42	0.0	0.0	0.0	5.81
WNW	0.07	0.27	0.54	1.76	1.42	0.07	0.14	0.0	4.27
NW	0.0	0.20	1.08	1.01	1.35	0.14	0.07	0.0	3.85
NNW	0.0	0.27	0.27	0.20	0.95	0.34	0.14	0.0	2.17
SUBTOTAL	0.63	9.06	17.44	19.20	35.34	15.35	2.67	0.28	99.97

CALC = 0.14

1480 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 99.46 PERCENT

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BRONNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)							TOTAL	
	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
N	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.14	0.0	0.0	0.14	0.0	0.28
NE*	0.0	0.0	0.07	0.0	0.07	0.35	0.14	0.0	0.63
ENE	0.0	0.0	0.14	0.07	0.14	0.07	0.07	0.0	0.49
E	0.0	0.07	0.07	0.0	0.0	0.07	0.0	0.0	0.21
ESE	0.0	0.07	0.0	0.0	0.07	0.0	0.0	0.0	0.14
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
S	0.07	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.21
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.07	0.0	0.07	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.0	0.21
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SUBTOTAL	0.07	0.42	0.63	0.28	0.28	0.49	0.35	0.0	2.52

CALC = 0.0

36 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

36 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 36 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.21	0.07	0.0	0.0	0.28	0.07	0.0	0.63
NNE	0.0	0.07	0.07	0.07	0.21	0.14	0.0	0.0	0.56
NE	0.0	0.0	0.14	0.07	0.14	0.63	0.42	0.0	1.40
ENE	0.0	0.0	0.0	0.07	0.14	0.21	0.07	0.0	0.49
E	0.0	0.07	0.21	0.07	0.28	0.07	0.0	0.0	0.70
ESE	0.0	0.14	0.14	0.07	0.42	0.14	0.0	0.0	0.91
SE	0.07	0.07	0.56	0.49	1.68	0.35	0.0	0.0	3.22
SSE	0.07	0.14	0.28	0.77	0.42	0.0	0.0	0.0	1.68
S	0.07	0.28	0.21	0.07	0.0	0.07	0.0	0.0	0.70
SSW	0.07	0.21	0.14	0.0	0.14	0.21	0.0	0.0	0.77
SW	0.0	0.28	0.21	0.07	0.0	0.35	0.0	0.0	0.91
WSW	0.0	0.07	0.14	0.0	0.14	0.0	0.0	0.0	0.35
W	0.0	0.28	0.14	0.0	0.0	0.0	0.0	0.0	0.42
WNW	0.07	0.14	0.0	0.14	0.0	0.0	0.0	0.0	0.35
NW	0.0	0.21	0.21	0.07	0.0	0.0	0.0	0.0	0.49
NNW	0.0	0.07	0.07	0.07	0.0	0.07	0.07	0.0	0.35
SUBTOTAL	0.35	2.24	2.59	2.03	3.57	2.52	0.63	0.0	13.93
CALM =	0.14								

201 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

201 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 201 STABILITY CLASS F OCCURRENCES

*ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.14	0.0	0.21	0.0	0.07	0.07	0.0	0.49
NNE	0.0	0.07	0.07	0.07	0.49	0.14	0.07	0.0	0.91
NE	0.0	0.0	0.07	0.14	0.35	0.21	0.07	0.0	0.84
ENE	0.0	0.07	0.14	0.42	0.07	0.28	0.0	0.0	0.98
E	0.0	0.0	0.28	0.14	0.21	0.07	0.0	0.0	0.70
ESE	0.07	0.14	0.21	0.35	0.98	0.63	0.07	0.0	2.45
SE	0.0	0.21	0.21	0.42	1.54	1.89	0.28	0.0	4.55
SSE	0.0	0.07	0.91	1.47	2.24	0.63	0.0	0.0	5.32
S	0.0	0.07	0.49	0.63	1.61	0.77	0.07	0.0	3.64
SSW	0.0	0.28	0.28	0.42	0.84	0.35	0.07	0.07	2.31
SW	0.0	0.07	0.35	0.56	0.70	0.42	0.0	0.0	2.10
WSW	0.0	0.14	0.63	0.28	0.63	0.14	0.0	0.0	1.82
W	0.07	0.07	0.56	0.07	0.49	0.0	0.0	0.0	1.26
WNW	0.0	0.07	0.35	0.77	0.42	0.0	0.07	0.0	1.68
NW	0.0	0.0	0.35	0.21	0.35	0.0	0.07	0.0	0.98
NNW	0.0	0.14	0.07	0.0	0.35	0.14	0.07	0.0	0.77
SUBTOTAL	0.14	1.54	4.97	6.16	11.27	5.74	0.91	0.07	30.80

CALM = 0.0

440 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

440 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 440 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
 -1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0.5-1.4	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	0.0	0.14	0.07	0.42	0.35	0.0	0.0	0.0	0.98
NNE	0.0	0.07	0.14	0.14	0.35	0.0	0.0	0.0	0.70
NE	0.0	0.14	0.07	0.14	0.35	0.07	0.0	0.07	0.84
ENE	0.0	0.07	0.0	0.0	0.21	0.07	0.0	0.0	0.35
E	0.0	0.07	0.21	0.21	0.0	0.0	0.0	0.0	0.49
ESE	0.0	0.14	0.21	0.21	0.56	0.07	0.0	0.0	1.19
SE	0.0	0.49	1.19	0.84	1.19	2.03	0.35	0.14	6.23
SSE	0.0	0.56	0.70	0.91	2.03	1.40	0.0	0.0	5.60
S	0.0	1.26	0.91	1.05	2.94	0.91	0.07	0.0	7.14
SSW	0.0	0.14	0.49	0.77	1.89	0.84	0.14	0.0	4.27
SW	0.0	0.42	0.56	0.63	1.82	0.14	0.07	0.0	3.64
WSW	0.0	0.56	0.84	0.98	0.77	0.07	0.0	0.0	3.22
W	0.0	0.21	1.47	1.19	0.84	0.0	0.0	0.0	3.71
WNW	0.0	0.07	0.21	0.77	0.98	0.07	0.07	0.0	2.17
NW	0.0	0.0	0.56	0.70	0.84	0.14	0.0	0.0	2.24
NNW	0.0	0.07	0.07	0.14	0.63	0.14	0.0	0.0	1.05
SUBTOTAL	0.0	4.41	7.70	9.10	15.75	5.95	0.70	0.21	43.82

CALC = 0.0

626 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

626 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 626 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
 -1.7 < DELTA-T < -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.07	0.0	0.14	0.07	0.0	0.0	0.28
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.07	0.28	0.0	0.0	0.0	0.35
ENE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.0	0.14	0.28	0.70	0.28	0.07	0.0	1.47
SSE	0.0	0.07	0.14	0.28	0.63	0.07	0.0	0.0	1.19
S	0.0	0.07	0.35	0.14	0.14	0.21	0.0	0.0	0.91
SSW	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
SW	0.0	0.07	0.07	0.07	0.21	0.0	0.0	0.0	0.42
WSW	0.0	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.21
W	0.0	0.0	0.07	0.0	0.14	0.0	0.0	0.0	0.21
WNW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
NW	0.0	0.0	0.0	0.07	0.21	0.0	0.0	0.0	0.28
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.28	0.91	1.05	2.66	0.70	0.07	0.0	5.67

CALM = 0.0

81 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

81 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 81 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS B
 -1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	AUGUST (74,75)								
	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	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.14
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SE	0.0	0.0	0.0	0.14	0.56	0.0	0.0	0.0	0.70
SSE	0.0	0.0	0.14	0.0	0.21	0.0	0.0	0.0	0.35
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNN	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
NN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.14	0.35	1.05	0.0	0.0	0.0	1.54
CALM =	0.0								

22 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

22 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 22 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.07	0.07	0.56	0.0	0.0	0.0	0.70
SSE	0.0	0.0	0.07	0.0	0.14	0.07	0.0	0.0	0.28
S	0.0	0.0	0.0	0.0	0.21	0.14	0.0	0.0	0.35
SSW	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.14
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RNW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.14	0.07	1.12	0.21	0.0	0.0	1.54

CALC = 0.0

22 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 2428 VALID TEMPERATURE DIFFERENCE READINGS

22 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 22 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.07	0.48	0.89	1.77	0.75	0.20	0.0	4.16
NNE	0.0	0.27	1.02	0.61	1.29	1.43	0.07	0.0	4.69
NE	0.0	0.48	0.95	0.61	1.77	0.89	0.14	0.0	4.84
ENE	0.0	0.07	0.41	0.48	1.43	0.68	0.07	0.0	3.14
E	0.0	0.34	0.54	0.48	1.43	0.75	0.0	0.0	3.54
ESE	0.07	0.27	0.48	0.54	1.50	1.09	1.16	0.07	5.18
SE	0.0	0.82	1.98	1.63	3.34	1.09	0.34	1.02	10.22
SSE	0.27	1.98	2.04	1.57	2.93	1.02	0.0	0.0	9.81
S	0.0	0.95	1.36	1.63	2.25	0.34	0.0	0.0	6.53
SSW	0.07	0.54	1.63	1.09	1.63	0.75	0.0	0.0	5.71
SW	0.0	1.23	1.98	1.09	2.59	0.48	0.0	0.0	7.37
WSW	0.07	0.61	2.45	1.23	1.84	0.07	0.0	0.0	6.27
W	0.14	0.48	2.04	1.91	2.59	0.34	0.0	0.0	7.50
WNW	0.0	0.20	1.23	2.11	3.27	0.41	0.0	0.0	7.22
NW	0.07	0.61	1.43	1.57	4.09	0.61	0.0	0.0	8.38
NNW	0.07	0.68	1.02	1.23	1.77	0.61	0.07	0.0	5.45
SUBTOTAL	0.76	9.60	21.04	18.67	35.49	11.31	2.05	1.09	100.01
CALM =	0.0								

1468 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 98.66 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.21
NNE	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.14
NE	0.0	0.0	0.07	0.0	0.07	0.35	0.0	0.0	0.49
ENE	0.0	0.0	0.0	0.07	0.14	0.14	0.0	0.0	0.35
E	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.28
ESE	0.0	0.0	0.07	0.0	0.14	0.0	0.0	0.0	0.21
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.14	0.07	0.70	0.77	0.0	0.0	1.68

CALC = 0.0

24 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

24 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 24 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	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		
N	0.0	0.0	0.0	0.14	0.42	0.28	0.0	0.0	0.0	0.84
NNE	0.0	0.07	0.07	0.0	0.56	0.63	0.0	0.0	0.0	1.33
NE	0.0	0.0	0.0	0.0	0.56	0.49	0.07	0.0	0.0	1.12
ENE	0.0	0.0	0.07	0.28	0.42	0.14	0.0	0.0	0.0	0.91
E	0.0	0.0	0.14	0.28	0.28	0.07	0.0	0.0	0.0	0.77
ESE	0.0	0.0	0.21	0.21	0.49	0.28	0.0	0.0	0.0	1.19
SE	0.0	0.14	0.21	0.35	0.14	0.0	0.0	0.0	0.0	0.84
SSE	0.14	0.14	0.42	0.14	0.14	0.0	0.0	0.0	0.0	0.98
S	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.35
SSW	0.0	0.0	0.0	0.07	0.07	0.56	0.0	0.0	0.0	0.70
SW	0.0	0.0	0.0	0.0	0.21	0.14	0.0	0.0	0.0	0.35
WSW	0.07	0.14	0.07	0.0	0.07	0.0	0.0	0.0	0.0	0.35
W	0.07	0.21	0.21	0.0	0.07	0.0	0.0	0.0	0.0	0.56
WNW	0.0	0.07	0.07	0.14	0.14	0.0	0.0	0.0	0.0	0.42
NW	0.07	0.21	0.35	0.28	0.42	0.0	0.0	0.0	0.0	1.33
NNW	0.0	0.28	0.07	0.21	0.42	0.07	0.0	0.0	0.0	1.05
SUBTOTAL	0.35	1.26	2.24	2.10	4.41	2.66	0.07	0.0	0.0	13.09
CALM *	0.0									

187 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

187 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 187 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JULY (74,75)								TOTAL
	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	
N	0.0	0.07	0.21	0.49	0.56	0.35	0.21	0.0	1.89
NNE	0.0	0.0	0.14	0.21	0.35	0.35	0.07	0.0	1.12
NE	0.0	0.21	0.35	0.14	0.49	0.07	0.07	0.0	1.33
ENE	0.0	0.07	0.14	0.07	0.77	0.35	0.07	0.0	1.47
E	0.0	0.14	0.21	0.07	0.49	0.42	0.0	0.0	1.33
ESE	0.0	0.07	0.07	0.14	0.21	0.63	0.91	0.07	2.10
SE	0.0	0.14	0.49	0.35	1.19	0.63	0.21	0.70	3.71
SSE	0.14	0.49	0.49	0.63	1.39	0.49	0.0	0.0	3.63
S	0.0	0.21	0.56	0.98	0.70	0.14	0.0	0.0	2.59
SSW	0.07	0.21	1.05	0.70	0.70	0.07	0.0	0.0	2.80
SW	0.0	0.42	0.14	0.42	0.91	0.14	0.0	0.0	2.03
WSW	0.0	0.21	0.63	0.49	0.49	0.07	0.0	0.0	1.89
W	0.07	0.14	0.77	0.56	1.12	0.14	0.0	0.0	2.80
WNW	0.0	0.07	0.56	0.84	1.32	0.0	0.0	0.0	2.79
NW	0.0	0.21	0.49	0.21	1.19	0.14	0.0	0.0	2.24
NNW	0.07	0.28	0.28	0.56	0.42	0.21	0.0	0.0	1.82
SUBTOTAL	0.35	2.94	6.58	6.86	12.30	4.20	1.54	0.77	35.54

CALC = 0.0

508 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

508 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 508 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100K

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JULY (74,75)							TOTAL	
	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	
N	0.0	0.0	0.28	0.28	0.56	0.0	0.0	0.0	1.12
NNE	0.0	0.21	0.84	0.35	0.14	0.28	0.0	0.0	1.82
NE	0.0	0.28	0.35	0.49	0.56	0.0	0.0	0.0	1.66
ENE	0.0	0.0	0.21	0.07	0.14	0.07	0.0	0.0	0.49
E	0.0	0.21	0.21	0.07	0.35	0.0	0.0	0.0	0.84
ESE	0.07	0.14	0.14	0.14	0.56	0.14	0.14	0.0	1.33
SE	0.0	0.49	0.98	0.70	1.46	0.28	0.07	0.35	4.33
SSE	0.0	1.32	0.98	0.77	1.26	0.56	0.0	0.0	4.89
S	0.0	0.56	0.28	0.49	1.12	0.21	0.0	0.0	2.66
SSW	0.0	0.28	0.56	0.35	0.77	0.07	0.0	0.0	2.03
SW	0.0	0.70	1.39	0.63	1.26	0.21	0.0	0.0	4.19
WSW	0.0	0.21	1.60	0.70	1.26	0.0	0.0	0.0	3.77
W	0.0	0.14	0.98	1.19	1.39	0.21	0.0	0.0	3.91
WNW	0.0	0.07	0.63	1.12	1.81	0.35	0.0	0.0	3.98
NW	0.0	0.21	0.63	0.91	2.30	0.49	0.0	0.0	4.54
NNW	0.0	0.14	0.63	0.49	0.98	0.35	0.07	0.0	2.66
SUBTOTAL	0.07	4.96	10.69	8.75	15.92	3.22	0.28	0.35	44.24
CALM =	0.0								

637 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

633 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 637 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.21
NNE	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
NE	0.0	0.0	0.14	0.0	0.14	0.0	0.0	0.0	0.28
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.07	0.0	0.07	0.07	0.0	0.0	0.0	0.21
SE	0.0	0.07	0.14	0.0	0.42	0.14	0.0	0.0	0.77
SSE	0.0	0.07	0.21	0.0	0.0	0.0	0.0	0.0	0.28
S	0.0	0.07	0.14	0.0	0.14	0.0	0.0	0.0	0.35
SSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SW	0.0	0.07	0.21	0.07	0.14	0.0	0.0	0.0	0.49
WSW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
WNW	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
NW	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.21
NNW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SUBTOTAL	0.0	0.35	0.98	0.35	1.54	0.21	0.0	0.0	3.43

CALC = 0.0

50 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

49 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 50 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.21
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.21	0.21	0.21	0.0	0.07	0.0	0.70
SSF	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
S	0.0	0.07	0.0	0.0	0.07	0.0	0.0	0.0	0.14
SSW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SW	0.0	0.0	0.14	0.0	0.07	0.0	0.0	0.0	0.21
WSW	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.14	0.42	0.35	0.56	0.07	0.07	0.0	1.61
CALM =	0.0								

23 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

23 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 23 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED(MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
WSW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.21
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.07	0.14	0.28	0.21	0.0	0.0	0.0	0.70

CALM = 0.0

10 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1439 VALID TEMPERATURE DIFFERENCE READINGS

10 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 10 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.29	0.22	0.73	1.17	2.70	0.44	0.0	5.55
NNE	0.0	0.22	0.22	0.80	2.84	2.26	1.02	0.07	7.43
NE	0.0	0.22	0.44	0.44	1.46	1.60	0.51	0.0	4.67
ENE	0.0	0.07	0.22	0.66	0.73	0.73	0.22	0.0	2.63
E	0.0	0.0	0.51	0.29	0.73	0.0	0.0	0.0	1.53
ESE	0.0	0.15	0.44	0.51	0.36	1.75	0.36	0.07	3.64
SE	0.07	0.44	0.88	0.66	2.55	3.57	2.63	0.0	10.80
SSE	0.0	0.66	1.02	0.66	2.04	2.04	1.97	0.07	8.46
S	0.0	0.29	1.02	1.75	2.70	2.41	1.17	0.22	9.56
SSW	0.0	0.22	0.88	0.44	2.12	1.46	0.58	0.15	5.85
SW	0.07	0.44	0.51	0.73	2.41	4.23	0.51	0.07	8.97
WSW	0.0	0.29	1.24	0.80	2.26	1.90	0.58	0.07	7.14
W	0.0	0.36	0.80	1.17	2.92	1.53	0.22	0.07	7.07
WNW	0.0	0.07	0.44	1.31	1.53	1.09	0.15	0.0	4.59
NW	0.0	0.29	0.73	1.90	2.92	1.53	0.22	0.0	7.59
NNW	0.0	0.29	0.36	0.95	1.90	1.02	0.0	0.0	4.52
SUBTOTAL	0.14	4.30	9.93	13.80	30.64	29.82	10.58	0.79	100.00
CALM =	0.0								

1371 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 95.21 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JUNE (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.30	0.07	0.0	0.37
NE	0.0	0.0	0.0	0.0	0.07	0.22	0.30	0.0	0.59
ENE	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
E	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.0	0.14
ESE	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.15
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.22
NW	0.0	0.0	0.0	0.07	0.15	0.0	0.0	0.0	0.22
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.07	0.07	0.51	0.43	0.52	0.37	0.0	1.97
CALC =	0.0								

27 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1355 VALID TEMPERATURE DIFFERENCE READINGS

27 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 27 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M.

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	FEBRUARY (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.18
NNE	0.0	0.0	0.0	0.09	0.27	0.09	0.0	0.09	0.54
NE	0.0	0.0	0.0	0.0	0.0	0.09	0.09	0.0	0.18
ENE	0.0	0.0	0.0	0.0	0.09	0.09	0.0	0.0	0.18
E	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.09
ESE	0.0	0.09	0.0	0.0	0.0	0.18	0.0	0.0	0.27
SE	0.0	0.0	0.0	0.09	0.62	0.45	0.09	0.0	1.25
SSE	0.0	0.0	0.0	0.09	0.36	0.62	0.0	0.0	1.07
S	0.0	0.0	0.0	0.09	0.98	0.09	0.09	0.0	1.25
SSW	0.0	0.0	0.09	0.09	0.27	0.18	0.0	0.0	0.63
SW	0.0	0.0	0.0	0.09	0.09	0.09	0.71	0.09	1.07
WSW	0.0	0.0	0.0	0.0	0.18	0.09	0.09	0.09	0.45
W	0.0	0.0	0.09	0.0	0.09	0.0	0.0	0.0	0.18
WNW	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.09
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.18	0.0	0.09	0.0	0.0	0.0	0.27
SUBTOTAL	0.0	0.09	0.36	0.63	3.04	2.24	1.07	0.27	7.70
CALC =	.0.0								

88 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1167 VALID TEMPERATURE DIFFERENCE READINGS

66 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 88 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.09	0.18	0.18	1.16	0.89	0.0	0.0	2.50
NNE	0.0	0.0	0.09	0.27	0.62	1.07	0.0	0.0	2.05
NE	0.0	0.0	0.18	0.54	0.54	0.98	0.0	0.0	2.24
ENE	0.0	0.0	0.09	0.54	0.62	0.62	0.18	0.0	2.05
E	0.0	0.0	0.09	0.27	0.71	0.18	0.09	0.0	1.34
ESE	0.0	0.0	0.0	0.09	0.54	0.36	0.36	0.09	1.44
SE	0.0	0.0	0.09	0.54	0.80	1.34	0.98	2.05	5.80
SSE	0.0	0.0	0.18	0.36	1.70	1.61	0.54	0.80	5.19
S	0.0	0.09	0.18	0.45	1.52	3.13	0.54	0.98	6.89
SSW	0.0	0.0	0.36	0.54	1.61	3.21	2.68	0.18	8.58
SW	0.09	0.0	0.18	0.36	0.54	0.80	0.71	0.54	3.22
WSW	0.0	0.09	0.27	0.18	0.27	0.71	0.36	0.09	1.97
W	0.0	0.0	0.09	0.0	0.36	0.54	0.18	0.0	1.17
WSW	0.0	0.09	0.0	0.36	0.45	0.54	0.0	0.0	1.44
NW	0.0	0.0	0.18	0.36	0.80	1.16	0.18	0.0	2.68
NNW	0.0	0.09	0.09	0.09	0.18	0.80	0.0	0.0	1.25
SUBTOTAL	0.09	0.45	2.25	5.13	12.42	17.94	6.80	4.73	49.81

CALM = 0.0

561 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1167 VALID TEMPERATURE DIFFERENCE READINGS

557 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 561 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
 -1.9 < DELTA-T < -1.7 DEG. C/100Y...

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6-14	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	
N	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.09
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09
SSW	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
W	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.09
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.09
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.27	0.18	0.09	0.18	0.0	0.0	0.0	0.72
CALM =	0.0								

* STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1167 VALID TEMPERATURE DIFFERENCE READINGS

* VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 8 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

* METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
ESE	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.09
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
SSW	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.18
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.45	0.09	0.0	0.0	0.0	0.0	0.54
CALM =	0.0								

6 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1167 VALID TEMPERATURE DIFFERENCE READINGS.

6 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 6 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.29	0.14	0.43	1.01	2.37	0.94	0.0	5.18
NNE	0.07	0.29	0.29	0.29	1.80	2.66	0.22	0.0	5.62
NE	0.0	0.29	0.36	0.58	1.73	2.01	0.29	0.0	5.26
ENE	0.07	0.14	0.43	0.22	1.08	0.65	0.14	0.0	2.73
E	0.0	0.36	0.86	0.22	0.50	0.22	0.0	0.0	2.16
ESE	0.07	0.14	0.29	0.43	1.94	1.51	0.07	0.0	4.45
SE	0.07	0.22	0.36	0.50	1.87	2.52	1.22	0.29	7.05
SSE	0.22	0.07	0.43	0.79	2.81	4.46	3.60	1.65	14.03
S	0.0	0.14	0.07	0.86	2.86	3.09	1.65	1.51	10.20
SSW	0.0	0.29	0.58	0.43	3.02	4.32	1.73	0.65	11.02
SW	0.0	0.22	0.43	0.58	2.09	3.02	0.72	0.29	7.35
WSW	0.0	0.29	0.22	0.65	1.44	1.15	0.36	0.43	4.54
W	0.0	0.0	0.22	0.36	1.37	1.37	0.58	0.72	4.62
WNW	0.0	0.14	0.36	0.50	0.50	1.08	0.43	0.07	3.06
NW	0.0	0.22	0.29	0.86	2.59	1.44	0.07	0.0	5.47
NNW	0.0	0.14	0.36	0.36	1.94	3.17	1.01	0.29	7.27
SUBTOTAL	0.50	3.24	5.69	8.06	28.57	35.04	13.03	5.90	100.03

CALM = 0.0

1390 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 93.41 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

100% PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
E	0.0	0.08	0.0	0.0	0.08	0.08	0.0	0.0	0.24
ESE	0.08	0.0	0.0	0.0	0.16	0.08	0.0	0.0	0.32
SE	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
SSE	0.08	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.31
S	0.0	0.0	0.0	0.0	0.31	0.47	0.0	0.0	0.78
SSW	0.0	0.08	0.0	0.0	0.08	0.16	0.0	0.0	0.32
SW	0.0	0.0	0.0	0.08	0.31	0.08	0.0	0.0	0.47
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.16	0.16	0.0	0.08	1.33	0.87	0.0	0.0	2.60

CALM = 0.0

34 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1289 VALID TEMPERATURE DIFFERENCE READINGS

33 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 34 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALX TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	JANUARY (74,75)								TOTAL
	WIND SPEED (MPH)								
	0.1-1.4	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	
N	0.0	0.08	0.0	0.03	0.0	0.0	0.0	0.0	0.16
NE	0.0	0.03	0.0	0.0	0.08	0.0	0.0	0.0	0.11
E	0.0	0.0	0.08	0.0	0.08	0.08	0.0	0.0	0.47
ESE	0.0	0.0	0.0	0.08	0.39	0.23	0.08	0.0	0.79
SE	0.0	0.08	0.16	0.08	0.39	0.08	0.0	0.0	0.79
SSE	0.08	0.0	0.0	0.16	0.39	0.16	0.0	0.0	0.79
S	0.0	0.16	0.0	0.47	0.70	0.08	0.0	0.0	1.41
SSW	0.0	0.08	0.08	0.0	0.47	0.47	0.0	0.0	1.10
SW	0.0	0.23	0.08	0.08	0.39	1.25	0.08	0.0	2.11
WSW	0.0	0.08	0.0	0.08	0.31	0.0	0.0	0.0	0.47
W	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
WNW	0.0	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.16
NW	0.0	0.0	0.0	0.08	0.16	0.0	0.0	0.0	0.24
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.08	0.79	0.56	1.43	3.82	2.59	0.16	0.0	9.43

CALC = 0.0

120 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1289 VALID TEMPERATURE DIFFERENCE READINGS

120 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 120 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.08	0.0	0.23	0.62	0.62	0.0	1.55
NNE	0.0	0.08	0.08	0.0	0.62	1.48	0.08	0.0	2.34
NE	0.0	0.08	0.16	0.08	0.78	1.64	0.31	0.0	3.05
ENE	0.0	0.08	0.23	0.08	0.39	0.47	0.16	0.0	1.41
E	0.0	0.23	0.31	0.0	0.23	0.0	0.0	0.0	0.77
ESE	0.0	0.08	0.16	0.23	1.33	1.09	0.0	0.0	2.84
SE	0.0	0.08	0.08	0.39	1.17	1.80	1.09	0.31	4.92
SSE	0.0	0.08	0.39	0.47	2.19	3.91	3.20	1.33	11.57
S	0.0	0.0	0.08	0.39	1.72	2.58	1.56	1.25	7.58
SSW	0.0	0.16	0.23	0.39	2.58	3.59	1.48	0.70	9.13
SW	0.0	0.0	0.31	0.23	1.17	1.56	0.55	0.31	4.13
WSW	0.0	0.0	0.16	0.55	1.02	0.31	0.16	0.31	2.51
W	0.0	0.0	0.08	0.23	0.78	0.62	0.39	0.70	2.86
WNW	0.0	0.08	0.16	0.39	0.39	0.70	0.31	0.08	2.11
NW	0.0	0.0	0.08	0.31	0.94	0.47	0.0	0.0	1.70
NNW	0.0	0.08	0.23	0.23	0.78	0.86	0.16	0.08	2.47
SUBTOTAL	0.0	1.03	2.82	3.97	16.32	21.70	10.07	5.67	60.98

CALC = 0.0

787 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1289 VALID TEMPERATURE DIFFERENCE READINGS

781 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 787 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS D
-1.5 < DELTA-T <= 0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

JANUARY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.08	0.08	0.31	0.47	1.41	0.39	0.0	2.74
NNE	0.0	0.0	0.23	0.31	1.25	0.86	0.16	0.0	2.81
NE	0.0	0.0	0.16	0.16	0.47	0.08	0.0	0.0	0.87
ENE	0.0	0.08	0.0	0.08	0.23	0.08	0.0	0.0	0.47
E	0.0	0.08	0.16	0.16	0.0	0.08	0.0	0.0	0.47
ESE	0.0	0.08	0.08	0.08	0.23	0.23	0.0	0.0	0.70
SE	0.0	0.0	0.08	0.08	0.39	0.70	0.23	0.0	1.47
SSE	0.0	0.0	0.0	0.16	0.16	0.78	0.70	0.47	2.27
S	0.0	0.0	0.0	0.08	0.39	0.23	0.23	0.31	1.24
SSH	0.0	0.0	0.31	0.08	0.16	0.47	0.39	0.0	1.41
SW	0.0	0.0	0.08	0.23	0.39	0.39	0.16	0.0	1.24
WSW	0.0	0.16	0.0	0.08	0.16	0.94	0.23	0.16	1.73
W	0.0	0.0	0.0	0.08	0.23	0.31	0.23	0.08	0.93
WNW	0.0	0.08	0.08	0.08	0.0	0.31	0.16	0.0	0.71
NW	0.0	0.08	0.23	0.47	1.41	1.02	0.08	0.0	3.21
NNW	0.0	0.08	0.0	0.16	1.17	1.80	0.94	0.23	4.38
SUBTOTAL	0.0	0.72	1.49	2.60	7.11	9.69	3.90	1.25	26.76

CALC = 0.0

344 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1289 VALID TEMPERATURE DIFFERENCE READINGS

342 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 344 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6-14	15-34	35-54	55-74	75-124	125-184	185-244	>245	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.08
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.08

CALC = 0.0

1 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1289 VALID TEMPERATURE DIFFERENCE READINGS

1 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALC =	0.0								

0 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1289 VALID TEMPERATURE DIFFERENCE READINGS

0 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 0 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A

DELTA T <= 1.9 DEG C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JANUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
NE	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WRW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.24

CALC = 0.0

3 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1289 VALID TEMPERATURE DIFFERENCE READINGS

3 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 3 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND



JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	0.01	0.01	0.02	0.02	0.05	0.03	0.0	0.0	0.14
NNE	0.0	0.02	0.01	0.02	0.08	0.17	0.05	0.02	0.37
NE	0.0	0.02	0.02	0.02	0.09	0.20	0.07	0.01	0.43
NNE	0.01	0.02	0.02	0.04	0.10	0.07	0.04	0.0	0.30
E	0.0	0.03	0.04	0.03	0.05	0.02	0.0	0.0	0.17
ESE	0.01	0.04	0.07	0.07	0.11	0.01	0.0	0.0	0.31
SE	0.01	0.06	0.07	0.07	0.13	0.04	0.01	0.0	0.39
SSE	0.01	0.04	0.03	0.02	0.17	0.03	0.02	0.0	0.32
S	0.02	0.03	0.03	0.05	0.10	0.18	0.04	0.01	0.46
SSW	0.0	0.02	0.04	0.02	0.07	0.17	0.02	0.01	0.35
SW	0.01	0.03	0.04	0.04	0.07	0.02	0.01	0.01	0.20
WSW	0.0	0.03	0.03	0.01	0.04	0.01	0.0	0.0	0.12
W	0.01	0.01	0.04	0.02	0.02	0.0	0.0	0.0	0.10
WNW	0.01	0.01	0.02	0.03	0.01	0.01	0.0	0.0	0.09
W	0.0	0.02	0.02	0.01	0.07	0.0	0.0	0.0	0.12
NNW	0.01	0.02	0.07	0.0	0.06	0.03	0.0	0.0	0.19
SUSTOTAL	0.11	0.41	0.54	0.47	1.22	0.99	0.26	0.06	4.06

CALM = 0.03

674 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

673 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 674 STABILITY CLASS G OCCURRENCES

ALL COLUMNS ADD CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND



Table 5-4

Joint Frequency Distributions
Wind Direction and Wind Speed
by Stability Class - Monthly and Annual
Browns Ferry Nuclear Plant - 1974-1975

Temperature Instruments 150 and 300 feet above ground
Wind Instruments at 300 feet above ground

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
 1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	0.01	0.08	0.04	0.05	0.13	0.20	0.09	0.0	0.60
NNE	0.01	0.04	0.06	0.04	0.28	0.34	0.17	0.02	0.96
NE	0.0	0.02	0.07	0.07	0.18	0.49	0.15	0.01	0.99
ENE	0.01	0.02	0.04	0.12	0.27	0.26	0.05	0.0	0.77
E	0.01	0.05	0.10	0.09	0.25	0.10	0.01	0.0	0.61
ESE	0.01	0.04	0.10	0.09	0.31	0.24	0.02	0.0	0.81
SE	0.02	0.12	0.10	0.23	0.78	0.51	0.10	0.03	1.98
SSE	0.03	0.08	0.13	0.21	0.51	0.48	0.32	0.13	1.89
S	0.01	0.04	0.11	0.13	0.42	0.69	0.21	0.16	1.77
SSW	0.02	0.09	0.05	0.08	0.36	0.84	0.18	0.04	1.66
SW	0.0	0.06	0.09	0.05	0.29	0.42	0.09	0.04	1.04
WSW	0.01	0.07	0.07	0.09	0.16	0.09	0.01	0.0	0.50
W	0.01	0.06	0.07	0.06	0.10	0.02	0.01	0.0	0.33
WNW	0.01	0.03	0.05	0.10	0.04	0.04	0.0	0.0	0.27
NW	0.01	0.08	0.10	0.12	0.13	0.05	0.01	0.0	0.50
NNW	0.0	0.07	0.05	0.10	0.16	0.12	0.02	0.0	0.52
SUBTOTAL	0.17	0.95	1.32	1.63	4.37	4.89	1.44	0.43	15.20

CALM = 0.06

2506 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

2500 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 2506 STABILITY CLASS F OCCURRENCES

ALL COLUMNS ADD CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT.
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

DIRTY PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

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

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN. 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.10	0.11	0.12	0.52	0.63	0.05	0.0	1.53
NNE	0.01	0.05	0.09	0.15	0.59	0.84	0.19	0.01	1.93
NE	0.0	0.04	0.12	0.12	0.63	0.74	0.25	0.01	1.91
ENE	0.01	0.06	0.15	0.15	0.45	0.43	0.08	0.0	1.33
E	0.0	0.05	0.20	0.18	0.45	0.19	0.02	0.0	1.09
ESE	0.01	0.11	0.10	0.18	0.67	0.70	0.14	0.02	1.93
SE	0.0	0.10	0.23	0.27	1.11	1.35	0.85	0.35	4.26
SSE	0.02	0.10	0.29	0.45	1.35	1.37	0.67	0.43	4.68
S	0.0	0.05	0.27	0.49	1.17	1.15	0.60	0.49	4.22
SSW	0.01	0.09	0.26	0.26	1.04	1.06	1.04	0.38	4.14
SW	0.01	0.12	0.09	0.30	0.72	0.78	0.38	0.13	2.53
WSW	0.0	0.06	0.24	0.22	0.56	0.34	0.09	0.07	1.58
W	0.01	0.06	0.20	0.16	0.45	0.25	0.10	0.05	1.28
WNW	0.01	0.05	0.13	0.34	0.43	0.23	0.07	0.02	1.26
W	0.02	0.07	0.12	0.16	0.48	0.34	0.16	0.02	1.37
NNW	0.01	0.07	0.13	0.19	0.36	0.47	0.04	0.0	1.27
SUBTOTAL	0.12	1.18	2.73	3.74	10.98	10.87	4.73	1.98	36.33

CALH = 0.02

5997 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

5952 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 5997 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.02	0.12	0.27	0.88	0.97	0.35	0.02	2.63
NNE	0.01	0.13	0.23	0.35	0.96	0.84	0.16	0.02	2.70
NE	0.01	0.05	0.17	0.25	0.72	0.27	0.03	0.01	1.51
ENE	0.01	0.04	0.10	0.13	0.34	0.09	0.01	0.0	0.72
E	0.0	0.09	0.13	0.19	0.25	0.04	0.01	0.0	0.71
ESE	0.01	0.13	0.23	0.20	0.48	0.16	0.12	0.02	1.35
SE	0.0	0.24	0.62	0.56	0.96	0.74	0.42	0.18	3.72
SSE	0.01	0.28	0.38	0.37	0.91	0.79	0.25	0.12	3.21
S	0.0	0.29	0.32	0.30	0.90	0.63	0.23	0.07	2.74
SSW	0.0	0.18	0.24	0.17	0.64	0.65	0.20	0.07	2.15
SW	0.01	0.24	0.38	0.24	0.57	0.57	0.18	0.02	2.21
WSW	0.0	0.18	0.49	0.32	0.43	0.38	0.18	0.16	2.14
W	0.0	0.12	0.41	0.45	0.70	0.56	0.32	0.24	2.80
WNW	0.0	0.08	0.23	0.42	0.87	0.60	0.32	0.21	2.73
NW	0.0	0.12	0.46	0.48	1.26	1.00	0.65	0.24	4.21
NNW	0.01	0.05	0.22	0.23	0.92	1.57	0.60	0.10	3.70
SUBTOTAL	0.07	2.34	4.73	4.93	11.79	9.86	4.03	1.48	39.23

CALC = 0.0

6518 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

6432 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 6518 STABILITY CLASS D OCCURRENCES

ALL CELLS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.74 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

STABILITY CLASS C OCCURRENCES BY WIND DIRECTION AND WIND SPEED
 ALL DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
 $-1.7 < \Delta T < -1.5$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.1-1.4	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	
N	0.0	0.0	0.01	0.0	0.06	0.06	0.03	0.01	0.17
NNE	0.0	0.0	0.0	0.0	0.10	0.09	0.03	0.0	0.22
NE	0.0	0.0	0.01	0.02	0.12	0.04	0.01	0.0	0.20
ENE	0.0	0.0	0.01	0.01	0.09	0.01	0.0	0.0	0.12
E	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01
ESE	0.0	0.01	0.01	0.01	0.04	0.01	0.01	0.0	0.09
SE	0.0	0.01	0.03	0.10	0.32	0.16	0.04	0.01	0.61
SSE	0.0	0.02	0.08	0.08	0.10	0.03	0.01	0.01	0.33
S	0.0	0.03	0.06	0.02	0.07	0.05	0.02	0.0	0.25
SSW	0.0	0.0	0.01	0.0	0.05	0.03	0.02	0.0	0.11
SW	0.0	0.01	0.04	0.02	0.07	0.07	0.02	0.01	0.24
WSW	0.0	0.0	0.02	0.01	0.02	0.06	0.01	0.0	0.12
W	0.0	0.0	0.01	0.01	0.05	0.02	0.01	0.0	0.10
WNW	0.0	0.0	0.0	0.01	0.05	0.03	0.02	0.01	0.12
NW	0.0	0.0	0.01	0.04	0.13	0.10	0.04	0.01	0.33
NNW	0.0	0.0	0.01	0.02	0.04	0.05	0.04	0.0	0.16
SUBTOTAL	0.0	0.08	0.31	0.35	1.32	0.75	0.31	0.06	3.16

CALM = 0.0

521 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

518 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 521 STABILITY CLASS C OCCURRENCES

ALL COLLINS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

STABILITY CLASS B OCCURRENCES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
 -1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	0.5-1.4	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	0.0	0.0	0.0	0.0	0.02	0.02	0.0	0.0	0.04
NNE	0.0	0.0	0.0	0.01	0.05	0.02	0.0	0.0	0.08
NE	0.0	0.0	0.0	0.01	0.04	0.05	0.0	0.0	0.10
ENE	0.0	0.0	0.0	0.01	0.01	0.01	0.0	0.0	0.03
E	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01
ESE	0.0	0.01	0.0	0.0	0.02	0.01	0.0	0.0	0.04
SE	0.0	0.01	0.02	0.08	0.22	0.04	0.01	0.0	0.38
SSE	0.0	0.0	0.02	0.05	0.03	0.0	0.0	0.0	0.10
S	0.0	0.01	0.01	0.0	0.01	0.02	0.01	0.0	0.06
SSW	0.0	0.0	0.01	0.01	0.0	0.02	0.0	0.01	0.05
SW	0.0	0.0	0.01	0.0	0.03	0.04	0.01	0.0	0.09
WSW	0.0	0.01	0.01	0.0	0.01	0.01	0.0	0.0	0.04
W	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.02
WNW	0.0	0.0	0.0	0.01	0.01	0.01	0.02	0.01	0.06
NW	0.0	0.0	0.01	0.01	0.01	0.02	0.01	0.01	0.07
NNW	0.0	0.0	0.0	0.0	0.01	0.0	0.03	0.0	0.04
SUBTOTAL	0.0	0.04	0.09	0.20	0.47	0.28	0.10	0.03	1.21

CALP = 0.0

187 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

186 VALID WIND DIRECTION AND WIND SPEED READINGS OUT OF TOTAL 187 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALP TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN. 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.02
NNE	0.0	0.0	0.0	0.01	0.03	0.04	0.01	0.0	0.09
NE	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.03
ENE	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.01	0.01	0.01	0.0	0.0	0.03
SE	0.0	0.0	0.03	0.04	0.10	0.02	0.01	0.0	0.20
SSE	0.0	0.0	0.02	0.01	0.04	0.02	0.0	0.01	0.10
S	0.0	0.0	0.0	0.03	0.03	0.02	0.0	0.01	0.09
SSW	0.0	0.0	0.01	0.0	0.01	0.01	0.0	0.0	0.03
SW	0.0	0.01	0.01	0.01	0.01	0.01	0.01	0.0	0.06
WSW	0.0	0.0	0.01	0.01	0.0	0.01	0.0	0.0	0.03
W	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01
WNW	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01
NW	0.0	0.0	0.0	0.01	0.01	0.01	0.0	0.0	0.03
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.01	0.09	0.14	0.28	0.16	0.04	0.02	0.74

CALF = 0.0

118 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 16521 VALID TEMPERATURE DIFFERENCE READINGS

117 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 118 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALF TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	DECEMBER (74,75)									TOTAL
	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		
N	0.0	0.14	0.34	0.34	3.82	2.04	0.68	0.0	7.36	
NNE	0.0	0.34	0.20	0.68	2.52	1.57	0.0	0.0	5.31	
NE	0.0	0.0	0.68	0.61	1.50	0.82	0.0	0.0	3.61	
ENE	0.0	0.14	0.14	0.48	0.61	0.34	0.07	0.0	1.78	
E	0.0	0.14	0.48	0.41	0.82	0.0	0.0	0.0	1.85	
ESE	0.0	0.07	0.27	0.41	1.64	0.68	0.61	0.07	3.75	
SE	0.07	0.20	0.34	0.55	2.52	3.00	4.09	0.75	11.52	
SSE	0.0	0.20	0.55	0.68	2.11	3.61	2.45	0.75	10.35	
S	0.0	0.14	0.27	0.41	2.73	3.20	2.18	0.48	9.41	
SSW	0.0	0.61	0.07	0.61	2.73	3.00	1.43	0.20	8.65	
SW	0.0	0.34	0.20	0.82	1.91	1.02	0.55	0.14	4.98	
WSW	0.0	0.14	0.48	0.82	1.57	0.61	0.0	0.34	3.96	
W	0.0	0.34	0.27	0.61	1.77	1.84	1.09	0.34	6.26	
WNW	0.0	0.07	0.55	0.75	1.77	1.64	0.89	0.34	6.01	
NW	0.14	0.34	0.82	0.68	2.16	1.98	1.43	0.34	7.91	
NNW	0.07	0.14	0.48	0.14	1.64	3.68	1.16	0.0	7.31	
SUBTOTAL	0.28	3.35	6.14	9.00	31.84	29.03	16.63	3.75	100.02	
CALM =	0.0									

1467 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 98.59 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	DECEMBER (74,75) WIND SPEED (MPH)							TOTAL	
	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
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.14
SE	0.0	0.0	0.0	0.07	0.14	0.0	0.07	0.0	0.28
SSE	0.0	0.0	0.0	0.07	0.07	0.07	0.21	0.0	0.42
S	0.0	0.0	0.0	0.07	0.0	0.21	0.07	0.0	0.35
SSW	0.0	0.0	0.0	0.0	0.34	0.14	0.0	0.0	0.48
SW	0.0	0.0	0.0	0.07	0.21	0.0	0.0	0.0	0.28
WSW	0.0	0.0	0.07	0.0	0.28	0.0	0.0	0.0	0.35
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.07	0.35	1.18	0.42	0.35	0.0	2.37

CALC = 0.0

34 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

34 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 34 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	DECEMBER (74,75)									TOTAL
	WIND SPEED (MPH)									
	0.5-1.4	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		
N	0.0	0.07	0.0	0.0	0.26	0.41	0.07	0.0	0.83	
NNE	0.0	0.0	0.0	0.07	0.34	0.28	0.0	0.0	0.69	
NE	0.0	0.0	0.21	0.14	0.07	0.28	0.0	0.0	0.70	
ENE	0.0	0.07	0.0	0.14	0.0	0.07	0.07	0.0	0.35	
E	0.0	0.07	0.14	0.0	0.21	0.0	0.0	0.0	0.42	
ESE	0.0	0.0	0.0	0.21	0.07	0.07	0.0	0.0	0.35	
SE	0.07	0.14	0.14	0.14	0.34	0.69	0.14	0.0	1.66	
SSE	0.0	0.0	0.07	0.0	0.26	0.21	1.58	0.0	2.14	
S	0.0	0.0	0.0	0.14	0.41	1.44	0.62	0.07	2.66	
SSW	0.0	0.0	0.0	0.0	0.62	1.17	0.34	0.0	2.13	
SW	0.0	0.0	0.0	0.07	0.76	0.34	0.14	0.0	1.31	
WSW	0.0	0.0	0.0	0.14	0.34	0.28	0.0	0.0	0.76	
W	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07	
WNW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07	
WW	0.0	0.14	0.0	0.07	0.0	0.0	0.0	0.0	0.21	
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SUBTOTAL	0.07	0.49	0.56	1.19	3.79	5.24	2.96	0.07	14.37	

CALM = 0.0

208 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

208 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 208 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

WIND DIRECTION	DECEMBER (74,75)								TOTAL
	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	
N	0.0	0.07	0.07	0.07	1.03	0.21	0.0	0.0	1.45
NNE	0.0	0.07	0.0	0.21	0.89	0.89	0.0	0.0	2.06
NE	0.0	0.0	0.0	0.14	0.28	0.48	0.0	0.0	0.90
ENE	0.0	0.07	0.07	0.14	0.41	0.28	0.0	0.0	0.97
E	0.0	0.07	0.28	0.21	0.55	0.0	0.0	0.0	1.11
ESE	0.0	0.07	0.0	0.14	0.83	0.48	0.14	0.07	1.73
SE	0.0	0.0	0.14	0.21	1.17	1.93	2.82	0.55	6.82
SSE	0.0	0.07	0.21	0.55	1.17	3.09	0.62	0.62	6.33
S	0.0	0.07	0.07	0.21	1.51	1.24	1.44	0.41	4.95
SSW	0.0	0.0	0.0	0.48	0.89	0.76	1.10	0.21	3.44
SW	0.0	0.14	0.07	0.55	0.34	0.41	0.41	0.07	1.99
WSW	0.0	0.0	0.28	0.48	0.76	0.28	0.0	0.0	1.80
W	0.0	0.07	0.07	0.21	0.83	0.48	0.0	0.0	1.66
WNW	0.0	0.0	0.07	0.41	0.62	0.34	0.0	0.0	1.44
NW	0.14	0.14	0.07	0.21	0.55	0.34	0.07	0.0	1.52
NNW	0.0	0.0	0.21	0.14	0.41	0.28	0.0	0.0	1.04
SUBTOTAL	0.14	0.84	1.61	4.36	12.24	11.49	6.60	1.93	39.21
CALM =	0.0								

570 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

569 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 570 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
 -1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	DECEMBER (74,75)								TOTAL
	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	
N	0.0	0.0	0.28	0.28	1.86	1.44	0.62	0.0	4.48
NNE	0.0	0.28	0.21	0.41	1.17	0.41	0.0	0.0	2.48
NE	0.0	0.0	0.48	0.34	1.17	0.07	0.0	0.0	2.06
ENE	0.0	0.0	0.07	0.21	0.21	0.0	0.0	0.0	0.49
E	0.0	0.0	0.07	0.14	0.07	0.0	0.0	0.0	0.28
ESE	0.0	0.0	0.28	0.07	0.62	0.14	0.48	0.0	1.59
SE	0.0	0.07	0.07	0.14	0.76	0.34	1.10	0.21	2.69
SSE	0.0	0.14	0.28	0.07	0.62	0.28	0.07	0.14	1.60
S	0.0	0.07	0.21	0.0	0.62	0.28	0.0	0.0	1.18
SSW	0.0	0.62	0.07	0.14	0.89	0.83	0.0	0.0	2.55
SW	0.0	0.21	0.14	0.14	0.41	0.07	0.0	0.07	1.04
WSW	0.0	0.14	0.14	0.21	0.21	0.07	0.0	0.34	1.11
W	0.0	0.28	0.21	0.41	0.83	1.38	1.10	0.34	4.55
WNW	0.0	0.07	0.48	0.28	1.17	1.31	0.89	0.34	4.54
NW	0.0	0.07	0.76	0.41	1.65	1.65	1.38	0.34	6.26
NNW	0.07	0.14	0.28	0.0	1.24	3.16	1.03	0.0	5.92
SUBTOTAL	0.07	2.09	4.03	3.25	13.50	11.43	6.67	1.78	42.82
CALH*	0.0								

622 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

621 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 622 STABILITY CLASS D OCCURRENCES

*ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	DECEMBER (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.14	0.07	0.0	0.0	0.21
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.21
SSW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.21	0.07	0.0	0.28
SUBTOTAL	0.0	0.0	0.0	0.0	0.49	0.42	0.07	0.0	0.98
CALM =	0.0								

14 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

14 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 14 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	DECEMBER (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SW	0.0	0.0	0.0	0.0	0.14	0.14	0.0	0.0	0.28
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.07
SUBTOTAL	0.0	0.0	0.0	0.0	0.14	0.21	0.14	0.0	0.49
CALC =	0.0								

7 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

7 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 7 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07

CALH = 0.0

* STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

* VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

* METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	NOVEMBER (74,75) WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.14	0.14	0.14	1.33	1.96	0.21	0.0	3.92
NNE	0.0	0.0	0.42	0.35	1.47	1.19	0.0	0.0	3.43
NE	0.0	0.07	0.35	0.28	0.70	1.47	0.14	0.0	3.01
ENE	0.0	0.07	0.49	0.42	1.05	0.77	0.14	0.0	2.94
E	0.0	0.14	0.42	0.63	1.19	0.07	0.0	0.0	2.45
ESE	0.0	0.21	1.05	1.26	2.09	1.19	0.21	0.0	6.01
SE	0.0	0.49	0.70	1.61	4.82	4.05	1.47	0.28	13.42
SSE	0.0	0.35	0.63	0.70	3.84	3.77	1.26	1.05	11.60
S	0.0	0.35	1.05	1.19	2.79	4.19	1.12	1.05	11.74
SSW	0.0	0.70	0.56	0.49	2.44	2.37	2.30	0.28	9.14
SW	0.0	0.70	0.56	0.28	1.40	1.40	0.49	0.0	4.83
WSW	0.0	0.14	0.49	0.42	0.70	0.63	0.28	0.07	2.73
W	0.0	0.42	0.14	0.07	0.84	0.84	0.84	0.14	3.29
WNW	0.0	0.28	0.42	0.28	0.70	2.16	1.12	0.14	5.10
NW	0.0	0.42	1.12	0.63	1.47	1.96	3.35	0.98	9.93
NNW	0.0	0.14	0.14	0.56	0.98	3.49	1.12	0.14	6.57
SUBTOTAL	0.0	4.62	8.68	9.31	27.81	31.51	14.05	4.13	100.11
CALM =	0.0								

1432 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 99.44 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)
WIND SPEED(MPH)

WIND DIRECTION	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	24.5-30.4	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NE	0.0	0.07	0.07	0.07	0.0	0.14	0.0	0.0	0.35
ENE	0.0	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.14
E	0.0	0.14	0.0	0.14	0.07	0.0	0.0	0.0	0.35
ESE	0.0	0.0	0.28	0.35	0.43	0.0	0.0	0.0	1.06
SE	0.0	0.07	0.0	0.21	0.78	0.14	0.0	0.0	1.20
SSE	0.0	0.0	0.0	0.0	0.85	0.14	0.0	0.0	0.99
S	0.0	0.07	0.0	0.0	0.0	0.71	0.0	0.0	0.78
SSW	0.0	0.14	0.14	0.14	0.07	0.07	0.0	0.0	0.56
SW	0.0	0.07	0.07	0.07	0.14	0.0	0.0	0.0	0.35
WSW	0.0	0.07	0.0	0.14	0.07	0.0	0.0	0.0	0.28
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.63	0.70	1.19	2.41	1.27	0.0	0.0	6.20

CALF = 0.0

*88 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

*69 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 88 STABILITY CLASS G OCCURRENCES

*ALL COLUMNS AND CALF TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
 1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	NOVEMBER (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.21	0.43	0.0	0.0	0.64
NNE	0.0	0.0	0.07	0.0	0.28	0.35	0.0	0.0	0.70
NE	0.0	0.0	0.0	0.07	0.0	0.43	0.0	0.0	0.50
ENE	0.0	0.0	0.0	0.07	0.43	0.28	0.0	0.0	0.78
E	0.0	0.0	0.0	0.14	0.50	0.0	0.0	0.0	0.64
ESE	0.0	0.0	0.0	0.14	0.64	0.64	0.0	0.0	1.42
SE	0.0	0.14	0.21	0.28	1.56	1.84	0.28	0.0	4.31
SSE	0.0	0.07	0.0	0.0	1.28	1.77	0.14	0.43	3.69
S	0.0	0.0	0.50	0.43	0.57	0.92	0.43	0.07	2.92
SSW	0.0	0.28	0.07	0.21	0.64	0.28	0.57	0.0	2.05
SW	0.0	0.28	0.07	0.0	0.21	0.0	0.0	0.0	0.56
WSW	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.14
W	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.07	0.21	0.0	0.0	0.0	0.0	0.0	0.28
NW	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
NNW	0.0	0.07	0.07	0.21	0.21	0.43	0.07	0.0	1.06
SUBTOTAL	0.0	1.05	1.27	1.62	6.60	7.37	1.49	0.50	19.90
CALC =	0.0								

281 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

281 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 281 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)
WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.14	0.14	0.07	0.21	0.21	0.0	0.0	0.77
NNE	0.0	0.0	0.07	0.14	0.28	0.57	0.0	0.0	1.06
NE	0.0	0.0	0.14	0.07	0.43	0.85	0.14	0.0	1.63
ENE	0.0	0.0	0.21	0.14	0.43	0.43	0.14	0.0	1.35
E	0.0	0.0	0.28	0.14	0.50	0.07	0.0	0.0	0.99
ESE	0.0	0.07	0.14	0.28	0.35	0.28	0.14	0.0	1.26
SE	0.0	0.14	0.21	0.50	0.64	1.63	0.85	0.14	4.11
SSE	0.0	0.21	0.28	0.50	1.13	1.28	0.64	0.57	4.61
S	0.0	0.0	0.35	0.50	1.63	1.98	0.71	0.92	6.09
SSW	0.0	0.14	0.14	0.07	1.42	0.99	1.13	0.14	4.03
SW	0.0	0.07	0.0	0.14	0.71	0.57	0.14	0.0	1.63
WSW	0.0	0.0	0.21	0.07	0.07	0.0	0.14	0.07	0.56
W	0.0	0.14	0.14	0.0	0.0	0.07	0.0	0.0	0.35
WNW	0.0	0.0	0.0	0.07	0.07	0.85	0.21	0.0	1.20
NW	0.0	0.14	0.14	0.07	0.21	0.78	1.13	0.0	2.47
NNW	0.0	0.07	0.0	0.07	0.0	0.50	0.0	0.0	0.64
SUBTOTAL	0.0	1.12	2.45	2.83	8.08	11.06	5.37	1.84	32.75

CALC = 0.0

465 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

463 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 465 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33' AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS D
-1.5 < DELTA-T < -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	NOVEMBER (74,75) WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.07	0.92	1.20	0.21	0.0	2.40
NNE	0.0	0.0	0.21	0.21	0.78	0.28	0.0	0.0	1.48
NE	0.0	0.0	0.14	0.07	0.28	0.07	0.0	0.0	0.56
ENE	0.0	0.07	0.21	0.14	0.14	0.0	0.0	0.0	0.56
E	0.0	0.0	0.14	0.21	0.14	0.0	0.0	0.0	0.49
ESE	0.0	0.14	0.50	0.50	0.50	0.28	0.07	0.0	1.99
SE	0.0	0.14	0.28	0.43	1.13	0.50	0.35	0.14	2.97
SSE	0.0	0.07	0.35	0.21	0.43	0.57	0.43	0.07	2.13
S	0.0	0.21	0.14	0.28	0.57	0.64	0.0	0.07	1.91
SSW	0.0	0.14	0.21	0.07	0.35	0.99	0.43	0.14	2.33
SW	0.0	0.28	0.43	0.07	0.35	0.64	0.28	0.0	2.05
WSW	0.0	0.0	0.21	0.21	0.50	0.57	0.14	0.0	1.63
W	0.0	0.21	0.0	0.07	0.85	0.78	0.85	0.14	2.90
WNW	0.0	0.21	0.21	0.21	0.57	1.35	0.92	0.14	3.61
NW	0.0	0.28	0.92	0.43	0.78	0.99	2.13	0.92	6.45
NNW	0.0	0.0	0.07	0.21	0.71	2.48	1.06	0.14	4.67
SUBTOTAL	0.0	1.75	4.02	3.39	9.00	11.34	6.87	1.76	38.13

CALC = 0.0

541 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

539 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 541 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
 -1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

NOVEMBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-16.4	18.5-24.4	>=24.5	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.0	0.0	0.14	0.43	0.0	0.0	0.0	0.57
SSE	0.0	0.0	0.0	0.0	0.07	0.07	0.07	0.0	0.21
S	0.0	0.07	0.07	0.0	0.07	0.0	0.0	0.0	0.21
SSW	0.0	0.0	0.0	0.0	0.0	0.07	0.21	0.0	0.28
SW	0.0	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.14
WSW	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NW	0.0	0.0	0.0	0.0	0.07	0.0	0.14	0.07	0.28
NNW	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
SUBTOTAL	0.0	0.07	0.14	0.21	0.99	0.28	0.49	0.07	2.25

CALH = 0.0

32 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

32 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 32 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.21
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.28	0.07	0.0	0.0	0.35
CALC =	0.0								

*STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

*VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 5 STABILITY CLASS B OCCURRENCES

ALL COLCHNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	NOVEMBER (74,75) WIND SPEED(MPH)						TOTAL		
	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
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.14	0.07	0.0	0.0	0.21

*CALC = 0.0

3 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

3 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 3 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BRUNNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	OCTOBER (74,75) WIND SPEED(MPH)								TOTAL
	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	
N	0.14	0.41	0.27	0.41	1.50	2.11	0.54	0.0	5.36
NNE	0.20	0.41	0.54	0.68	1.77	4.77	1.91	0.27	10.55
NE	0.0	0.14	0.27	0.54	1.36	2.25	0.95	0.20	5.71
ENE	0.0	0.41	0.68	0.61	1.57	0.68	0.82	0.07	4.84
E	0.0	0.27	0.82	0.82	0.82	0.27	0.07	0.0	3.07
ESE	0.07	1.23	1.43	0.61	1.84	1.29	0.0	0.0	6.47
SE	0.07	1.23	1.77	1.16	4.77	3.41	1.02	0.07	13.50
SSE	0.20	1.02	1.02	1.91	4.16	4.36	0.68	0.07	13.42
S	0.14	0.54	0.75	0.95	3.00	1.98	0.54	0.0	7.90
SSH	0.0	0.68	0.27	0.61	1.23	1.77	0.07	0.0	4.63
SH	0.14	0.54	0.82	0.89	0.95	0.75	0.0	0.0	4.09
WSW	0.07	0.75	0.75	0.75	0.34	0.27	0.0	0.0	2.93
W	0.0	0.27	0.95	0.69	1.02	0.07	0.0	0.0	3.20
WNN	0.14	0.41	0.68	0.95	1.29	0.20	0.14	0.0	3.81
NW	0.0	0.82	0.48	0.95	1.43	0.48	0.48	0.27	4.91
NNW	0.0	0.41	0.68	0.48	1.77	1.91	0.27	0.0	5.52
SUBTOTAL	1.17	9.54	12.18	13.21	28.82	26.57	7.49	0.95	99.93
CALM =	0.07								

1468 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1468 TOTAL HOURS = 98.66 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BRUNNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.15	0.0	0.15	0.08	0.23	0.0	0.0	0.0	0.61
NNE	0.0	0.23	0.0	0.08	0.68	0.68	0.30	0.23	2.20
NE	0.0	0.08	0.08	0.08	0.53	0.15	0.0	0.08	1.00
ENE	0.0	0.23	0.0	0.15	0.61	0.08	0.0	0.0	1.07
E	0.0	0.08	0.15	0.15	0.0	0.08	0.0	0.0	0.46
ESE	0.0	0.38	0.30	0.0	0.0	0.15	0.0	0.0	0.83
SE	0.0	0.53	0.46	0.30	0.23	0.23	0.0	0.0	1.75
SSE	0.0	0.38	0.15	0.08	0.46	0.15	0.0	0.0	1.22
S	0.15	0.15	0.15	0.23	0.36	0.30	0.08	0.0	1.44
SSW	0.0	0.08	0.0	0.15	0.15	0.30	0.08	0.0	0.76
SW	0.15	0.15	0.0	0.08	0.08	0.0	0.0	0.0	0.46
WSW	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
W	0.0	0.08	0.15	0.08	0.23	0.0	0.0	0.0	0.54
WNW	0.15	0.0	0.23	0.08	0.08	0.0	0.0	0.0	0.54
NW	0.0	0.30	0.0	0.0	0.38	0.0	0.0	0.0	0.68
NNW	0.0	0.15	0.30	0.0	0.38	0.15	0.0	0.0	0.98
SUBTOTAL	0.60	2.90	2.12	1.54	4.42	2.27	0.46	0.31	14.62

CALM = 0.08

193 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1319 VALID TEMPERATURE DIFFERENCE READINGS

193 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 193 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 33 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.08	0.08	0.0	0.08	0.08	0.0	0.0	0.32
NNE	0.0	0.0	0.0	0.0	0.0	0.46	0.38	0.08	0.92
NE	0.0	0.08	0.0	0.0	0.15	0.54	0.15	0.0	0.92
ENE	0.0	0.0	0.0	0.08	0.15	0.15	0.08	0.0	0.46
E	0.0	0.0	0.08	0.0	0.38	0.0	0.0	0.0	0.46
ESE	0.0	0.0	0.08	0.15	0.0	0.38	0.15	0.0	0.76
SE	0.0	0.0	0.0	0.08	0.15	0.23	0.0	0.0	0.46
SSE	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.23
S	0.0	0.0	0.0	0.08	0.15	0.08	0.08	0.0	0.39
SSW	0.0	0.0	0.0	0.0	0.0	0.15	0.08	0.0	0.23
SW	0.0	0.0	0.0	0.15	0.23	1.61	0.08	0.0	2.07
WSW	0.0	0.0	0.0	0.38	0.08	0.38	0.0	0.0	0.84
W	0.0	0.0	0.08	0.08	0.31	0.08	0.0	0.0	0.55
WNW	0.0	0.0	0.15	0.15	0.0	0.08	0.0	0.0	0.38
NW	0.0	0.08	0.15	0.15	0.0	0.0	0.0	0.0	0.38
NNW	0.0	0.08	0.08	0.15	0.15	0.08	0.0	0.0	0.54
SUBTOTAL	0.0	0.32	0.70	1.45	2.06	4.30	1.00	0.08	9.91

CALM = 0.0

129 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1324 VALID TEMPERATURE DIFFERENCE READINGS

129 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 129 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-5=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	
N	0.0	0.15	0.15	0.23	0.23	1.30	0.08	0.0	2.14
NNE	0.0	0.08	0.15	0.15	1.15	0.69	0.08	0.0	2.30
NE	0.0	0.15	0.31	0.23	0.69	0.84	0.0	0.0	2.22
ENE	0.0	0.03	0.08	0.38	0.23	0.46	0.15	0.0	1.38
E	0.0	0.0	0.31	0.23	0.38	0.0	0.0	0.0	0.92
ESE	0.0	0.0	0.38	0.08	0.23	1.15	0.08	0.08	2.00
SE	0.08	0.15	0.31	0.31	1.45	1.99	0.31	0.0	4.40
SSE	0.0	0.15	0.46	0.38	0.84	0.69	0.54	0.08	3.14
S	0.0	0.08	0.54	0.99	1.22	1.30	0.38	0.15	4.66
SSW	0.0	0.15	0.46	0.38	1.53	0.76	0.15	0.15	3.58
SW	0.0	0.15	0.31	0.23	1.61	1.91	0.15	0.0	4.36
WSW	0.0	0.23	0.46	0.08	1.83	0.61	0.0	0.08	3.29
W	0.0	0.15	0.31	0.46	1.38	0.46	0.23	0.0	2.96
WNW	0.0	0.0	0.15	0.76	0.61	0.15	0.0	0.0	1.57
NW	0.0	0.08	0.23	0.76	0.92	0.31	0.0	0.0	2.30
NNW	0.0	0.08	0.0	0.23	0.64	0.08	0.0	0.0	1.23
SUBTOTAL	0.08	1.68	4.61	5.88	15.14	12.70	2.15	0.54	42.78

CALC = 0.0

567 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1324 VALID TEMPERATURE DIFFERENCE READINGS

559 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 567 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.55 DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.4-1.4	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	
N	0.0	0.0	0.0	0.38	0.69	1.30	0.38	0.0	2.75
NNE	0.0	0.15	0.08	0.69	1.76	0.84	0.23	0.0	3.75
NE	0.0	0.0	0.15	0.15	0.61	0.0	0.0	0.0	0.91
NNE	0.0	0.0	0.08	0.08	0.31	0.15	0.0	0.0	0.62
E	0.0	0.0	0.15	0.08	0.0	0.0	0.0	0.0	0.23
ENE	0.0	0.15	0.0	0.31	0.08	0.31	0.15	0.0	1.00
SE	0.0	0.23	0.54	0.31	0.69	1.53	2.45	0.0	5.74
SSE	0.0	0.38	0.46	0.15	0.84	1.45	1.53	0.0	4.51
S	0.0	0.15	0.46	0.61	1.38	1.07	0.76	0.08	4.51
SSW	0.0	0.0	0.38	0.08	0.69	0.61	0.38	0.0	2.14
SW	0.08	0.31	0.15	0.38	0.61	0.84	0.31	0.08	2.76
WSW	0.0	0.08	0.84	0.38	0.38	0.99	0.61	0.0	3.26
W	0.0	0.23	0.46	0.69	1.30	1.07	0.0	0.08	3.83
WNW	0.0	0.08	0.15	0.46	0.99	0.92	0.15	0.0	2.71
NW	0.0	0.0	0.38	0.99	1.68	1.30	0.23	0.0	4.58
NNW	0.0	0.08	0.31	0.23	0.84	0.92	0.0	0.0	2.38
SUBTOTAL	0.08	1.84	4.59	5.97	12.85	13.30	7.18	0.24	46.05
CALC =	0.0								

*610 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1324 VALID TEMPERATURE DIFFERENCE READINGS

602 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 610 STABILITY CLASS D OCCURRENCES

*ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES EAST OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T < -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.08	0.0	0.06	0.0	0.0	0.0	0.14
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.08	0.0	0.06	0.0	0.0	0.0	0.14

CALM = 0.0

2 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1324 VALID TEMPERATURE DIFFERENCE READINGS

2 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 2 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG. C/100K

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6=1.6	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08

CALH = 0.0

1 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1324 VALID TEMPERATURE DIFFERENCE READINGS

1 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4=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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALC = 0.0

0 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1324 VALID TEMPERATURE DIFFERENCE READINGS

0 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 0 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								
	0.5-1.4	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	0.0	0.14	0.42	0.35	1.60	1.46	0.21	0.07	4.25
NNE	0.0	0.14	0.35	0.56	2.85	1.67	0.42	0.07	6.01
NE	0.0	0.14	0.0	0.56	3.41	1.74	0.63	0.0	6.41
ENE	0.07	0.07	0.56	0.70	1.81	1.95	0.21	0.0	5.37
E	0.0	0.42	0.28	0.49	1.39	0.70	0.0	0.0	3.28
ESE	0.07	0.28	0.35	0.49	1.32	1.04	0.0	0.0	3.51
SE	0.07	0.77	1.67	1.67	4.45	2.16	0.49	0.0	11.28
SSE	0.14	0.77	0.63	0.77	4.45	2.85	0.28	0.07	9.91
S	0.0	0.28	0.97	0.70	4.11	5.22	0.56	0.21	12.05
SSW	0.07	0.28	0.77	0.28	2.51	3.69	0.49	0.0	8.04
SW	0.07	0.49	0.63	0.70	2.16	2.44	0.35	0.07	6.91
WSW	0.0	0.56	1.18	0.56	1.67	1.60	0.21	0.21	5.95
W	0.07	0.21	1.11	0.84	0.97	0.35	0.07	0.0	3.62
WNW	0.14	0.14	0.49	0.47	1.60	0.14	0.0	0.0	3.44
NW	0.0	0.14	0.77	0.70	2.85	0.77	0.07	0.0	5.30
NNW	0.0	0.14	0.49	0.90	1.18	0.63	0.42	0.14	2.40
SUBTOTAL	0.70	4.97	10.67	11.24	38.33	28.41	4.41	0.84	96.57

CALM = 0.56

1437 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 96.57 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.73 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.4-1.4	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	
N	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.0	0.14	0.14	0.0	0.0	0.28
ENE	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
E	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.14
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.07	0.49	0.28	0.0	0.0	0.84

CALM = 0.0

12 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

12 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 12 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MAY (74,75)								TOTAL
	WIND SPEED (MPH)								
	0.5-1.4	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	
N	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.21
NNE	0.0	0.0	0.0	0.07	0.14	0.14	0.0	0.0	0.35
NE	0.0	0.0	0.0	0.0	0.14	0.14	0.07	0.0	0.35
ENE	0.0	0.0	0.21	0.0	0.49	0.35	0.07	0.0	1.12
E	0.0	0.07	0.07	0.0	0.35	0.21	0.0	0.0	0.70
ESE	0.07	0.14	0.07	0.0	0.14	0.0	0.0	0.0	0.42
SE	0.0	0.07	0.0	0.0	0.49	0.07	0.0	0.0	0.63
SSE	0.0	0.07	0.07	0.07	0.07	0.0	0.0	0.0	0.28
S	0.0	0.0	0.07	0.0	0.28	0.21	0.07	0.0	0.63
SSW	0.0	0.14	0.0	0.0	0.35	0.70	0.07	0.0	1.26
SW	0.0	0.0	0.21	0.07	0.63	0.21	0.0	0.0	1.12
WSW	0.0	0.0	0.21	0.14	0.49	0.07	0.0	0.0	0.91
W	0.07	0.07	0.0	0.14	0.14	0.0	0.0	0.0	0.42
WNW	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.14
NW	0.0	0.0	0.0	0.0	0.14	0.14	0.07	0.0	0.35
NNW	0.0	0.07	0.07	0.07	0.21	0.07	0.0	0.0	0.49
SUBTOTAL	0.14	0.63	0.98	0.77	4.20	2.31	0.35	0.0	9.30

CALC = 0.28

136 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

136 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 136 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.07	0.21	0.14	0.70	0.98	0.0	0.0	2.10
NNE	0.0	0.07	0.14	0.14	1.47	1.19	0.35	0.07	3.43
NE	0.0	0.07	0.0	0.35	1.40	0.77	0.56	0.0	3.15
ENE	0.0	0.0	0.14	0.35	0.42	1.40	0.14	0.0	2.45
E	0.0	0.26	0.0	0.14	0.63	0.42	0.0	0.0	1.47
ESE	0.0	0.14	0.28	0.42	0.77	0.98	0.0	0.0	2.49
SE	0.07	0.28	0.77	0.98	2.81	1.12	0.35	0.0	6.35
SSE	0.07	0.35	0.42	0.42	3.09	1.47	0.21	0.07	6.10
S	0.0	0.14	0.56	0.56	2.45	3.44	0.35	0.14	7.64
SSW	0.07	0.14	0.56	0.28	1.61	1.68	0.35	0.0	4.60
SW	0.07	0.14	0.28	0.49	1.12	0.77	0.07	0.0	2.66
WSW	0.0	0.14	0.21	0.28	0.70	0.70	0.21	0.07	2.31
W	0.0	0.14	0.42	0.35	0.56	0.14	0.07	0.0	1.68
WNW	0.14	0.07	0.07	0.56	0.84	0.0	0.0	0.0	1.68
NW	0.0	0.0	0.14	0.14	0.77	0.07	0.0	0.0	1.12
NNW	0.0	0.07	0.07	0.28	0.42	0.35	0.0	0.07	1.26
SUBTOTAL	0.42	2.10	4.27	5.88	19.76	15.48	2.66	0.42	50.99

CALM = 0.28

732 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

732 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 732 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.1-1.4	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	
N	0.0	0.07	0.21	0.14	0.49	0.49	0.21	0.07	1.66
NNE	0.0	0.07	0.21	0.35	1.19	0.35	0.07	0.0	2.24
NE	0.0	0.07	0.0	0.21	1.75	0.70	0.0	0.0	2.73
NNE	0.07	0.07	0.21	0.35	0.84	0.14	0.0	0.0	1.66
E	0.0	0.07	0.21	0.35	0.35	0.07	0.0	0.0	1.05
ESE	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.42
SE	0.0	0.35	0.91	0.70	1.19	0.98	0.14	0.0	4.27
SSF	0.07	0.35	0.07	0.28	1.33	1.40	0.07	0.0	3.57
S	0.0	0.07	0.35	0.14	1.40	1.61	0.14	0.07	3.76
SSW	0.0	0.0	0.21	0.0	0.56	1.33	0.07	0.0	2.17
S _w	0.0	0.28	0.14	0.14	0.28	1.40	0.21	0.07	2.92
WSW	0.0	0.42	0.77	0.14	0.49	0.84	0.0	0.14	2.59
W	0.0	0.0	0.70	0.35	0.26	0.14	0.0	0.0	1.47
WNW	0.0	0.07	0.42	0.28	0.77	0.14	0.0	0.0	1.67
W _w	0.0	0.14	0.56	0.56	1.89	0.56	0.0	0.0	3.71
NW	0.0	0.0	0.35	0.56	0.42	0.14	0.42	0.07	1.96
SUBTOTAL	0.14	2.03	5.32	4.55	13.65	10.29	1.33	0.42	37.74
CALM =	0.0								

541 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

539 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 541 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.73 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
 $\pm 1.7 < \Delta T < -1.5$ DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	$\geq 24-5$	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.07	0.0	0.0	0.0	0.07	0.0	0.14

CALC = 0.0

2 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

2 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 2 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.73 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
 -1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.07	0.0	0.0	0.07	0.07	0.0	0.0	0.21

CALM = 0.0

3 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1429 VALID TEMPERATURE DIFFERENCE READINGS

3 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 3 STABILITY CLASS B OCCURRENCES

ALL COLUMNS ADD CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.75 MILES EST OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MAY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6=1-6	1-5=3-6	3-5=5-6	5-5=7-6	7-5=12-6	12-5=18-6	18-5=24-6	>24-6	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALM = 0.0

0 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

0 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 0 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

APRIL (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0.5-1.4	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	0.0	0.07	0.07	0.21	1.64	2.86	0.07	0.0	4.92
NNE	0.0	0.0	0.21	0.29	1.64	2.79	0.36	0.0	5.29
NE	0.07	0.07	0.21	0.07	2.36	1.93	0.64	0.0	5.35
ENE	0.0	0.0	0.07	0.07	1.50	1.07	0.07	0.0	2.78
E	0.0	0.36	0.43	0.43	0.86	0.36	0.0	0.0	2.44
ESE	0.0	0.21	0.36	0.43	0.93	0.64	0.07	0.07	2.71
SE	0.0	0.43	1.07	1.93	3.07	2.00	0.71	0.21	9.42
SSE	0.07	0.50	1.43	0.57	1.79	2.07	1.93	1.79	10.15
S	0.0	0.43	0.64	0.43	1.50	2.79	2.50	2.50	10.79
SSW	0.0	0.50	0.29	0.14	1.57	3.79	3.65	1.79	11.73
SW	0.0	0.21	0.21	0.29	1.14	3.29	2.07	0.14	7.35
WSW	0.0	0.29	0.64	0.36	1.14	1.22	0.14	0.43	4.22
W	0.0	0.14	0.29	0.43	0.79	1.29	0.29	0.14	3.37
WNN	0.0	0.21	0.07	0.36	1.43	1.43	0.14	0.46	4.50
NW	0.0	0.21	0.21	0.43	1.29	2.79	1.29	0.71	6.93
NNW	0.07	0.0	0.21	0.29	1.43	4.22	1.07	0.14	7.43
SUBTOTAL	0.21	3.63	6.41	6.73	24.08	34.54	15.00	8.78	99.38
CALM =	0.57								

1399 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 97.15 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6-14	1-5-34	3-5-54	5-5-74	7-5-124	12-5-184	18-5-244	≥24-5	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.22	0.07	0.0	0.29
ENE	0.0	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.14
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.07
SE	0.0	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.21
SSE	0.0	0.0	0.07	0.0	0.14	0.0	0.0	0.0	0.21
S	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
SSW	0.0	0.0	0.07	0.0	0.0	0.14	0.07	0.0	0.28
SH	0.0	0.0	0.0	0.0	0.0	0.14	0.14	0.0	0.28
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.07	0.14	0.14	0.07	0.0	0.0	0.0	0.42
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.07	0.35	0.28	0.42	0.57	0.35	0.0	2.04
CALM =	0.0								

29 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

29 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 29 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.07	0.0	0.0	0.0	0.14	0.07	0.0	0.28
NNE	0.0	0.0	0.07	0.0	0.07	0.22	0.07	0.0	0.43
NE	0.0	0.07	0.0	0.0	0.0	0.36	0.14	0.0	0.57
ENE	0.0	0.0	0.0	0.0	0.29	0.43	0.0	0.0	0.72
E	0.0	0.0	0.07	0.07	0.29	0.22	0.0	0.0	0.65
ESE	0.0	0.0	0.14	0.07	0.14	0.07	0.0	0.0	0.42
SE	0.0	0.14	0.36	0.22	0.36	0.43	0.0	0.0	1.51
SSE	0.0	0.14	0.14	0.07	0.43	0.0	0.14	0.0	0.92
S	0.0	0.14	0.0	0.07	0.07	0.22	0.0	0.0	0.50
SSW	0.0	0.0	0.0	0.0	0.22	0.86	0.29	0.0	1.37
SW	0.0	0.0	0.0	0.0	0.0	0.79	0.22	0.0	1.01
WSW	0.0	0.0	0.07	0.0	0.22	0.22	0.0	0.0	0.51
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.14	0.14	0.29	0.0	0.0	0.57
NW	0.0	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.14
NNW	0.0	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.14
SUBTOTAL	0.0	0.56	0.85	0.71	2.23	4.39	1.00	0.0	9.74

CALC = 0.29

140 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

140 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 140 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.57	1.44	0.0	0.0	2.01
NNE	0.0	0.0	0.0	0.22	0.43	1.51	0.07	0.0	2.23
NE	0.0	0.0	0.22	0.0	1.08	1.15	0.43	0.0	2.88
ENE	0.0	0.0	0.07	0.0	0.57	0.43	0.0	0.0	1.07
E	0.0	0.07	0.36	0.22	0.50	0.14	0.0	0.0	1.29
ESE	0.0	0.14	0.14	0.22	0.43	0.50	0.07	0.0	1.50
SE	0.0	0.14	0.29	0.65	1.29	1.08	0.36	0.0	3.81
SSE	0.0	0.14	0.50	0.22	0.86	1.80	1.29	1.15	5.96
S	0.0	0.14	0.29	0.22	1.22	1.80	2.08	1.58	7.33
SSW	0.0	0.22	0.14	0.14	1.36	2.30	2.80	1.29	8.25
SW	0.0	0.07	0.07	0.14	0.57	1.58	1.29	0.14	3.86
WSW	0.0	0.14	0.07	0.07	0.50	0.36	0.07	0.29	1.50
W	0.0	0.07	0.0	0.07	0.22	0.50	0.14	0.07	1.07
WNW	0.0	0.07	0.0	0.07	0.14	0.29	0.0	0.14	0.71
NW	0.0	0.14	0.14	0.14	0.50	0.72	0.22	0.0	1.86
NNW	0.07	0.0	0.07	0.22	0.72	1.80	0.14	0.0	3.02
SUBTOTAL	0.07	1.34	2.36	2.60	10.96	17.40	8.96	4.66	48.35

CALC = 0.22

692 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

677 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 692 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.07	0.22	1.01	1.29	0.0	0.0	2.59
NNE	0.0	0.0	0.14	0.07	1.15	1.08	0.22	0.0	2.66
NE	0.07	0.0	0.0	0.07	1.29	0.22	0.0	0.0	1.65
ENE	0.0	0.0	0.0	0.07	0.65	0.14	0.0	0.0	0.86
E	0.0	0.14	0.0	0.14	0.07	0.0	0.0	0.0	0.35
ESE	0.0	0.07	0.07	0.14	0.29	0.07	0.0	0.07	0.71
SE	0.0	0.14	0.36	0.93	1.29	0.50	0.36	0.22	3.80
SSE	0.0	0.22	0.65	0.29	0.36	0.29	0.50	0.65	2.90
S	0.0	0.14	0.29	0.07	0.14	0.79	0.43	0.93	2.79
SSW	0.0	0.29	0.07	0.0	0.0	0.50	0.50	0.50	1.86
SW	0.0	0.14	0.14	0.14	0.50	0.72	0.43	0.0	2.07
WSW	0.0	0.07	0.36	0.22	0.43	0.65	0.07	0.14	1.94
W	0.0	0.0	0.07	0.22	0.50	0.79	0.14	0.07	1.79
WNW	0.0	0.14	0.07	0.14	1.15	0.86	0.14	0.72	3.22
NW	0.0	0.07	0.07	0.22	0.79	2.01	1.08	0.72	4.96
NNW	0.0	0.0	0.14	0.07	0.65	2.37	0.86	0.14	4.23
SUBTOTAL	0.07	1.42	2.50	3.01	10.27	12.28	4.73	4.16	38.44

CALC = 0.07

548 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

537 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 548 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6=1-4	1-5=3-4	3-5=5-4	5-5=7-4	7-5=12-4	12-5=18-4	12-5=24-4	>=24-5	
N	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SUBTOTAL	0.0	0.0	0.14	0.07	0.14	0.07	0.0	0.0	0.42

CALC = 0.0

7 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

6 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 7 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100F

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14

CALM = 0.0

2 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

2 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 2 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

APRIL (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07

CALC = 0.0

1 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1419 VALID TEMPERATURE DIFFERENCE READINGS

1 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)
WIND SPEED(MPH)

WIND DIRECTION	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	0.07	0.21	0.14	0.21	1.76	3.10	1.27	0.07	6.83
NNE	0.07	0.28	0.21	0.21	1.06	1.76	0.92	0.07	4.58
NE	0.0	0.14	0.42	0.35	1.34	2.05	0.42	0.0	4.72
ENE	0.07	0.21	0.07	0.21	1.97	0.49	0.0	0.0	3.02
E	0.0	0.14	0.21	0.63	0.85	0.63	0.35	0.0	2.81
ESE	0.0	0.26	0.28	0.42	1.55	1.48	0.0	0.07	4.08
SE	0.0	0.28	0.99	1.34	2.40	1.69	1.41	1.69	9.80
SSE	0.0	0.49	0.42	0.85	1.13	1.62	1.20	1.90	7.61
S	0.0	0.14	0.14	0.14	1.41	2.68	1.34	1.90	7.75
SSW	0.0	0.14	0.28	0.21	2.75	4.65	4.02	2.68	14.73
SW	0.07	0.21	0.0	0.35	1.97	2.26	1.55	1.06	7.47
WSW	0.0	0.07	0.21	0.35	0.56	1.13	0.49	0.21	3.02
W	0.07	0.0	0.28	0.42	0.49	0.85	1.20	1.41	4.72
WNW	0.0	0.14	0.0	0.21	1.20	0.85	1.34	0.92	4.66
NW	0.0	0.07	0.49	0.21	1.55	1.90	2.12	0.78	7.12
NNW	0.14	0.07	0.63	0.14	1.46	2.26	1.90	0.35	6.97
SUBTOTAL	0.49	2.67	4.77	6.25	23.47	29.40	19.53	13.11	99.89

CALH = 0.0

1418 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1468 TOTAL HOURS = 95.30 PERCENT

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

107

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M.

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.6-1.4	1.6-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	≥24.5	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
NE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
SE	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.07	0.0	0.50	0.0	0.0	0.57
SW	0.0	0.0	0.0	0.0	0.0	0.28	0.14	0.07	0.49
WSW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.21
NNW	0.0	0.0	0.21	0.0	0.07	0.0	0.0	0.0	0.21
SUBTOTAL	0.0	0.14	0.26	0.21	0.21	0.99	0.14	0.07	2.04

CALC = 0.0

29 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

29 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 29 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MARCH (74,75) WIND SPEED (MPH)								TOTAL
	0.5-1.4	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	
N	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ENE	0.07	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.21
E	0.0	0.0	0.0	0.07	0.0	0.14	0.07	0.0	0.28
ESE	0.0	0.0	0.0	0.0	0.07	0.21	0.0	0.0	0.28
SE	0.0	0.07	0.0	0.07	0.21	0.21	0.14	0.0	0.70
SSE	0.0	0.0	0.0	0.07	0.14	0.14	0.0	0.0	0.35
S	0.0	0.0	0.0	0.0	0.28	0.14	0.0	0.0	0.42
SSW	0.0	0.07	0.0	0.07	0.28	1.07	0.21	0.0	1.70
SW	0.0	0.07	0.0	0.0	0.36	0.28	0.0	0.43	1.14
WSW	0.0	0.0	0.14	0.0	0.07	0.21	0.0	0.0	0.42
W	0.0	0.0	0.14	0.14	0.0	0.21	0.0	0.0	0.49
WNW	0.0	0.07	0.0	0.0	0.14	0.07	0.0	0.0	0.28
NW	0.0	0.0	0.0	0.0	0.14	0.14	0.0	0.0	0.28
NNW	0.07	0.07	0.07	0.0	0.07	0.07	0.0	0.0	0.35
SUBTOTAL	0.14	0.35	0.35	0.56	1.83	3.03	0.42	0.43	7.11
CALM =	0.0								

103 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

101 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 103 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND.

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	MARCH (74,75)								
	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	0.07	0.21	0.07	0.0	1.14	1.78	0.0	0.0	3.27
NNE	0.07	0.14	0.07	0.07	0.36	0.92	0.21	0.07	1.91
NE	0.0	0.07	0.21	0.14	1.07	1.71	0.36	0.0	3.56
ENE	0.0	0.14	0.07	0.0	0.92	0.28	0.0	0.0	1.41
E	0.0	0.14	0.07	0.21	0.43	0.50	0.28	0.0	1.63
ESE	0.0	0.07	0.14	0.07	1.14	1.07	0.0	0.07	2.56
SE	0.0	0.07	0.28	0.43	0.78	1.00	1.14	1.35	5.05
SSE	0.0	0.28	0.0	0.28	0.57	0.85	1.07	1.85	4.99
S	0.0	0.07	0.14	0.07	1.07	2.20	0.92	1.85	6.32
SSW	0.0	0.0	0.14	0.07	1.56	2.35	3.06	1.71	8.89
SW	0.0	0.14	0.0	0.21	1.14	1.28	1.14	0.50	4.41
WSW	0.0	0.07	0.07	0.14	0.21	0.64	0.43	0.21	1.77
W	0.07	0.0	0.07	0.21	0.28	0.36	0.85	0.07	1.91
WNW	0.0	0.07	0.0	0.14	0.57	0.21	0.36	0.07	1.42
NW	0.0	0.07	0.14	0.14	0.85	0.78	0.28	0.28	2.54
NNW	0.0	0.0	0.14	0.07	0.78	0.64	0.57	0.0	2.20
SUBTOTAL	0.21	1.54	1.61	2.25	12.87	16.57	10.67	8.03	53.75
CALM =	0.0								

773 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

757 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 773 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS D
-1.5 ≤ DELTA-T ≤ -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

MARCH (74, 75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.4-1.4	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	
N	0.0	0.0	0.07	0.14	0.64	1.35	1.28	0.07	3.55
NNE	0.0	0.07	0.14	0.14	0.71	0.78	0.71	0.0	2.55
NE	0.0	0.0	0.21	0.14	0.28	0.36	0.07	0.0	1.06
ENE	0.0	0.07	0.0	0.21	1.00	0.14	0.0	0.0	1.42
E	0.0	0.0	0.14	0.28	0.43	0.0	0.0	0.0	0.85
ESE	0.0	0.21	0.14	0.28	0.21	0.14	0.0	0.0	0.96
SE	0.0	0.07	0.50	0.43	1.42	0.43	0.07	0.36	3.28
SSE	0.0	0.21	0.43	0.43	0.43	0.57	0.14	0.07	2.28
S	0.0	0.07	0.0	0.07	0.07	0.26	0.43	0.07	1.07
SSW	0.0	0.07	0.14	0.0	0.92	0.78	0.71	0.65	3.47
SW	0.07	0.0	0.0	0.14	0.50	0.43	0.28	0.07	1.49
WSW	0.0	0.0	0.0	0.21	0.28	0.21	0.07	0.0	0.77
W	0.0	0.0	0.07	0.07	0.71	0.28	0.36	1.28	2.27
WNW	0.0	0.0	0.0	0.07	0.50	0.57	1.00	0.78	2.92
NW	0.0	0.0	0.28	0.0	0.50	1.00	1.85	0.36	3.94
NNW	0.07	0.0	0.21	0.07	0.57	1.56	1.35	0.36	4.19
SUBTOTAL	0.14	0.77	2.33	2.68	8.67	8.96	8.32	4.27	36.14
CALM =	0.0								

516 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

509 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 516 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

401

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NAKCH (74,75)

WIND DIRECTION	WIND SPEED (MPH)							TOTAL	
	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
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SE	0.0	0.0	0.14	0.14	0.0	0.0	0.0	0.0	0.28
SSE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.14	0.21	0.07	0.0	0.0	0.0	0.42

CALM = 0.0

6 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

6 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 6 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 ≤ DELTA-T ≤ -1.7 DEG C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.07	0.07	0.14	0.0	0.0	0.0	0.0	0.28
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.07	0.07	0.14	0.0	0.0	0.0	0.0	0.28
CALH =	0.0								

4 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

4 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 4 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

MARCH (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07

CALC = 0.0

* STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1432 VALID TEMPERATURE DIFFERENCE READINGS

* VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

* METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)
WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.18	0.54	0.45	1.87	2.14	0.36	0.0	5.54
NNE	0.0	0.09	0.27	0.80	1.70	3.13	0.18	0.09	6.26
NE	0.0	0.0	0.18	1.07	1.61	2.68	0.09	0.09	5.72
ENE	0.0	0.09	0.09	0.54	0.80	0.89	0.18	0.0	2.59
E	0.0	0.0	0.36	0.36	0.98	0.27	0.09	0.0	2.06
ESE	0.0	0.09	0.0	0.45	1.16	0.54	0.89	0.27	3.40
SE	0.0	0.18	0.27	0.80	2.23	2.05	1.07	2.68	9.28
SSE	0.0	0.09	0.27	0.71	2.41	3.21	1.16	0.80	8.65
S	0.0	0.18	0.45	0.80	3.04	3.66	1.34	1.16	10.63
SSW	0.0	0.09	0.62	0.71	1.87	4.55	2.86	0.18	10.88
SW	0.09	0.0	0.36	0.54	0.71	1.34	1.87	0.0	5.71
WSW	0.0	0.09	0.80	0.18	0.54	1.79	1.52	1.25	6.17
W	0.0	0.0	0.27	0.27	1.16	1.43	1.07	0.71	4.91
WNW	0.0	0.09	0.09	0.71	0.89	1.43	0.62	0.0	4.77
NW	0.0	0.09	0.18	0.62	1.70	3.39	0.54	0.18	6.70
NNW	0.0	0.18	0.45	0.27	0.62	3.75	1.52	0.0	6.79
SUBTOTAL	0.09	1.44	5.20	9.28	23.29	36.25	15.36	9.10	100.01
CALM =	0.0								

1120 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1344 TOTAL HOURS = 83.33 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

FEBRUARY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4=1-4	1-5=3-4	3-5=5-4	5-5=2-4	7-5=12-4	12-5=18-4	18-5=24-4	>24-5	
N	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.16
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.09
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.09
ENE	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.09
SE	0.0	0.0	0.0	0.0	0.15	0.09	0.0	0.0	0.27
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.09	0.09	0.0	0.0	0.0	0.18
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.09	0.0	0.09	0.54	0.09	0.09	0.09	0.99

CALM = 0.0

12 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1167 VALID TEMPERATURE DIFFERENCE READINGS

11 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 12 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)

WIND DIRECTION	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM =	0.0								

0 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

0 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 0 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T_K = -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	DECEMBER (74,75)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALM = 0.0

0 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

0 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 0 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	NOVEMBER (74,75) WIND SPEED (MPH)								
	0-4-14	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	0.0	0.14	0.14	0.14	1.35	1.96	0.21	0.0	3.92
NNE	0.0	0.0	0.42	0.35	1.47	1.19	0.0	0.0	3.43
NE	0.0	0.07	0.35	0.28	0.70	1.47	0.14	0.0	3.01
ENE	0.0	0.07	0.49	0.42	1.05	0.77	0.14	0.0	2.94
E	0.0	0.14	0.42	0.63	1.19	0.07	0.0	0.0	2.45
ESE	0.0	0.21	1.05	1.26	2.09	1.19	0.21	0.0	6.01
SE	0.0	0.49	0.70	1.61	4.82	4.05	1.47	0.28	13.42
SSE	0.0	0.35	0.63	0.70	3.84	3.77	1.26	1.05	11.46
S	0.0	1.35	1.05	1.19	2.79	4.19	1.12	1.05	11.74
SSW	0.0	0.70	0.56	0.49	2.44	2.37	2.30	0.28	9.14
SW	0.0	0.70	0.56	0.28	1.40	1.40	0.49	0.0	4.83
WSW	0.0	0.14	0.49	0.42	0.70	0.63	0.28	0.07	2.73
W	0.0	0.42	0.14	0.07	0.84	0.84	0.84	0.14	3.29
WNW	0.0	0.28	0.42	0.28	0.70	2.16	1.12	0.14	5.19
NW	0.0	0.42	1.12	0.63	1.47	1.96	3.35	0.98	9.43
NNW	0.0	0.14	0.14	0.56	0.96	3.49	1.12	0.14	6.57
SUBTOTAL	0.0	4.62	6.68	9.31	27.81	31.51	14.05	4.13	100.11

CALC = 0.0

1432 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 99.44 PERCENT

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)								CALM
	0-6-14	15-34	35-54	55-74	75-124	125-184	185-244	>245	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.07	0.0	0.07	0.0	0.07	0.0	0.0	0.21
ENE	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
E	0.0	0.14	0.0	0.14	0.07	0.0	0.0	0.0	0.36
ESE	0.0	0.0	0.14	0.21	0.50	0.07	0.0	0.0	0.92
SE	0.0	0.0	0.0	0.21	0.73	0.21	0.0	0.0	1.20
SSE	0.0	0.0	0.0	0.0	0.92	0.21	0.0	0.0	1.13
S	0.0	0.0	0.0	0.07	0.21	0.57	0.0	0.0	0.85
SSW	0.0	0.14	0.07	0.07	0.0	0.0	0.0	0.0	0.28
SW	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.21
WSW	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.42	0.28	0.91	2.55	1.20	0.0	0.0	5.36

CALM = 0.0

76 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

76 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 76 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

WIND PERCENTAGE FREQUENCIES BY WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0.5-1.4	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	0.0	0.07	0.0	0.0	0.14	0.21	0.0	0.0	0.42
NNE	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
NE	0.0	0.0	0.07	0.07	0.0	0.21	0.0	0.0	0.35
ENE	0.0	0.0	0.0	0.07	0.07	0.35	0.0	0.0	0.49
E	0.0	0.0	0.14	0.0	0.50	0.0	0.0	0.0	0.64
ESE	0.0	0.0	0.07	0.21	0.21	0.57	0.0	0.0	1.06
SE	0.0	0.07	0.0	0.21	0.71	1.91	0.35	0.0	3.26
SSE	0.0	0.0	0.0	0.07	0.78	0.99	0.0	0.0	1.84
S	0.0	0.07	0.21	0.21	0.43	0.57	0.21	0.0	1.70
SSW	0.0	0.14	0.14	0.14	0.50	0.21	0.50	0.0	1.63
SW	0.0	0.07	0.07	0.0	0.21	0.0	0.0	0.0	0.35
WSW	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
NW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NNW	0.0	0.0	0.07	0.0	0.0	0.14	0.07	0.0	0.28
SUBTOTAL	0.0	0.42	1.05	1.05	3.62	5.23	1.13	0.0	12.50

CALC = 0.0

177 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

177 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 177 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

11/27

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E

-0.5 < DELTA-T <= 1.5 DEG. C/100M.

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)

WIND DIRECTION	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	0.0	0.07	0.07	0.14	0.28	0.57	0.14	0.0	1.27
NNE	0.0	0.0	0.21	0.14	0.50	0.92	0.0	0.0	1.77
NE	0.0	0.0	0.07	0.07	0.64	1.13	0.14	0.0	2.05
ENE	0.0	0.07	0.21	0.21	0.85	0.35	0.14	0.0	1.83
E	0.0	0.0	0.28	0.28	0.50	0.07	0.0	0.0	1.13
ESE	0.0	0.07	0.28	0.64	0.78	0.28	0.14	0.0	2.19
SE	0.0	0.28	0.50	0.85	2.13	1.77	0.85	0.21	6.59
SSE	0.0	0.28	0.43	0.57	1.98	1.98	0.57	0.99	6.80
S	0.0	0.07	0.71	0.78	1.91	2.83	0.85	0.92	8.07
SSW	0.0	0.43	0.14	0.21	1.77	1.49	1.13	0.0	5.17
SW	0.0	0.35	0.07	0.21	0.92	0.64	0.21	0.0	2.40
WSW	0.0	0.14	0.14	0.07	0.07	0.14	0.21	0.07	0.84
W	0.0	0.35	0.14	0.0	0.07	0.21	0.0	0.07	0.84
WGW	0.0	0.07	0.14	0.07	0.14	0.99	0.43	0.14	1.98
NW	0.0	0.14	0.21	0.14	0.43	0.92	1.28	0.14	3.26
NNW	0.0	0.14	0.0	0.28	0.35	1.42	0.14	0.07	2.40
SUBTOTAL	0.0	2.46	3.60	4.66	13.32	15.71	6.23	2.61	48.59

CALC = 0.0

689 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

687 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 689 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T < -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	NOVEMBER (74,75)								TOTAL
	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	
N	0.0	0.0	0.07	0.0	0.92	1.06	0.07	0.0	2.12
NNE	0.0	0.0	0.21	0.21	0.85	0.21	0.0	0.0	1.42
NE	0.0	0.0	0.21	0.07	0.07	0.07	0.0	0.0	0.42
ENE	0.0	0.0	0.21	0.14	0.14	0.0	0.0	0.0	0.49
E	0.0	0.0	0.0	0.21	0.14	0.0	0.0	0.0	0.35
ESE	0.0	0.14	0.50	0.21	0.43	0.28	0.07	0.0	1.65
SE	0.0	0.07	0.21	0.28	1.13	0.21	0.28	0.07	2.25
SSE	0.0	0.07	0.21	0.07	0.14	0.64	0.71	0.07	1.91
S	0.0	0.21	0.14	0.14	0.28	0.28	0.07	0.14	1.25
SSW	0.0	0.0	0.21	0.07	0.21	0.71	0.71	0.28	2.19
SW	0.0	0.21	0.35	0.0	0.28	0.71	0.28	0.0	1.82
WSW	0.0	0.0	0.28	0.21	0.57	0.50	0.07	0.0	1.63
W	0.0	0.07	0.0	0.07	0.78	0.64	0.85	0.07	2.48
WNW	0.0	0.21	0.14	0.21	0.57	1.20	0.71	0.0	3.04
W	0.0	0.28	0.85	0.43	0.78	0.85	2.06	0.85	6.10
NNW	0.0	0.0	0.07	0.28	0.64	1.84	0.92	0.07	3.82
SUBTOTAL	0.0	1.26	3.66	2.60	7.93	9.20	6.80	1.55	33.00

CALM = 0.0

469 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

467 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 469 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07

CAER = 0.0

1 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

1 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4=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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.07
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.07	0.0	0.0	0.0	0.07	0.07	0.0	0.21

CALC = 0.0

3 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

3 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 3 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

NOVEMBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALM = 0.0

0 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1415 VALID TEMPERATURE DIFFERENCE READINGS

0 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 0 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)

WIND DIRECTION	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	0.14	0.41	0.27	0.41	1.50	2.11	0.54	0.0	5.26
NNE	0.20	0.41	0.54	0.68	1.77	4.77	1.91	0.27	10.54
NE	0.0	0.14	0.27	0.54	1.36	2.25	0.95	0.20	5.71
ENE	0.0	0.41	0.68	0.61	1.57	0.66	0.82	0.07	4.64
E	0.0	0.27	0.92	0.92	0.82	0.27	0.07	0.0	3.07
ESE	0.07	1.23	1.43	0.61	1.84	1.29	0.0	0.0	6.47
SE	0.07	1.23	1.77	1.16	4.77	3.41	1.02	0.07	13.50
SSE	0.20	1.02	1.02	1.91	4.16	4.36	0.68	0.07	13.42
S	0.14	0.54	0.75	0.95	3.00	1.98	0.54	0.0	7.40
SSW	0.0	0.68	0.27	0.61	1.23	1.77	0.07	0.0	4.64
SW	0.14	0.54	0.82	0.89	0.95	0.75	0.0	0.0	4.09
WSW	0.07	0.75	0.75	0.75	0.34	0.27	0.0	0.0	2.92
W	0.0	0.27	0.95	0.89	1.02	0.07	0.0	0.0	3.20
WNW	0.14	0.41	0.68	0.95	1.29	0.20	0.14	0.0	3.41
NW	0.0	0.82	0.48	0.95	1.43	0.48	0.48	0.27	4.41
NNW	0.0	0.41	0.68	0.48	1.77	1.91	0.27	0.0	5.11

SUBTOTAL 1.17 9.54 12.18 13.21 28.82 26.57 7.49 0.95 99.83

CALM = 0.07

1468 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 93.66 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

WIND DIRECTION, WIND SPEED, WIND VELOCITY, WIND DIRECTION AND WIND SPEED
 WIND DIRECTION, WIND SPEED, WIND VELOCITY, WIND DIRECTION AND WIND SPEED
 WIND DIRECTION, WIND SPEED, WIND VELOCITY, WIND DIRECTION AND WIND SPEED

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

OCTOBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	0-6-14	15-34	35-54	55-74	75-124	125-184	185-244	≥245		
N	0.15	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.23
NNE	0.0	0.08	0.0	0.08	0.30	0.68	0.23	0.23	0.23	1.66
NE	0.0	0.0	0.0	0.08	0.46	0.15	0.0	0.08	0.08	0.77
ENE	0.0	0.08	0.0	0.15	0.36	0.08	0.0	0.0	0.0	0.67
E	0.0	0.0	0.0	0.08	0.0	0.08	0.0	0.0	0.0	0.15
ESE	0.0	0.23	0.15	0.0	0.0	0.15	0.0	0.0	0.0	0.53
SE	0.0	0.46	0.30	0.23	0.30	0.15	0.0	0.0	0.0	1.44
SSE	0.0	0.23	0.15	0.08	0.23	0.15	0.0	0.0	0.0	0.84
S	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.15
SSW	0.0	0.0	0.0	0.08	0.15	0.15	0.08	0.0	0.0	0.56
SW	0.15	0.15	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.38
WSW	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
W	0.0	0.08	0.15	0.0	0.08	0.0	0.0	0.0	0.0	0.31
WNW	0.15	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.23
NW	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15
NNW	0.0	0.0	0.15	0.0	0.38	0.15	0.0	0.0	0.0	0.68
SUBTOTAL	0.45	1.62	1.06	0.86	2.28	1.82	0.31	0.31	0.31	8.71
CALM =	0.0									

114 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1322 VALID TEMPERATURE DIFFERENCE READINGS

114 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 114 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

WIND PERCENTAGE FREQUENCIES BY WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

OCTOBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.08	0.08	0.08	0.30	0.0	0.30	0.0	0.84
NNE	0.0	0.15	0.0	0.0	0.08	0.15	0.76	0.08	1.22
NE	0.0	0.0	0.15	0.08	0.15	0.38	0.15	0.0	0.91
ENE	0.0	0.23	0.0	0.15	0.46	0.0	0.15	0.0	0.99
E	0.0	0.0	0.30	0.08	0.0	0.0	0.0	0.0	0.38
ESE	0.0	0.15	0.30	0.0	0.15	0.30	0.0	0.0	0.90
SE	0.0	0.0	0.23	0.23	0.76	0.68	0.23	0.0	2.13
SSE	0.0	0.23	0.08	0.0	0.61	1.21	0.0	0.0	2.13
S	0.15	0.08	0.15	0.38	1.21	0.76	0.23	0.0	2.96
SSN	0.0	0.08	0.0	0.15	0.23	0.99	0.0	0.0	1.45
S _W	0.0	0.0	0.08	0.38	0.61	0.38	0.0	0.0	1.45
WSW	0.0	0.15	0.08	0.0	0.0	0.08	0.0	0.0	0.31
W	0.0	0.0	0.08	0.0	0.23	0.08	0.0	0.0	0.39
WNW	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
NW	0.0	0.15	0.0	0.15	0.38	0.0	0.0	0.0	0.68
NNW	0.0	0.15	0.30	0.08	0.0	0.15	0.0	0.0	0.68
SUBTOTAL	0.15	1.45	1.91	1.76	5.17	5.16	1.82	0.08	17.50

CALM = 0.00

231 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1322 VALID TEMPERATURE DIFFERENCE READINGS

231 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 231 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
 -0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)

WIND DIRECTION	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	0.0	0.38	0.15	0.08	0.64	1.29	0.23	0.0	2.97
NNE	0.15	0.0	0.38	0.15	1.14	2.05	1.06	0.0	4.83
NE	0.0	0.15	0.15	0.15	0.53	1.14	0.76	0.15	3.83
ENE	0.0	0.15	0.23	0.08	0.61	0.53	0.30	0.0	1.90
E	0.0	0.23	0.46	0.61	0.61	0.23	0.08	0.0	2.22
ESE	0.08	0.61	0.46	0.23	1.29	0.91	0.0	0.0	3.48
SE	0.0	0.53	0.61	0.15	2.13	1.62	0.46	0.0	5.78
SSE	0.08	0.08	0.15	1.21	2.66	3.26	0.68	0.0	6.12
S	0.0	0.0	0.38	0.46	1.67	1.06	0.30	0.0	3.87
SSW	0.0	0.23	0.30	0.30	0.64	0.53	0.0	0.0	2.80
SW	0.0	0.08	0.30	0.15	0.15	0.23	0.0	0.0	0.91
WSW	0.0	0.15	0.15	0.38	0.15	0.23	0.0	0.0	1.21
W	0.0	0.08	0.15	0.38	0.46	0.0	0.0	0.0	1.47
WNW	0.0	0.15	0.23	0.23	0.76	0.0	0.08	0.0	1.44
NW	0.0	0.30	0.08	0.38	0.23	0.08	0.46	0.15	1.64
NNW	0.0	0.08	0.23	0.38	0.76	0.84	0.30	0.0	2.59
SUBTOTAL	0.31	3.20	4.41	5.32	14.83	14.20	4.71	0.30	47.26

CALM = 0.0

627 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1322 VALID TEMPERATURE DIFFERENCE READINGS

622 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 627 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

NET PERCENTAGE FREQUENCIES OF WIND DIRECTIONS AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)

WIND SPEED (MPH)

WIND DIRECTION:	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	0.0	0.0	0.08	0.23	0.53	1.06	0.08	0.0	1.98
NNE	0.08	0.23	0.23	0.53	0.46	2.13	0.08	0.0	3.74
NE	0.0	0.0	0.0	0.30	0.38	0.61	0.08	0.0	1.37
ENE	0.0	0.0	0.23	0.23	0.15	0.08	0.0	0.0	0.69
E	0.0	0.08	0.08	0.0	0.08	0.0	0.0	0.0	0.24
ESE	0.0	0.15	0.38	0.30	0.46	0.08	0.0	0.0	1.37
SE	0.0	0.15	0.46	0.53	1.21	0.99	0.46	0.08	3.74
SSE	0.08	0.30	0.46	0.30	0.53	0.08	0.08	0.08	1.91
S	0.0	0.15	0.08	0.08	0.15	0.15	0.08	0.0	0.69
SSW	0.0	0.38	0.0	0.08	0.15	0.30	0.0	0.0	0.51
SW	0.0	0.08	0.30	0.23	0.0	0.0	0.0	0.0	0.61
WSW	0.0	0.23	0.38	0.30	0.0	0.0	0.0	0.0	0.91
W	0.0	0.08	0.38	0.38	0.08	0.0	0.0	0.0	0.92
WNW	0.0	0.08	0.38	0.68	0.68	0.23	0.08	0.0	2.13
Wn	0.0	0.08	0.38	0.53	0.99	0.46	0.08	0.15	2.67
NW	0.0	0.08	0.08	0.08	0.84	0.99	0.0	0.0	2.07
SUBTOTAL	0.16	2.07	3.90	4.78	6.69	7.16	1.02	0.31	26.09

CALM = 0.0

342 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1322 VALID TEMPERATURE DIFFERENCE READINGS

342 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 342 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENTAGE OCCURRENCES OF WIND DIRECTION AND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100%

BRUNNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)								
	0-4=1-4	1-5=2-4	3-5=5-4	5-5=7-4	7-5=12-4	12-5=18-4	18-5=24-4	>24-4	ILLL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSF	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0
CALM =	0.0								

1 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1322 VALID TEMPERATURE DIFFERENCE READINGS

1 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BRUNNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

OCTOBER (74,75)

WIND DIRECTION	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	ICIAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.08	0.08	0.0	0.0	0.16
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.08	0.0	0.08	0.08	0.0	0.0	0.24

CALC = 0.0

3 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1322 VALID TEMPERATURE DIFFERENCE READINGS

3 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 3 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND SPEED (MPH)

WIND DIRECTION	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	0.0	0.29	0.43	0.71	2.43	1.79	1.07	0.14	6.86
NNE	0.0	0.64	0.50	1.07	4.79	5.07	1.86	0.21	14.14
NE	0.0	0.07	0.50	0.36	3.29	3.64	1.57	0.0	9.43
ENE	0.14	0.36	0.71	0.57	1.71	1.36	0.43	0.0	5.28
E	0.07	0.36	0.21	0.93	2.14	0.93	0.0	0.0	4.54
ESE	0.0	0.50	0.79	0.71	2.93	1.29	0.14	0.0	6.36
SE	0.07	0.79	1.86	1.71	5.00	2.79	1.50	0.07	13.79
SSE	0.0	0.50	1.00	1.86	3.86	0.93	0.43	0.0	6.58
S	0.07	0.43	0.86	1.57	1.36	1.00	0.57	0.0	5.86
SSW	0.14	0.0	0.64	0.21	0.93	1.21	0.21	0.0	3.34
SW	0.0	0.43	0.57	0.21	0.71	1.36	0.21	0.0	3.49
WSW	0.07	0.21	0.29	0.29	0.57	0.21	0.0	0.0	1.64
W	0.0	0.14	0.29	0.43	0.93	0.36	0.0	0.0	2.15
WNW	0.0	0.14	0.07	0.64	0.93	0.43	0.14	0.0	2.35
WW	0.07	0.29	0.64	0.50	1.50	1.57	0.50	0.0	5.07
WNW	0.0	0.29	0.57	0.79	2.64	2.57	0.07	0.07	7.60

SUBTOTAL 0.63 5.44 9.93 12.56 35.72 26.51 8.70 0.49 99.98

CALM = 0.0

1400 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 97.22 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

1.51

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T. > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74.75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.07	0.0	0.0	0.0	0.22	0.0	0.0	0.29
NNE	0.0	0.0	0.0	0.0	0.15	0.58	0.07	0.0	0.80
NE	0.0	0.0	0.0	0.0	0.15	0.37	0.37	0.0	0.89
ENE	0.0	0.07	0.0	0.0	0.0	0.15	0.37	0.0	0.59
E	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
ESE	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
SE	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SSE	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
S	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.15
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.15
SUBTOTAL	0.0	0.29	0.15	0.14	0.51	1.46	0.81	0.0	3.36

CALM = 0.0

46 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

46 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 46 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
 1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.4-1.4	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	
N	0.0	0.0	0.15	0.0	0.0	0.22	0.22	0.0	0.59
NNE	0.0	0.07	0.0	0.0	0.51	0.73	0.51	0.07	1.89
NE	0.0	0.0	0.0	0.0	0.51	0.95	0.37	0.0	1.83
ENE	0.07	0.0	0.15	0.22	0.29	0.29	0.07	0.0	1.09
E	0.0	0.0	0.0	0.07	0.15	0.22	0.0	0.0	0.44
ESE	0.0	0.07	0.0	0.15	0.22	0.15	0.0	0.0	0.59
SE	0.0	0.0	0.0	0.07	0.95	0.29	0.0	0.0	1.31
SSE	0.0	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.95
S	0.07	0.0	0.07	0.0	0.0	0.15	0.0	0.0	0.29
SSW	0.07	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.22
SW	0.0	0.07	0.0	0.0	0.0	0.15	0.0	0.0	0.22
WSW	0.0	0.15	0.0	0.22	0.22	0.0	0.0	0.0	0.59
W	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
NW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NNW	0.0	0.07	0.0	0.0	0.0	0.37	0.0	0.0	0.44
SUBTOTAL	0.21	0.43	0.37	0.80	4.01	3.67	1.17	0.07	10.73

CALC = 0.0

147 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

147 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 147 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5K DELTA-TK= 1.5 DEG C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. 17, 1951

WIND DIRECTION	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	0.0	0.22	0.15	0.44	1.17	0.66	0.51	0.15	3.30
NNE	0.0	0.29	0.29	0.51	1.61	1.97	1.32	0.15	6.14
NE	0.0	0.07	0.37	0.22	1.68	2.12	0.88	0.0	5.34
ENE	0.07	0.22	0.58	0.15	1.24	0.95	0.0	0.0	3.21
E	0.07	0.29	0.15	0.37	1.24	0.66	0.0	0.0	2.78
ESE	0.0	0.22	0.29	0.37	1.90	1.10	0.15	0.0	4.03
SE	0.07	0.29	0.73	0.73	2.27	1.54	0.80	0.0	6.43
SSE	0.0	0.15	0.58	1.02	2.34	0.37	0.0	0.0	4.46
S	0.0	0.15	0.51	0.95	0.58	0.37	0.22	0.0	2.78
SSW	0.07	0.0	0.37	0.15	0.22	0.88	0.15	0.0	1.84
SW	0.0	0.0	0.29	0.15	0.07	0.51	0.15	0.0	1.17
WSW	0.07	0.0	0.15	0.07	0.37	0.22	0.0	0.0	0.88
W	0.0	0.0	0.15	0.22	0.44	0.22	0.0	0.0	1.03
WNW	0.0	0.0	0.07	0.44	0.58	0.37	0.0	0.0	1.41
NW	0.07	0.07	0.22	0.0	0.66	1.24	0.44	0.0	2.70
NNW	0.0	0.07	0.44	0.66	1.68	0.95	0.07	0.07	3.94
SUBTOTAL	0.42	2.04	5.34	6.45	18.05	14.13	4.69	0.37	51.49

CALM = 0.0

706 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

706 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 706 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.15	0.29	1.32	0.66	0.37	0.0	2.79
NNE	0.0	0.29	0.22	0.51	2.49	1.90	0.0	0.0	5.41
NE	0.0	0.0	0.15	0.15	0.95	0.29	0.0	0.0	1.54
ENE	0.0	0.07	0.0	0.22	0.22	0.0	0.0	0.0	0.51
E	0.0	0.07	0.07	0.44	0.73	0.0	0.0	0.0	1.31
ESE	0.0	0.22	0.44	0.07	0.80	0.07	0.0	0.0	1.60
SE	0.0	0.51	1.02	0.95	1.83	0.95	0.73	0.07	6.00
SSE	0.0	0.37	0.37	0.80	0.58	0.58	0.44	0.0	3.14
S	0.0	0.29	0.29	0.58	0.73	0.51	0.37	0.0	2.77
SSW	0.0	0.0	0.07	0.0	0.66	0.22	0.07	0.0	1.02
Sh	0.0	0.37	0.29	0.07	0.51	0.73	0.07	0.0	2.04
NSW	0.0	0.07	0.15	0.0	0.0	0.0	0.0	0.0	0.22
W	0.0	0.15	0.15	0.07	0.0	0.15	0.0	0.0	0.50
WNW	0.0	0.15	0.0	0.15	0.22	0.07	0.15	0.0	0.74
NW	0.0	0.22	0.44	0.37	0.80	0.37	0.07	0.0	2.27
NNW	0.0	0.0	0.15	0.15	0.88	1.24	0.0	0.0	2.42
SUBTOTAL	0.0	2.78	3.96	4.82	12.72	7.74	2.27	0.07	34.36

CALC. = 0.0

470 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

470 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 470 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

256

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07

CALM = 0.0

1 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

1 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALC = 0.0

0 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

0 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 0 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

WIND PERCENTAGE FREQUENCIES BY WIND DIRECTION AND WIND SPEED
 FOR STABILITY CLASS A

STABILITY CLASS A
 DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

SEPT. (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4-1-4	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALM = 0.0

0 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1370 VALID TEMPERATURE DIFFERENCE READINGS

0 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 0 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.75 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
 FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)									TOTAL
	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		
N	0.0	0.54	0.34	0.61	0.61	0.41	0.14	0.0		2.65
NNE	0.0	0.20	0.27	0.41	1.01	0.27	0.20	0.0		2.36
NE	0.0	0.14	0.41	0.47	1.15	1.22	0.61	0.07		4.07
ENE	0.0	0.14	0.34	0.54	0.61	0.61	0.14	0.0		2.38
E	0.0	0.20	0.74	0.41	0.54	0.20	0.0	0.0		2.09
ESE	0.07	0.54	0.54	0.61	2.03	0.81	0.07	0.0		4.67
SE	0.07	0.74	2.09	2.23	6.01	4.39	0.68	0.14		16.35
SSE	0.07	0.88	2.23	3.38	5.47	2.09	0.07	0.0		14.15
S	0.14	1.76	2.23	1.96	5.07	2.03	0.14	0.0		13.33
SSW	0.07	0.68	0.95	1.42	3.11	1.42	0.20	0.07		7.92
SW	0.0	0.88	1.15	1.49	2.97	1.15	0.07	0.0		7.71
WSW	0.07	0.88	1.96	1.42	1.62	0.20	0.0	0.0		6.15
W	0.07	0.74	2.30	1.28	1.42	0.0	0.0	0.0		5.81
WNW	0.07	0.27	0.54	1.76	1.42	0.07	0.14	0.0		4.27
NW	0.0	0.20	1.08	1.01	1.35	0.14	0.07	0.0		3.84
NNW	0.0	0.27	0.27	0.20	0.95	0.34	0.14	0.0		2.17
SUBTOTAL	0.63	9.06	17.44	19.20	35.34	15.35	2.67	0.28		99.97
CALM =	0.14									

1460 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 99.46 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.07
NNE	0.0	0.0	0.0	0.07	0.0	0.0	0.07	0.0	0.14
NE	0.0	0.0	0.0	0.0	0.07	0.28	0.07	0.0	0.42
ENE	0.0	0.0	0.0	0.07	0.0	0.21	0.07	0.0	0.35
E	0.0	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.14
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14
SSW	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
SW	0.0	0.07	0.0	0.0	0.0	0.28	0.0	0.0	0.35
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.07	0.14	0.21	0.07	0.91	0.28	0.0	1.68

CALM = 0.0

24 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

24 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 24 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5K DELTA-TK= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	AUGUST (74,75)								TOTAL
	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	
N	0.0	0.14	0.07	0.0	0.0	0.21	0.0	0.0	0.42
NNE	0.0	0.0	0.0	0.14	0.07	0.14	0.07	0.0	0.42
NE	0.0	0.0	0.07	0.07	0.07	0.42	0.49	0.0	1.12
ENE	0.0	0.0	0.14	0.07	0.07	0.14	0.07	0.0	0.49
E	0.0	0.14	0.14	0.0	0.14	0.07	0.0	0.0	0.49
ESE	0.0	0.07	0.0	0.0	0.42	0.21	0.0	0.0	0.70
SE	0.0	0.0	0.07	0.21	0.63	0.21	0.0	0.0	1.12
SSE	0.0	0.0	0.21	0.14	0.14	0.0	0.0	0.0	0.49
S	0.07	0.0	0.21	0.14	0.0	0.07	0.0	0.0	0.49
SSW	0.0	0.07	0.14	0.0	0.14	0.28	0.07	0.0	0.70
SW	0.0	0.07	0.07	0.21	0.14	0.14	0.0	0.0	0.63
WSW	0.0	0.14	0.07	0.0	0.21	0.0	0.0	0.0	0.42
W	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
WNW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
NW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NNW	0.0	0.07	0.07	0.0	0.0	0.0	0.07	0.0	0.21
SUBTOTAL	0.07	0.84	1.33	0.98	2.03	1.89	0.77	0.0	7.91
CALC =	0.07								

114 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

114 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 114 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS "E"
-0.5 < DELTA-T <= 1.5 DEG. C/100M.....

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	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	0.0	0.21	0.07	0.21	0.07	0.14	0.07	0.0	0.77
NNE	0.0	0.14	0.14	0.07	0.63	0.14	0.07	0.0	1.19
NE	0.0	0.0	0.21	0.14	0.56	0.49	0.07	0.07	1.54
ENE	0.0	0.07	0.14	0.35	0.28	0.28	0.0	0.0	1.12
E	0.0	0.0	0.42	0.21	0.35	0.07	0.0	0.0	1.05
ESE	0.07	0.28	0.49	0.28	0.84	0.63	0.07	0.0	2.66
SE	0.07	0.35	0.98	0.91	2.80	1.68	0.14	0.0	6.43
SSE	0.07	0.42	1.26	2.03	2.10	0.63	0.0	0.0	6.41
S	0.07	0.70	0.56	0.63	1.75	0.84	0.07	0.0	4.62
SSW	0.07	0.28	0.49	0.42	1.05	0.21	0.0	0.07	2.59
SW	0.0	0.28	0.49	0.70	0.70	0.35	0.0	0.0	2.52
WSW	0.0	0.21	0.77	0.28	0.70	0.21	0.0	0.0	2.17
W	0.0	0.28	0.84	0.0	0.56	0.0	0.0	0.0	1.68
WNW	0.07	0.14	0.14	0.84	0.42	0.0	0.14	0.0	1.75
NW	0.0	0.21	0.42	0.28	0.35	0.07	0.07	0.0	1.41
NNW	0.0	0.14	0.14	0.14	0.35	0.28	0.07	0.0	1.12
SUBTOTAL	0.42	3.71	7.56	7.49	13.51	6.02	0.77	0.14	39.62

CALM = 0.07

567 STABILITY CLASS E OCCURRENCES CUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

567 VALID WIND DIRECTION - WIND SPEED READINGS CUT OF TOTAL 567 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

WIND DIRECTION	AUGUST (74,75)								TOTAL
	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	
N	0.0	0.14	0.14	0.42	0.56	0.07	0.0	0.0	1.33
NNE	0.0	0.07	0.14	0.14	0.35	0.0	0.0	0.0	0.70
NE	0.0	0.14	0.07	0.28	0.49	0.07	0.0	0.0	1.05
ENE	0.0	0.07	0.0	0.07	0.28	0.0	0.0	0.0	0.42
E	0.0	0.07	0.21	0.14	0.0	0.0	0.0	0.0	0.42
ESE	0.0	0.21	0.07	0.35	0.84	0.0	0.0	0.0	1.47
SE	0.0	0.42	1.05	1.12	2.80	2.66	0.56	0.14	8.75
SSE	0.0	0.49	0.70	1.26	3.43	1.54	0.0	0.0	7.42
S	0.0	0.91	1.12	1.12	3.15	1.19	0.07	0.0	7.56
SSW	0.0	0.28	0.28	0.84	1.89	0.91	0.14	0.0	4.34
SW	0.0	0.49	0.63	0.49	1.89	0.14	0.07	0.0	3.71
WSW	0.0	0.56	0.84	1.05	0.77	0.0	0.0	0.0	3.22
W	0.07	0.21	1.40	1.26	0.84	0.0	0.0	0.0	3.78
WNW	0.0	0.07	0.42	0.98	1.05	0.07	0.0	0.0	2.59
NW	0.0	0.0	0.63	0.77	1.05	0.07	0.0	0.0	2.52
NNW	0.0	0.07	0.07	0.07	0.63	0.07	0.0	0.0	0.91
SUBTOTAL	0.07	4.20	7.77	10.36	20.02	6.79	0.84	0.14	50.19

CALH = 0.0

717 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

717 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 717 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALH TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7< DELTA-T<=-1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
W	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.07	0.07	0.0	0.07	0.0	0.0	0.0	0.21

CALC = 0.0

3 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

3 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 3 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS B
-1.9 < DELTA-T <= -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.14

CALM = 0.0

2 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

2 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 2 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

WIND PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

AUGUST (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07

CALC = 0.0

1 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1428 VALID TEMPERATURE DIFFERENCE READINGS

1 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND SPEED (MPH)

WIND DIRECTION	0-4=1.4	4-7=3.4	7-10=5.4	10-14=7.4	14-18=12.4	18-24=18.4	24-30=24.4	≥30=24.5	TOTAL
N	0.0	0.07	0.48	0.89	1.77	0.75	0.20	0.0	4.16
NNE	0.0	0.27	1.02	0.61	1.29	1.43	0.07	0.0	4.69
NE	0.0	0.48	0.95	0.61	1.77	0.89	0.14	0.0	4.84
ENE	0.0	0.07	0.41	0.48	1.43	0.68	0.07	0.0	3.14
E	0.0	0.34	0.54	0.48	1.43	0.75	0.0	0.0	3.54
ESE	0.07	0.27	0.48	0.54	1.50	1.09	1.16	0.07	5.18
SE	0.0	0.82	1.98	1.63	3.34	1.09	0.34	1.02	10.22
SSE	0.27	1.98	2.04	1.57	2.93	1.02	0.0	0.0	9.11
S	0.0	0.95	1.36	1.63	2.25	0.34	0.0	0.0	6.53
SSW	0.07	0.54	1.63	1.09	1.63	0.75	0.0	0.0	5.71
SW	0.0	1.23	1.98	1.09	2.59	0.48	0.0	0.0	7.37
WSW	0.07	0.61	2.45	1.23	1.84	0.07	0.0	0.0	6.27
W	0.14	0.48	2.04	1.91	2.59	0.34	0.0	0.0	7.50
WNW	0.0	0.20	1.23	2.11	3.27	0.41	0.0	0.0	7.22
NW	0.07	0.61	1.43	1.57	4.09	0.61	0.0	0.0	8.38
NNW	0.07	0.68	1.02	1.23	1.77	0.61	0.07	0.0	5.44
SUBTOTAL	0.76	9.60	21.04	18.67	35.49	11.31	2.05	1.00	100.01
CALM =	0.0								

1468 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 98.66 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

287

WIND PERCENTAGE FREQUENCIES BY WIND DIRECTION AND WIND SPEED
 FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
 DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6=1-6	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	
N	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.0	0.07	0.21	0.0	0.0	0.28
NE	0.0	0.0	0.0	0.0	0.14	0.35	0.0	0.0	0.49
ENE	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.14
E	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.21
ESE	0.0	0.0	0.0	0.07	0.21	0.0	0.0	0.0	0.28
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.14
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
SUBTOTAL	0.0	0.0	0.0	0.07	0.70	0.91	0.0	0.0	1.68
CALM =	0.0								

24 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

24 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 24 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
 1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	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	ILCL
N	0.0	0.0	0.0	0.14	0.0	0.35	0.0	0.0	0.49
NNE	0.0	0.0	0.0	0.07	0.56	0.42	0.0	0.0	1.03
NE	0.0	0.0	0.07	0.0	0.35	0.49	0.07	0.0	0.92
ENE	0.0	0.0	0.0	0.07	0.28	0.07	0.0	0.0	0.42
E	0.0	0.0	0.14	0.07	0.28	0.07	0.0	0.0	0.54
ESE	0.0	0.07	0.07	0.07	0.28	0.28	0.07	0.0	0.84
SE	0.0	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.21
SSE	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
S	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SSW	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.42
SW	0.0	0.0	0.0	0.0	0.35	0.14	0.0	0.0	0.44
WSW	0.0	0.07	0.07	0.07	0.14	0.0	0.0	0.0	0.35
W	0.0	0.07	0.14	0.0	0.14	0.0	0.0	0.0	0.35
WNW	0.0	0.07	0.0	0.07	0.07	0.0	0.0	0.0	0.21
NW	0.07	0.07	0.0	0.07	0.14	0.0	0.0	0.0	0.35
NNW	0.0	0.0	0.07	0.14	0.28	0.07	0.0	0.0	0.56
SUBTOTAL	0.07	0.35	0.70	0.91	3.01	2.31	0.14	0.0	7.49

CALC = 0.0

107 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

107 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 107 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-16.4	18.5-24.4	>24.5	
N	0.0	0.07	0.28	0.63	1.40	0.35	0.21	0.0	2.93
NNE	0.0	0.14	0.42	0.21	0.28	0.56	0.07	0.0	1.98
NE	0.0	0.21	0.35	0.28	0.70	0.07	0.07	0.0	1.66
ENE	0.0	0.07	0.35	0.35	1.19	0.49	0.07	0.0	2.52
E	0.0	0.35	0.28	0.28	0.63	0.42	0.0	0.0	1.91
ESE	0.07	1.0	0.35	0.21	0.35	0.70	0.84	0.07	2.59
SE	0.0	0.28	0.70	0.77	1.47	0.70	0.21	0.28	4.41
SSE	0.28	0.77	1.12	0.77	1.47	0.84	0.0	0.0	5.25
S	0.0	0.77	1.12	0.91	1.05	0.21	0.0	0.0	4.86
SSW	0.07	0.42	1.12	0.64	0.98	0.07	0.0	0.0	3.90
SW	0.0	0.42	0.28	0.70	0.84	0.14	0.0	0.0	2.38
WSW	0.07	0.35	0.77	0.63	0.84	0.07	0.0	0.0	2.73
W	0.14	0.28	0.70	0.91	1.54	0.28	0.0	0.0	3.85
WNW	0.0	0.07	0.91	0.98	1.96	0.0	0.0	0.0	3.72
NW	0.0	0.35	0.98	0.77	1.62	0.28	0.0	0.0	4.70
NNW	0.07	0.63	0.35	0.56	0.70	0.28	0.0	0.0	2.59
SUBTOTAL	0.70	5.18	10.08	9.80	17.22	5.46	1.47	0.35	50.26
CALM*	0.0								

719 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

718 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 719 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND,
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74, 75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4=1-4	4-5=3-4	5-5=5-4	5-5=7-4	7-5=12-4	12-5=18-4	18-5=24-4	>24-5	
N	0.0	0.0	0.21	0.14	0.42	0.0	0.0	0.0	0.77
NNE	0.0	0.14	0.63	0.35	0.42	0.28	0.0	0.0	1.82
NE	0.0	0.28	0.49	0.35	0.63	0.0	0.0	0.0	1.75
ENE	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
E	0.0	0.0	0.14	0.07	0.28	0.0	0.0	0.0	0.49
ESE	0.0	0.21	0.07	0.21	0.63	0.07	0.14	0.0	1.33
SE	0.0	0.49	1.26	0.84	1.89	0.35	0.14	0.77	5.78
SSE	0.0	1.19	0.98	0.77	1.33	0.21	0.0	0.0	4.48
S	0.0	0.14	0.14	0.63	0.98	0.14	0.0	0.0	2.03
SSW	0.0	0.07	0.56	0.21	0.56	0.14	0.0	0.0	1.54
SW	0.0	0.77	1.54	0.42	1.33	0.21	0.0	0.0	4.27
WSW	0.0	0.21	1.40	0.42	0.84	0.0	0.0	0.0	2.87
W	0.0	0.14	1.12	0.91	0.84	0.07	0.0	0.0	3.08
WNW	0.0	0.07	0.35	1.12	1.33	0.35	0.0	0.0	3.22
NW	0.0	0.21	0.49	0.70	2.10	0.35	0.0	0.0	3.84
NNW	0.0	0.07	0.63	0.56	0.70	0.28	0.07	0.0	2.31
SUBTOTAL	0.0	3.90	10.08	7.77	14.28	2.45	0.35	0.77	39.60

CALM = 0.0

571 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

567 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 571 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T <= -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (76,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-6-14	1-5-3-4	3-5-5-4	5-5-7-4	7-5-12-4	12-5-18-4	16-5-24-4	≥24-5	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.21
WSW	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.0	0.14
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.14	0.28	0.07	0.07	0.0	0.0	0.0	0.56

CALM = 0.0

* STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

* VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 8 STABILITY CLASS C OCCURRENCES

* ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

* METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
CALC =	0.0								

* STABILITY CLASS B OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

† VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL † STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

* METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

10/11

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
DELTA T < -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JULY (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.07

CALM = 0.0

1 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 1431 VALID TEMPERATURE DIFFERENCE READINGS

1 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.29	0.22	0.73	1.17	2.70	0.44	0.0	5.55
NNE	0.0	0.22	0.22	0.80	2.84	2.26	1.02	0.07	7.43
NE	0.0	0.22	0.44	0.44	1.46	1.60	0.51	0.0	4.67
ENE	0.0	0.07	0.22	0.66	0.73	0.73	0.22	0.0	2.63
E	0.0	0.0	0.51	0.29	0.73	0.0	0.0	0.0	1.53
ESE	0.0	0.15	0.44	0.51	0.36	1.75	0.36	0.07	3.64
SE	0.07	0.44	0.88	0.66	2.55	3.57	2.63	0.0	10.80
SSE	0.0	0.66	1.02	0.66	2.04	2.04	1.97	0.07	8.46
S	0.0	0.29	1.02	1.75	2.70	2.41	1.17	0.22	9.56
SSW	0.0	0.22	0.88	0.44	2.12	1.46	0.58	0.15	5.85
SW	0.07	0.44	0.51	0.73	2.41	4.23	0.51	0.07	8.97
WSW	0.0	0.29	1.24	0.80	2.26	1.90	0.58	0.07	7.14
W	0.0	0.36	0.80	1.17	2.92	1.53	0.22	0.07	7.07
WNW	0.0	0.07	0.44	1.31	1.53	1.09	0.15	0.0	4.59
NW	0.0	0.29	0.73	1.90	2.92	1.53	0.22	0.0	7.59
NNW	0.0	0.29	0.36	0.95	1.90	1.02	0.0	0.0	4.52

SUBTOTAL 0.14 4.30 9.93 13.80 30.64 29.82 10.58 0.79 100.00

CALM = 0.0

1371 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1440 TOTAL HOURS = 95.21 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JUNE (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.6-1.6	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.38
NE	0.0	0.0	0.0	0.0	0.0	0.15	0.38	0.0	0.53
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.08
WSW	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.16	0.23	0.76	0.0	1.15

CALC = 0.0

15 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1324 VALID TEMPERATURE DIFFERENCE READINGS

15 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 15 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

FREQUENCY DISTRIBUTION

DATE PRINTED 05/10/76

HUNTSVILLE, ALABAMA

JAN 1, 68-DEC 31, 73

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.001145	0.004277	0.017108	0.019902	0.002338	0.000057	0.044827
NNE	0.000562	0.002965	0.009181	0.007641	0.000399	0.0	0.020749
NE	0.000669	0.003250	0.005474	0.002851	0.000114	0.0	0.012359
ENE	0.001437	0.003593	0.003365	0.000798	0.000057	0.0	0.009250
E	0.002166	0.008155	0.007584	0.002851	0.000456	0.0	0.021213
ESE	0.002296	0.007698	0.015625	0.013401	0.001654	0.000342	0.041016
SE	0.001978	0.007755	0.016081	0.014998	0.002452	0.000399	0.043663
SSE	0.001631	0.006273	0.012660	0.008668	0.001141	0.000171	0.030543
S	0.002025	0.007185	0.017564	0.012717	0.001711	0.000171	0.041373
SSW	0.000801	0.003707	0.006786	0.008839	0.001369	0.000114	0.021615
SW	0.000618	0.002452	0.007584	0.006159	0.000969	0.0	0.017783
WSW	0.000792	0.003650	0.005303	0.005303	0.001198	0.000171	0.016417
W	0.000840	0.003079	0.007356	0.009865	0.002908	0.000570	0.024620
WNW	0.001038	0.003992	0.007014	0.013230	0.003479	0.000456	0.029209
NW	0.000980	0.003593	0.008782	0.011462	0.003650	0.000228	0.028694
NNW	0.000637	0.003479	0.008098	0.010607	0.002110	0.000228	0.025158
TOTAL	0.019617	0.075103	0.155565	0.149293	0.026004	0.002908	

FREQUENCY OF OCCURRENCE OF D STABILITY = 0.428490

FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH D STABILITY = 0.012032

NOTE-STAR PROGRAM

FREQUENCY DISTRIBUTION

DATE PRINTED 05/10/76

HUNTSVILLE, ALABAMA

JAN 1, 68-DEC 31, 73

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.000424	0.001369	0.005760	0.000969	0.000057	0.0	0.008578
NNE	0.000350	0.001083	0.003764	0.000855	0.0	0.0	0.006053
NE	0.000350	0.001083	0.002338	0.000513	0.0	0.0	0.004285
ENE	0.001012	0.001426	0.001996	0.000171	0.0	0.0	0.004604
E	0.001993	0.002452	0.003307	0.000399	0.0	0.0	0.008152
ESE	0.002056	0.003536	0.004334	0.000741	0.000057	0.0	0.010724
SE	0.001478	0.002680	0.004961	0.000798	0.0	0.0	0.009918
SSE	0.001449	0.002566	0.003136	0.000513	0.0	0.0	0.007664
S	0.001625	0.003250	0.004790	0.001255	0.000114	0.0	0.011034
SSW	0.000492	0.000798	0.003422	0.000912	0.0	0.000057	0.005681
SW	0.000552	0.001312	0.004277	0.000684	0.000171	0.0	0.006996
WSW	0.000451	0.001198	0.004163	0.001198	0.000057	0.0	0.007066
W	0.000481	0.001312	0.004562	0.001654	0.000114	0.0	0.008122
WNW	0.000624	0.001312	0.003422	0.000855	0.000057	0.0	0.006270
NW	0.000626	0.001597	0.002908	0.000399	0.000057	0.0	0.005587
NNW	0.000407	0.001026	0.002851	0.000570	0.000057	0.0	0.004912
TOTAL	0.014370	0.028000	0.059991	0.012489	0.000741	0.000057	

FREQUENCY OF OCCURRENCE OF C STABILITY = 0.115648

FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH C STABILITY = 0.00668

NOTE-STAR PROG

FREQUENCY DISTRIBUTION

DATE PRINTED 05/10/76

HUNTSVILLE, ALABAMA

JAN 1, 68-DEC 31, 73

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.001422	0.002110	0.001939	0.0	0.0	0.0	0.005471
NNE	0.000736	0.001597	0.001540	0.0	0.0	0.0	0.003872
NE	0.000489	0.001711	0.001083	0.0	0.0	0.0	0.003283
ENE	0.000784	0.001882	0.000741	0.0	0.0	0.0	0.003407
E	0.001489	0.002110	0.001312	0.0	0.0	0.0	0.004911
ESE	0.002052	0.002680	0.001255	0.0	0.0	0.0	0.005987
SE	0.001358	0.003307	0.001255	0.0	0.0	0.0	0.005920
SSE	0.001482	0.003250	0.001255	0.0	0.0	0.0	0.005987
S	0.001625	0.003307	0.001483	0.0	0.0	0.0	0.006415
SSW	0.000717	0.001483	0.000969	0.0	0.0	0.0	0.003169
SW	0.000775	0.002224	0.001483	0.0	0.0	0.0	0.004462
WSW	0.001642	0.002623	0.001882	0.0	0.0	0.0	0.006147
W	0.000556	0.002110	0.001939	0.0	0.0	0.0	0.004605
WNW	0.000708	0.001825	0.000798	0.0	0.0	0.0	0.003331
NW	0.001079	0.001654	0.001369	0.0	0.0	0.0	0.004101
NNW	0.000935	0.001198	0.000912	0.0	0.0	0.0	0.003045
TOTAL	0.017849	0.035071	0.021213	0.0	0.0	0.0	

FREQUENCY OF OCCURRENCE OF B STABILITY = 0.074133

FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH B STABILITY = 0.007641

NOTE - STAR PROGRAM

FREQUENCY DISTRIBUTION

DATE PRINTED 05/10/76

HUNTSVILLE, ALABAMA

JAN 1, 68-DEC 31, 73

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.000464	0.000228	0.0	0.0	0.0	0.0	0.000692
NNE	0.000524	0.000399	0.0	0.0	0.0	0.0	0.000923
NE	0.000464	0.000228	0.0	0.0	0.0	0.0	0.000692
ENE	0.000581	0.000342	0.0	0.0	0.0	0.0	0.000923
E	0.000407	0.000285	0.0	0.0	0.0	0.0	0.000692
ESE	0.000350	0.000342	0.0	0.0	0.0	0.0	0.000692
SE	0.000756	0.000513	0.0	0.0	0.0	0.0	0.001269
SSE	0.000349	0.000228	0.0	0.0	0.0	0.0	0.000577
S	0.000756	0.000513	0.0	0.0	0.0	0.0	0.001269
SSW	0.000524	0.000399	0.0	0.0	0.0	0.0	0.000923
SW	0.000813	0.000456	0.0	0.0	0.0	0.0	0.001269
WSW	0.000931	0.000684	0.0	0.0	0.0	0.0	0.001615
W	0.000698	0.000456	0.0	0.0	0.0	0.0	0.001154
WNW	0.000407	0.000285	0.0	0.0	0.0	0.0	0.000692
NW	0.000407	0.000285	0.0	0.0	0.0	0.0	0.000692
NNW	0.000523	0.000285	0.0	0.0	0.0	0.0	0.000808
TOTAL	0.008953	0.005931	0.0	0.0	0.0	0.0	

FREQUENCY OF OCCURRENCE OF A STABILITY = 0.014884

FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH A STABILITY = 0.00527

NOTE-STAR PROGR



Table 5-6

Joint Frequency Distributions
Wind Direction and Wind Speed
by Stability Class - Annual
Huntsville, Alabama - 1968-1973

FREQUENCY DISTRIBUTION OF WIND SPEED
FOR ALL WIND DIRECTIONS

DATE PRINTED 05/06/76

HUNTSVILLE, ALABAMA

JAN 1, 74-DEC 31, 75

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.009307	0.023801	0.030137	0.018322	0.001541	0.0	0.083108
NNE	0.007196	0.014555	0.014041	0.005479	0.000342	0.0	0.041614
NE	0.009092	0.017123	0.009247	0.003253	0.000171	0.0	0.038887
ENE	0.015931	0.020034	0.005308	0.000685	0.0	0.0	0.041958
E	0.028522	0.048801	0.012158	0.002226	0.0	0.0	0.091707
ESE	0.024570	0.042295	0.030137	0.007705	0.002568	0.000342	0.107618
SE	0.017008	0.036130	0.024829	0.011815	0.001884	0.000685	0.092351
SSE	0.013488	0.022260	0.020719	0.009075	0.001027	0.000342	0.066913
S	0.013615	0.026712	0.031164	0.017808	0.003253	0.001199	0.093752
SSW	0.004417	0.011130	0.014041	0.012842	0.003253	0.000514	0.046198
SW	0.007641	0.013014	0.014212	0.009932	0.001541	0.000171	0.046510
WSW	0.004659	0.012329	0.013527	0.005993	0.001370	0.000685	0.038563
W	0.012369	0.018836	0.015240	0.009589	0.002397	0.001541	0.059972
WNW	0.005180	0.015068	0.015240	0.010274	0.003425	0.000171	0.049358
NW	0.005989	0.015582	0.015753	0.012158	0.001712	0.000171	0.051366
NNW	0.007659	0.013014	0.015068	0.012500	0.001884	0.0	0.050125
TOTAL	0.186644	0.350685	0.280822	0.149657	0.026370	0.005822	

FREQUENCY OF CALMS DISTRIBUTED ABOVE (ALL STABILITY CLASSES) = 0.114212

NOTE-STAR PROGRAM

5/1/76

FREQUENCY DISTRIBUTION

DATE PRINTED 05/08/76

HUNTSVILLE, ALABAMA

JAN 1, 74-DEC 31, 75

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.003386	0.0	0.0	0.0	0.0	0.0	0.003386
NNE	0.002902	0.0	0.0	0.0	0.0	0.0	0.002902
NE	0.004353	0.0	0.0	0.0	0.0	0.0	0.004353
ENE	0.009190	0.0	0.0	0.0	0.0	0.0	0.009190
E	0.017897	0.0	0.0	0.0	0.0	0.0	0.017897
ESE	0.013060	0.0	0.0	0.0	0.0	0.0	0.013060
SE	0.007256	0.0	0.0	0.0	0.0	0.0	0.007256
SSE	0.006288	0.0	0.0	0.0	0.0	0.0	0.006288
S	0.005321	0.0	0.0	0.0	0.0	0.0	0.005321
SSW	0.001451	0.0	0.0	0.0	0.0	0.0	0.001451
SW	0.002419	0.0	0.0	0.0	0.0	0.0	0.002419
WSW	0.001451	0.0	0.0	0.0	0.0	0.0	0.001451
W	0.004353	0.0	0.0	0.0	0.0	0.0	0.004353
WNW	0.000967	0.0	0.0	0.0	0.0	0.0	0.000967
NW	0.001935	0.0	0.0	0.0	0.0	0.0	0.001935
NNW	0.003386	0.0	0.0	0.0	0.0	0.0	0.003386
TOTAL	0.085616	0.0	0.0	0.0	0.0	0.0	

FREQUENCY OF OCCURRENCE OF G STABILITY = 0.085616

FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH G STABILITY = 0.055308

NOTE-STAR PROGRAM

FREQUENCY DISTRIBUTION

DATE PRINTED 05/08/76

HUNTSVILLE, ALABAMA

JAN 1, 74-DEC 31, 75

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.001634	0.009247	0.0	0.0	0.0	0.0	0.010881
NNE	0.001392	0.005137	0.0	0.0	0.0	0.0	0.006529
NE	0.001049	0.005479	0.0	0.0	0.0	0.0	0.006529
ENE	0.002757	0.010103	0.0	0.0	0.0	0.0	0.012859
E	0.004778	0.023116	0.0	0.0	0.0	0.0	0.027895
ESE	0.004414	0.016952	0.0	0.0	0.0	0.0	0.021366
SE	0.004107	0.013699	0.0	0.0	0.0	0.0	0.017805
SSE	0.002635	0.008048	0.0	0.0	0.0	0.0	0.010683
S	0.001947	0.006164	0.0	0.0	0.0	0.0	0.008111
SSW	0.000703	0.003253	0.0	0.0	0.0	0.0	0.003957
SW	0.000715	0.002055	0.0	0.0	0.0	0.0	0.002770
WSW	0.000954	0.003596	0.0	0.0	0.0	0.0	0.004550
W	0.001430	0.004110	0.0	0.0	0.0	0.0	0.005539
WNW	0.001220	0.005308	0.0	0.0	0.0	0.0	0.006529
NW	0.001433	0.006678	0.0	0.0	0.0	0.0	0.008111
NNW	0.001023	0.005308	0.0	0.0	0.0	0.0	0.006331
TOTAL	0.032192	0.128253	0.0	0.0	0.0	0.0	

FREQUENCY OF OCCURRENCE OF F STABILITY = 0.160445

FREQUENCY OF CALHS DISTRIBUTED ABOVE WITH F STABILITY = 0.021575

NOTE-STAR PROGRAM

FREQUENCY DISTRIBUTION

DATE PRINTED 05/08/76

HUNTSVILLE, ALABAMA

JAN 1, 74-DEC 31, 75

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.0	0.004795	0.006507	0.0	0.0	0.0	0.011301
NNE	0.0	0.002226	0.004281	0.0	0.0	0.0	0.006507
NE	0.0	0.003082	0.003253	0.0	0.0	0.0	0.006336
ENE	0.0	0.003253	0.000514	0.0	0.0	0.0	0.003767
E	0.0	0.012329	0.001370	0.0	0.0	0.0	0.013699
ESE	0.0	0.010616	0.003767	0.0	0.0	0.0	0.014384
SE	0.0	0.007192	0.003253	0.0	0.0	0.0	0.010445
SSE	0.0	0.004795	0.003253	0.0	0.0	0.0	0.008048
S	0.0	0.006164	0.004966	0.0	0.0	0.0	0.011130
SSW	0.0	0.001370	0.002740	0.0	0.0	0.0	0.004110
SW	0.0	0.001199	0.001027	0.0	0.0	0.0	0.002226
WSW	0.0	0.001884	0.001712	0.0	0.0	0.0	0.003596
W	0.0	0.003082	0.002911	0.0	0.0	0.0	0.005993
WNW	0.0	0.001712	0.002911	0.0	0.0	0.0	0.004623
NW	0.0	0.002226	0.002226	0.0	0.0	0.0	0.004452
NNW	0.0	0.003082	0.003425	0.0	0.0	0.0	0.006507
TOTAL	0.0	0.069007	0.048116	0.0	0.0	0.0	

FREQUENCY OF OCCURRENCE OF E STABILITY = 0.117123

FREQUENCY OF CALS DISTRIBUTED ABOVE WITH E STABILITY = 0.0

NOTE-STAR PROGRAM

FREQUENCY DISTRIBUTION

DATE PRINTED 05/08/76

HUNTSVILLE, ALABAMA

JAN 1, 74-DEC 31, 75

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.001451	0.005308	0.015753	0.016267	0.001370	0.0	0.040150
NNE	0.001230	0.003938	0.006849	0.005308	0.000342	0.0	0.017669
NE	0.001313	0.004452	0.004281	0.002397	0.000171	0.0	0.012615
ENE	0.001512	0.004452	0.002397	0.000685	0.0	0.0	0.009046
E	0.002207	0.007534	0.008390	0.002226	0.0	0.0	0.020358
ESE	0.002510	0.009418	0.019349	0.007363	0.002568	0.000342	0.041551
SE	0.002632	0.007705	0.016438	0.011473	0.001712	0.000685	0.040646
SSE	0.002959	0.004795	0.011815	0.008733	0.001027	0.000342	0.029671
S	0.002742	0.008390	0.016952	0.016610	0.003253	0.001199	0.049147
SSW	0.000469	0.002911	0.006507	0.011986	0.003253	0.000514	0.025640
SW	0.001170	0.004795	0.006678	0.008904	0.001370	0.000171	0.023087
WSW	0.000949	0.003425	0.005651	0.005137	0.001370	0.000685	0.017216
W	0.002213	0.006336	0.005993	0.009247	0.002226	0.001541	0.027555
WNW	0.001004	0.003767	0.007877	0.009589	0.003253	0.000171	0.025662
NW	0.001114	0.004452	0.008733	0.011130	0.001712	0.000171	0.027313
NNW	0.001236	0.002740	0.009418	0.012158	0.001712	0.0	0.027264
TOTAL	0.026712	0.084418	0.153082	0.139212	0.025342	0.005822	

FREQUENCY OF OCCURRENCE OF D STABILITY = 0.434589

FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH D STABILITY = 0.015411

NOTE-STAR PROGRAM

FREQUENCY DISTRIBUTION

DATE PRINTED 05/08/76

HUNTSVILLE, ALABAMA

JAN. 1, 74-DEC 31, 75

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.000605	0.001884	0.006164	0.002055	0.000171	0.0	0.010879
NNE	0.000253	0.001199	0.001884	0.000171	0.0	0.0	0.003506
NE	0.000352	0.000685	0.001370	0.000856	0.0	0.0	0.003263
ENE	0.000487	0.000342	0.001884	0.0	0.0	0.0	0.002713
E	0.001760	0.003425	0.001199	0.0	0.0	0.0	0.006383
ESE	0.002201	0.002568	0.005479	0.000342	0.0	0.0	0.010591
SE	0.001012	0.004795	0.004281	0.000342	0.000171	0.0	0.010601
SSE	0.000434	0.002055	0.004281	0.000342	0.0	0.0	0.007112
S	0.000641	0.002055	0.006336	0.001199	0.0	0.0	0.010230
SSW	0.000424	0.001027	0.003938	0.000856	0.0	0.0	0.006246
SW	0.000496	0.001370	0.004966	0.001027	0.000171	0.0	0.008031
WSW	0.000641	0.002055	0.004110	0.000856	0.0	0.0	0.007662
W	0.000957	0.002568	0.004281	0.000342	0.000171	0.0	0.008320
WNW	0.000749	0.002568	0.002568	0.000685	0.000171	0.0	0.006743
NW	0.000523	0.000514	0.003253	0.001027	0.0	0.0	0.005318
NNW	0.000280	0.000342	0.001884	0.000342	0.000171	0.0	0.003019
TOTAL	0.011815	0.029452	0.057877	0.010445	0.001027	0.0	

FREQUENCY OF OCCURRENCE OF C STABILITY = 0.110616

FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH C STABILITY = 0.007192

NOTE-STAR PROGRAM

FREQUENCY DISTRIBUTION

DATE PRINTED 05/08/76

HUNTSVILLE, ALABAMA

JAN 1, 74-DEC 31, 75

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.001581	0.002568	0.001712	0.0	0.0	0.0	0.005861
NNE	0.000803	0.001370	0.001027	0.0	0.0	0.0	0.003201
NE	0.001409	0.002740	0.000342	0.0	0.0	0.0	0.004492
ENE	0.001199	0.001370	0.000514	0.0	0.0	0.0	0.003082
E	0.001726	0.002226	0.001199	0.0	0.0	0.0	0.005150
ESE	0.001923	0.002226	0.001541	0.0	0.0	0.0	0.005690
SE	0.002002	0.002740	0.000856	0.0	0.0	0.0	0.005598
SSE	0.000711	0.002055	0.001370	0.0	0.0	0.0	0.004136
S	0.002160	0.003767	0.002911	0.0	0.0	0.0	0.008838
SSW	0.000566	0.002397	0.000856	0.0	0.0	0.0	0.003820
SW	0.002055	0.003082	0.001541	0.0	0.0	0.0	0.006678
WSW	0.000356	0.001027	0.002055	0.0	0.0	0.0	0.003438
W	0.001673	0.001884	0.002055	0.0	0.0	0.0	0.005611
WNW	0.000777	0.001199	0.001884	0.0	0.0	0.0	0.003859
NW	0.000830	0.001541	0.001541	0.0	0.0	0.0	0.003912
NNW	0.000777	0.001199	0.000342	0.0	0.0	0.0	0.002318
TOTAL	0.020548	0.033390	0.021747	0.0	0.0	0.0	

FREQUENCY OF OCCURRENCE OF B STABILITY = 0.075685

FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH B STABILITY = 0.007192

NOTE-STAR PROGRAM

FREQUENCY DISTRIBUTION

DATE PRINTED 05/08/76

HUNTSVILLE, ALABAMA

JAN 1, 74-DEC 31, 75

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.000650	0.0	0.0	0.0	0.0	0.0	0.000650
NNE	0.000615	0.000685	0.0	0.0	0.0	0.0	0.001300
NE	0.000615	0.000685	0.0	0.0	0.0	0.0	0.001300
ENE	0.000786	0.000514	0.0	0.0	0.0	0.0	0.001300
E	0.000154	0.000171	0.0	0.0	0.0	0.0	0.000325
ESE	0.000461	0.000514	0.0	0.0	0.0	0.0	0.000975
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.000461	0.000514	0.0	0.0	0.0	0.0	0.000975
S	0.000804	0.000171	0.0	0.0	0.0	0.0	0.000975
SSW	0.000804	0.000171	0.0	0.0	0.0	0.0	0.000975
SW	0.000786	0.000514	0.0	0.0	0.0	0.0	0.001300
WSW	0.000308	0.000342	0.0	0.0	0.0	0.0	0.000650
W	0.001744	0.000856	0.0	0.0	0.0	0.0	0.002600
WNW	0.000461	0.000514	0.0	0.0	0.0	0.0	0.000975
NW	0.000154	0.000171	0.0	0.0	0.0	0.0	0.000325
NNW	0.000958	0.000342	0.0	0.0	0.0	0.0	0.001300
TOTAL	0.009760	0.006164	0.0	0.0	0.0	0.0	

FREQUENCY OF OCCURRENCE OF A STABILITY = 0.015925

FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH A STABILITY = 0.007534

NOTE-STAR PROGRAM



Table 5-5

Joint Frequency Distributions
Wind Direction and Wind Speed
by Stability Class - Annual
Huntsville, Alabama - 1974-1975

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4-1.4	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	
N	0.02	0.23	0.29	0.46	1.71	1.96	0.51	0.02	5.20
NE	0.03	0.24	0.38	0.56	2.06	2.36	0.60	0.07	6.30
E	0.01	0.15	0.40	0.49	1.80	1.83	0.50	0.03	5.21
ESE	0.03	0.15	0.36	0.46	1.25	0.85	0.21	0.01	3.32
E	0.01	0.23	0.49	0.51	1.02	0.37	0.04	0.0	2.67
ESE	0.03	0.34	0.53	0.58	1.62	1.12	0.29	0.05	4.56
SE	0.04	0.56	1.19	1.33	3.63	2.74	1.39	0.56	11.44
SSE	0.08	0.64	0.99	1.22	3.11	2.66	1.24	0.67	10.61
S	0.03	0.48	0.83	1.04	2.74	2.69	1.08	0.74	9.63
SSW	0.03	0.40	0.63	0.56	2.17	2.71	1.42	0.50	8.42
S	0.04	0.49	0.63	0.67	1.77	1.88	0.67	0.20	6.35
WSW	0.02	0.37	0.90	0.66	1.20	0.87	0.27	0.23	4.52
W	0.03	0.27	0.77	0.74	1.36	0.84	0.43	0.28	4.72
WNE	0.03	0.18	0.42	0.89	1.39	0.90	0.42	0.26	4.40
W	0.02	0.31	0.70	0.84	2.08	1.50	0.85	0.27	6.57
WNW	0.03	0.23	0.47	0.53	1.54	2.27	0.71	0.09	5.67
SUBTOTAL	0.46	5.27	9.98	11.54	30.45	27.55	10.63	3.98	99.58
CALM =	0.11								

16950 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 17520 TOTAL HOURS = 96.18 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4=1.4	4.5-9.4	9.5-14.4	14.5-19.4	19.5-24.4	24.5-29.4	29.5-34.4	≥34.5	
N	0.01	0.01	0.0	0.01	0.02	0.02	0.01	0.0	0.08
NNE	0.0	0.01	0.0	0.01	0.05	0.12	0.07	0.02	0.28
NE	0.0	0.01	0.0	0.02	0.08	0.15	0.07	0.01	0.34
ENE	0.0	0.02	0.0	0.02	0.04	0.07	0.04	0.0	0.19
E	0.0	0.02	0.0	0.03	0.04	0.02	0.0	0.0	0.11
ESE	0.01	0.02	0.02	0.04	0.11	0.04	0.0	0.0	0.24
SE	0.0	0.04	0.03	0.04	0.13	0.06	0.01	0.0	0.31
SSE	0.01	0.02	0.02	0.01	0.14	0.04	0.0	0.0	0.24
S	0.0	0.01	0.02	0.03	0.06	0.09	0.0	0.0	0.21
SSW	0.0	0.02	0.02	0.02	0.05	0.10	0.02	0.0	0.23
SW	0.01	0.02	0.01	0.02	0.05	0.08	0.02	0.01	0.22
WSW	0.0	0.01	0.0	0.02	0.03	0.01	0.0	0.0	0.07
W	0.0	0.01	0.02	0.01	0.01	0.0	0.0	0.0	0.05
WNW	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.02
NW	0.0	0.01	0.01	0.01	0.01	0.0	0.0	0.0	0.04
NNW	0.0	0.01	0.03	0.0	0.04	0.01	0.0	0.0	0.09
SUBTOTAL	0.05	0.24	0.19	0.29	0.86	0.81	0.24	0.04	2.72
CALM =	0.0								

446 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 16431 VALID TEMPERATURE DIFFERENCE READINGS

444 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 446 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 < DELTA-T <= 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.04	0.03	0.04	0.06	0.13	0.06	0.0	0.36
NNE	0.0	0.02	0.01	0.03	0.15	0.22	0.15	0.02	0.60
NE	0.0	0.01	0.04	0.04	0.12	0.32	0.13	0.0	0.66
ENE	0.01	0.02	0.05	0.06	0.22	0.18	0.04	0.0	0.58
E	0.0	0.02	0.10	0.05	0.22	0.09	0.01	0.0	0.49
ESE	0.01	0.05	0.06	0.06	0.16	0.21	0.02	0.0	0.59
SE	0.0	0.04	0.07	0.12	0.47	0.42	0.07	0.0	1.19
SSE	0.01	0.04	0.04	0.07	0.37	0.26	0.02	0.0	0.81
S	0.02	0.04	0.07	0.12	0.37	0.24	0.06	0.0	0.91
SSW	0.01	0.05	0.04	0.04	0.25	0.50	0.11	0.0	1.06
SW	0.0	0.04	0.04	0.09	0.31	0.43	0.08	0.04	1.05
WSW	0.0	0.05	0.07	0.08	0.14	0.12	0.01	0.01	0.53
W	0.01	0.02	0.04	0.04	0.09	0.03	0.0	0.0	0.23
WNW	0.0	0.02	0.04	0.05	0.04	0.04	0.0	0.0	0.20
NW	0.01	0.03	0.02	0.04	0.09	0.03	0.01	0.0	0.23
NNW	0.01	0.04	0.08	0.04	0.07	0.09	0.02	0.0	0.35
SUBTOTAL	0.09	0.53	0.80	0.98	3.20	3.31	0.79	0.07	9.77

CALM = 0.06

1603 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 16481 VALID TEMPERATURE DIFFERENCE READINGS

1599 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 1603 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 ≤ DELTA-T ≤ 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.01	0.13	0.13	0.18	0.76	0.86	0.15	0.01	2.29
NNE	0.02	0.10	0.17	0.18	0.94	1.13	0.28	0.02	2.74
NE	0.0	0.07	0.21	0.21	0.88	1.04	0.30	0.02	2.75
ENE	0.01	0.09	0.19	0.22	0.65	0.54	0.09	0.0	1.79
E	0.01	0.15	0.26	0.25	0.56	0.23	0.04	0.0	1.50
ESE	0.02	0.13	0.25	0.27	0.92	0.79	0.19	0.03	2.60
SE	0.03	0.23	0.48	0.60	1.76	1.50	0.87	0.39	5.88
SSE	0.04	0.24	0.49	0.70	1.77	1.71	0.86	0.58	6.39
S	0.01	0.20	0.45	0.56	1.53	1.83	0.78	0.61	5.97
SSW	0.02	0.21	0.36	0.36	1.34	1.51	1.06	0.36	5.22
SW	0.01	0.15	0.23	0.35	0.79	0.84	0.40	0.12	2.84
WSW	0.01	0.13	0.29	0.27	0.62	0.37	0.12	0.10	1.91
W	0.02	0.12	0.26	0.25	0.62	0.31	0.17	0.07	1.82
WNW	0.02	0.07	0.17	0.45	0.63	0.32	0.13	0.04	1.83
NW	0.02	0.14	0.24	0.31	0.77	0.57	0.26	0.05	2.36
NNW	0.02	0.12	0.16	0.28	0.68	0.75	0.14	0.02	2.17
SUBTOTAL	0.27	2.28	4.34	5.44	15.12	14.30	5.84	2.42	50.01

CALC = 0.05

8236 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 16481 VALID TEMPERATURE DIFFERENCE READINGS

8177 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 8236 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES*

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100H

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.02	0.12	0.23	0.79	0.92	0.31	0.01	2.40
NNE	0.01	0.10	0.21	0.34	1.04	0.86	0.13	0.0	2.69
NE	0.01	0.04	0.15	0.20	0.72	0.32	0.01	0.0	1.45
ENE	0.01	0.03	0.07	0.14	0.34	0.07	0.0	0.0	0.66
E	0.0	0.04	0.11	0.17	0.19	0.01	0.0	0.0	0.52
ESE	0.0	0.13	0.17	0.18	0.42	0.10	0.07	0.02	1.09
SE	0.0	0.22	0.55	0.54	1.25	0.81	0.48	0.19	4.04
SSE	0.01	0.32	0.40	0.41	0.64	0.72	0.39	0.11	3.20
S	0.0	0.18	0.26	0.31	0.78	0.59	0.28	0.15	2.55
SSW	0.0	0.11	0.20	0.12	0.56	0.67	0.28	0.15	2.09
SW	0.01	0.24	0.33	0.20	0.58	0.53	0.18	0.04	2.11
WSW	0.0	0.17	0.47	0.28	0.36	0.41	0.16	0.13	1.98
W	0.01	0.10	0.39	0.40	0.56	0.48	0.28	0.21	2.43
WNW	0.0	0.09	0.22	0.40	0.75	0.55	0.30	0.21	2.52
NW	0.0	0.10	0.43	0.47	1.18	0.92	0.60	0.22	3.92
NNW	0.01	0.04	0.21	0.20	0.73	1.40	0.58	0.07	3.24
SUBTOTAL	0.07	1.93	4.29	4.59	11.09	9.36	4.05	1.51	26.89

CALM = 0.01

6114 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 16481 VALID TEMPERATURE DIFFERENCE READINGS

6038 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 6114 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS C
-1.7 < DELTA-T < -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								
	0.6=1.6	1.6=3.4	3.4=5.4	5.4=7.4	7.4=12.4	12.4=16.4	16.4=24.4	>24.5	TOTAL
N	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.02
NNE	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01
NE	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01
SE	0.0	0.0	0.02	0.01	0.0	0.0	0.0	0.0	0.03
SSE	0.0	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.03
S	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.02
SSW	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.01
SW	0.0	0.01	0.02	0.0	0.01	0.01	0.01	0.0	0.06
WSW	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.02
W	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.02
WNW	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01
NW	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.02
NNW	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01
SUBTOTAL	0.0	0.03	0.10	0.03	0.06	0.03	0.01	0.0	0.28

CALC = 0.0

38 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 16481 VALID TEMPERATURE DIFFERENCE READINGS

35 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 38 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS B
-1.9 < DELTA-T < -1.7 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (KPH)								TOTAL
	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-16.4	16.5-24.4	>24.5	
N	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.01	0.02	0.02	0.01	0.01	0.0	0.0	0.07
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.02
SSH	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
SW	0.0	0.0	0.01	0.0	0.01	0.01	0.0	0.0	0.03
WSW	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
W	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.01	0.0	0.0	0.01	0.0	0.01	0.0	0.03
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.05	0.05	0.03	0.04	0.02	0.01	0.0	0.20
CALM =	0.0								

27 STABILITY CLASS B OCCURRENCES OUT OF TOTAL 16481 VALID TEMPERATURE DIFFERENCE READINGS

27 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 27 STABILITY CLASS B OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

4/5/75

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS A
 DELTA T <= -1.9 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

JAN 1, 74 - DEC 31, 75

WIND DIRECTION	WIND SPEED (MPH)								
	0-6-14	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
NE	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
ESE	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.02
SE	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.02
SSE	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
S	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
SSW	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
SW	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.02
WSW	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.04	0.07	0.01	0.02	0.0	0.0	0.0	0.14

CALC = 0.0

17 STABILITY CLASS A OCCURRENCES OUT OF TOTAL 16481 VALID TEMPERATURE DIFFERENCE READINGS

17 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 17 STABILITY CLASS A OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
 TEMPERATURE INSTRUMENTS 300 AND 150 FEET ABOVE GROUND
 WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

PERCENT OCCURRENCE OF WIND SPEED
FOR ALL WIND DIRECTIONS

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY

WIND DIRECTION	DECEMBER (74,75) WIND SPEED (MPH)								TOTAL
	0.1-1.4	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	
N	0.0	0.14	0.34	0.34	3.82	2.04	0.68	0.0	7.36
NNE	0.0	0.34	0.20	0.68	2.52	1.57	0.0	0.0	5.31
NE	0.0	0.0	0.68	0.61	1.50	0.82	0.0	0.0	3.61
ENE	0.0	0.14	0.14	0.49	0.61	0.34	0.07	0.0	1.78
E	0.0	0.14	0.48	0.41	0.82	0.0	0.0	0.0	1.85
ESE	0.0	0.07	0.27	0.41	1.64	0.68	0.61	0.07	3.75
SE	0.07	0.20	0.34	0.55	2.52	3.00	4.09	0.75	11.52
SSE	0.0	0.20	0.55	0.68	2.11	3.61	2.45	0.75	10.34
S	0.0	0.14	0.27	0.41	2.73	3.20	2.18	0.48	9.41
SSW	0.0	0.61	0.07	0.61	2.73	3.00	1.43	0.20	8.45
SW	0.0	0.54	0.20	0.82	1.91	1.02	0.55	0.14	4.98
WSW	0.0	0.14	0.48	0.82	1.57	0.61	0.0	0.34	3.98
W	0.0	0.34	0.27	0.61	1.77	1.84	1.09	0.34	6.24
WNW	0.0	0.07	0.55	0.75	1.77	1.64	0.89	0.34	6.01
W	0.14	0.34	0.82	0.68	2.18	1.98	1.43	0.34	7.41
NNW	0.07	0.14	0.48	0.14	1.64	3.68	1.18	0.0	7.31
SUBTOTAL	0.28	3.35	6.14	9.00	31.84	29.03	16.63	3.75	100.02
CALM =	0.0								

1467 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF 1488 TOTAL HOURS = 98.59 PERCENT

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
WIND INSTRUMENT AT 300 FEET ABOVE GROUND

24

WIND PERCENTAGE FREQUENCIES BY WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS G
DELTA T > 4.0 DEG. C/100%

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.07	0.0	0.07	0.0	0.0	0.14
ENE	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
SE	0.0	0.0	0.0	0.0	0.14	0.14	0.07	0.0	0.35
SSE	0.0	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.14
S	0.0	0.0	0.0	0.07	0.07	0.07	0.0	0.0	0.21
SSW	0.0	0.0	0.0	0.0	0.34	0.07	0.07	0.0	0.48
SW	0.0	0.0	0.0	0.07	0.21	0.0	0.0	0.0	0.28
WSW	0.0	0.0	0.0	0.14	0.21	0.0	0.0	0.0	0.35
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.49	1.11	0.42	0.14	0.0	2.16

CALM = 0.0

31 STABILITY CLASS G OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

31 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 31 STABILITY CLASS G OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.76 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS F
1.5 ≤ DELTA-T ≤ 4.0 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER, (76,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0-4-1-4	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	
N	0.0	0.0	0.0	0.0	0.07	0.21	0.07	0.0	0.35
NNE	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.14
NE	0.0	0.0	0.07	0.07	0.0	0.14	0.0	0.0	0.28
ENE	0.0	0.0	0.0	0.07	0.14	0.07	0.07	0.0	0.35
E	0.0	0.0	0.14	0.14	0.28	0.0	0.0	0.0	0.56
ESE	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.14
SE	0.0	0.0	0.0	0.07	0.34	0.48	0.0	0.0	0.89
SSE	0.0	0.0	0.0	0.07	0.28	0.07	0.14	0.0	0.56
S	0.0	0.0	0.0	0.07	0.48	0.48	0.07	0.0	1.10
SSH	0.0	0.0	0.0	0.0	0.55	0.41	0.07	0.0	1.03
SW	0.0	0.0	0.0	0.14	0.69	0.28	0.0	0.0	1.11
WSW	0.0	0.0	0.07	0.0	0.34	0.34	0.0	0.0	0.75
W	0.0	0.0	0.0	0.07	0.07	0.0	0.0	0.0	0.14
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07
NNW	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.07
SUBTOTAL	0.0	0.07	0.35	0.70	3.36	2.62	0.42	0.0	7.54

CALC = 0.0

109 STABILITY CLASS F OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

109 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 109 STABILITY CLASS F OCCURRENCES

ALL COLUMNS AND CALC TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

254

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS E
-0.5 < DELTA-T <= 1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.14	0.14	0.07	1.31	0.41	0.0	0.0	2.07
NNE	0.0	0.21	0.07	0.28	1.31	1.10	0.0	0.0	2.97
NE	0.0	0.0	0.34	0.41	0.83	0.55	0.0	0.0	2.13
ENE	0.0	0.14	0.07	0.21	0.41	0.28	0.0	0.0	1.11
E	0.0	0.14	0.34	0.21	0.55	0.0	0.0	0.0	1.24
ESE	0.0	0.0	0.0	0.34	1.38	0.69	0.55	0.07	3.63
SE	0.07	0.21	0.34	0.41	1.72	2.20	3.65	0.76	9.34
SSE	0.0	0.14	0.28	0.55	1.44	3.30	2.34	0.76	6.61
S	0.0	0.14	0.21	0.28	2.13	2.41	1.99	0.48	7.64
SSW	0.0	0.41	0.0	0.62	1.10	1.51	1.17	0.14	4.95
SW	0.0	0.14	0.14	0.55	0.62	0.41	0.55	0.07	2.48
WSW	0.0	0.0	0.28	0.48	0.83	0.28	0.0	0.07	1.94
W	0.0	0.07	0.14	0.14	0.76	0.41	0.21	0.0	1.73
WNW	0.0	0.0	0.07	0.48	0.62	0.62	0.28	0.07	2.14
NW	0.14	0.28	0.07	0.34	0.89	0.83	0.21	0.0	2.76
NNW	0.07	0.07	0.14	0.14	0.55	0.69	0.21	0.0	1.87
SUBTOTAL	0.28	2.09	2.63	5.51	16.45	15.69	11.16	2.42	56.23

CALM = 0.0

816 STABILITY CLASS E OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

816 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 816 STABILITY CLASS E OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.73 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES *

STABILITY CLASS D
-1.5 < DELTA-T <= -0.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74, 75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.21	0.28	1.79	1.44	0.62	0.0	4.34
NNE	0.0	0.14	0.14	0.41	1.10	0.34	0.0	0.0	2.13
NE	0.0	0.0	0.28	0.07	0.69	0.07	0.0	0.0	1.11
ENE	0.0	0.0	0.07	0.14	0.07	0.0	0.0	0.0	0.28
E	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.07
ESE	0.0	0.07	0.28	0.0	0.07	0.0	0.07	0.0	0.49
SE	0.0	0.0	0.0	0.07	0.34	0.21	0.41	0.0	1.03
SSE	0.0	0.07	0.28	0.07	0.34	0.21	0.0	0.0	0.97
S	0.0	0.0	0.07	0.0	0.07	0.28	0.14	0.0	0.46
SSW	0.0	0.21	0.07	0.0	0.76	1.03	0.14	0.67	2.28
SW	0.0	0.21	0.07	0.07	0.41	0.34	0.0	0.67	1.17
WSW	0.0	0.14	0.14	0.21	0.21	0.0	0.0	0.78	0.98
W	0.0	0.28	0.14	0.41	0.96	1.44	0.89	0.34	4.37
WNW	0.0	0.07	0.48	0.28	1.17	1.03	0.62	0.28	3.93
NW	0.0	0.0	0.76	0.34	1.31	1.17	1.24	0.34	5.16
NNW	0.0	0.07	0.28	0.0	1.10	2.96	0.96	0.6	5.37
SUBTOTAL	0.0	1.26	3.27	2.42	10.39	10.52	5.09	1.38	34.33

CALM = 0.0

500 STABILITY CLASS D OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

498 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 500 STABILITY CLASS D OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND WIND SPEED
FOR DIFFERENT STABILITY CLASSES

STABILITY CLASS C
-1.7 < DELTA-T < -1.5 DEG. C/100M

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL FACILITY*

DECEMBER (74,75)

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	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	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALM = 0.0

0 STABILITY CLASS C OCCURRENCES OUT OF TOTAL 1456 VALID TEMPERATURE DIFFERENCE READINGS

0 VALID WIND DIRECTION - WIND SPEED READINGS OUT OF TOTAL 0 STABILITY CLASS C OCCURRENCES

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF NET VALID READINGS

*METEOROLOGICAL FACILITY LOCATED 0.78 MILES ESE OF BROWNS FERRY NUCLEAR PLANT
TEMPERATURE INSTRUMENTS 150 AND 300 FEET ABOVE GROUND
WIND INSTRUMENTS AT 300 FEET ABOVE GROUND

FREQUENCY DISTRIBUTION

DATE PRINTED 05/10/76

HUNTSVILLE, ALABAMA

JAN. 1, 68-DEC 31, 73

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.0	0.003422	0.010379	0.0	0.0	0.0	0.013800
NNE	0.0	0.002680	0.005189	0.0	0.0	0.0	0.007870
NE	0.0	0.003193	0.004049	0.0	0.0	0.0	0.007242
ENE	0.0	0.005018	0.000456	0.0	0.0	0.0	0.005474
E	0.0	0.011975	0.001312	0.0	0.0	0.0	0.013287
ESE	0.0	0.010436	0.003707	0.0	0.0	0.0	0.014142
SE	0.0	0.009352	0.003422	0.0	0.0	0.0	0.012774
SSE	0.0	0.005075	0.001711	0.0	0.0	0.0	0.006786
S	0.0	0.006273	0.003536	0.0	0.0	0.0	0.009808
SSW	0.0	0.002452	0.001825	0.0	0.0	0.0	0.004277
SW	0.0	0.002452	0.001597	0.0	0.0	0.0	0.004049
WSW	0.0	0.002167	0.001540	0.0	0.0	0.0	0.003707
W	0.0	0.001996	0.002338	0.0	0.0	0.0	0.004334
WNW	0.0	0.002566	0.004619	0.0	0.0	0.0	0.007185
NW	0.0	0.002224	0.005132	0.0	0.0	0.0	0.007356
NNW	0.0	0.002395	0.004106	0.0	0.0	0.0	0.006501
TOTAL	0.0	0.073677	0.054916	0.0	0.0	0.0	

FREQUENCY OF OCCURRENCE OF E STABILITY = 0.128593

FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH E STABILITY = 0.0

NOTE-STAR PROGRAM

FREQUENCY DISTRIBUTION

DATE PRINTED 05/10/76

HUNTSVILLE, ALABAMA

JAN 1, 68-DEC 31, 73

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.002342	0.011063	0.0	0.0	0.0	0.0	0.013405
NNE	0.001226	0.003935	0.0	0.0	0.0	0.0	0.005161
NE	0.001274	0.006501	0.0	0.0	0.0	0.0	0.007775
ENE	0.003131	0.009067	0.0	0.0	0.0	0.0	0.012198
E	0.007059	0.022297	0.0	0.0	0.0	0.0	0.029356
ESE	0.005110	0.013857	0.0	0.0	0.0	0.0	0.018968
SE	0.003799	0.011348	0.0	0.0	0.0	0.0	0.015147
SSE	0.002503	0.007014	0.0	0.0	0.0	0.0	0.009517
S	0.002500	0.006615	0.0	0.0	0.0	0.0	0.009115
SSW	0.000952	0.003136	0.0	0.0	0.0	0.0	0.004088
SW	0.000718	0.002566	0.0	0.0	0.0	0.0	0.003284
WSW	0.001033	0.002452	0.0	0.0	0.0	0.0	0.003485
W	0.001152	0.004277	0.0	0.0	0.0	0.0	0.005429
WNW	0.001295	0.005474	0.0	0.0	0.0	0.0	0.006769
NW	0.001522	0.006387	0.0	0.0	0.0	0.0	0.007909
NNW	0.001563	0.005474	0.0	0.0	0.0	0.0	0.007037
TOTAL	0.037181	0.121464	0.0	0.0	0.0	0.0	

FREQUENCY OF OCCURRENCE OF F STABILITY = 0.158645

FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH F STABILITY = 0.023666

NOTE-STAR PROGRAM

FREQUENCY DISTRIBUTION

DATE PRINTED 05/10/76

HUNTSVILLE, ALABAMA

JAN 1, 68-DEC 31, 73

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.002785	0.0	0.0	0.0	0.0	0.0	0.002785
NNE	0.000655	0.0	0.0	0.0	0.0	0.0	0.000655
NE	0.002785	0.0	0.0	0.0	0.0	0.0	0.002785
ENE	0.010647	0.0	0.0	0.0	0.0	0.0	0.010647
E	0.019656	0.0	0.0	0.0	0.0	0.0	0.019656
ESE	0.013104	0.0	0.0	0.0	0.0	0.0	0.013104
SE	0.007371	0.0	0.0	0.0	0.0	0.0	0.007371
SSE	0.004095	0.0	0.0	0.0	0.0	0.0	0.004095
S	0.004423	0.0	0.0	0.0	0.0	0.0	0.004423
SSW	0.001147	0.0	0.0	0.0	0.0	0.0	0.001147
SW	0.001638	0.0	0.0	0.0	0.0	0.0	0.001638
WSW	0.001147	0.0	0.0	0.0	0.0	0.0	0.001147
W	0.002457	0.0	0.0	0.0	0.0	0.0	0.002457
WNW	0.002457	0.0	0.0	0.0	0.0	0.0	0.002457
NW	0.001310	0.0	0.0	0.0	0.0	0.0	0.001310
NNW	0.003931	0.0	0.0	0.0	0.0	0.0	0.003931
TOTAL	0.079607	0.0	0.0	0.0	0.0	0.0	

FREQUENCY OF OCCURRENCE OF G STABILITY = 0.079608

FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH G STABILITY = 0.051893

NOTE-STAR PROGRAM

FREQUENCY DISTRIBUTION OF WIND SPEED
FOR ALL WIND DIRECTIONS

DATE PRINTED 05/10/76

HUNTSVILLE, ALABAMA

JAN 1, 68-DEC 31, 73

SPEED (MPH)

DIRECTION	0 - 3	4 - 7	8 - 12	13 - 18	19 - 24	GREATER THAN 24	TOTAL
N	0.008582	0.022468	0.035185	0.020871	0.002395	0.000057	0.089558
NNE	0.004054	0.012660	0.019674	0.008497	0.000399	0.0	0.045283
NE	0.006031	0.015967	0.012945	0.003365	0.000114	0.0	0.038421
ENE	0.017593	0.021328	0.006558	0.000969	0.000057	0.0	0.046505
E	0.032771	0.047274	0.013515	0.003250	0.000456	0.0	0.097267
ESE	0.024969	0.038549	0.024920	0.014142	0.001711	0.000342	0.104634
SE	0.016740	0.034957	0.025719	0.015796	0.002452	0.000399	0.096062
SSE	0.011509	0.024407	0.018761	0.009181	0.001141	0.000171	0.065170
S	0.012953	0.027144	0.027372	0.013971	0.001825	0.000171	0.083437
SSW	0.004632	0.011975	0.013002	0.009751	0.001369	0.000171	0.040900
SW	0.005115	0.011462	0.014941	0.006843	0.001141	0.0	0.039501
WSW	0.005997	0.012774	0.012888	0.006501	0.001255	0.000171	0.039585
W	0.006183	0.013230	0.016195	0.011519	0.003022	0.000570	0.050720
WNW	0.006529	0.015454	0.015853	0.014085	0.003536	0.000456	0.055913
NW	0.005924	0.015739	0.018191	0.011861	0.003707	0.000228	0.055650
NNW	0.007996	0.013857	0.015967	0.011177	0.002167	0.000228	0.051393
TOTAL	0.177577	0.339245	0.291685	0.161781	0.026745	0.002965	

FREQUENCY OF CALMS DISTRIBUTED ABOVE (ALL STABILITY CLASSES) = 0.111428

NOTE-STAR PROGRAM

Browns Ferry - Appendix I
Enclosure 2 responses

NRC Item 6

If recent onsite meteorological data are not available, or if the meteorological measurements program does not meet the recommendations and intent of Regulatory Guide 1.23: . . .

TVA Response

Prior to April 1976, wind instrumentation had not been installed at the 150-foot level (approximate height of reactor building vents) of the onsite meteorological tower. However, the 300-foot wind directions and wind speeds are considered to reasonably represent the effluent release level. Extrapolation of 300-foot wind speeds to the 150-foot level, using the 1/7 power law, results in wind speeds equal to approximately 90 percent of the speeds measured at 300 feet. Variation in averaged wind directions between 300 feet and 150 feet is also expected to be small.

In all other respects, the onsite meteorological program is commensurate with the requirements of Regulatory Guide 1.23. Data summaries, based on the most recent two calendar years of data acquired at the onsite facility, are provided in the response to Item 5.

Browns Ferry - Appendix I
Enclosure 2 responses

NRC Item 7

Describe airflow trajectory regimes of importance in transporting effluents to the locations for which dose calculations are made.

TVA Response

Terrain features between the reactor and turbine buildings and the critical pathway locations were examined for those locations for which the highest values of radiation doses were calculated. The highest dose estimate for a site boundary location was to the north at 1550 meters; the highest calculated dose for a residence and assumed garden plot was also to the north, at 1740 meters; for a milk cow, the highest calculated dose was to the south, across Wheeler Reservoir, at 4880 meters.

Between these three locations and the Browns Ferry Nuclear Plant, terrain elevation varies from 556 feet msl (mean elevation of Wheeler Reservoir) to about 600 feet msl (a small hill immediately north of the milk cow location). From the plant to the site boundary, residence, and garden plot locations, the highest terrain feature is a small hill south of the residence (and just within the site boundary), the top of which is about 590 feet msl.

Airflow trajectories near the Browns Ferry Nuclear Plant site, including those from the reactor to these critical pathway locations, are almost exclusively controlled by synoptic-scale influences. For example, though the most frequent wind direction sector (SE-16.75%) coincides with the direction of river flow at the site, the frequency of winds from this direction is higher during daytime hours than at night (18.28% vs. 15.24%). If a river valley situation were present, the nighttime frequency of "downvalley" flow would be significantly higher than during the daytime.

A straight-line trajectory appears to adequately describe the path of travel of the effluent from the vents to the locations for which the critical dose calculations were made, except during relatively infrequent and transitory synoptic events or periods of convective showers. At these times, strong winds with neutral or unstable conditions are probable, and contributions of ground-level concentrations to annual average values will be small. Ground-level concentrations during stable conditions would be expected to contribute most to annual average values, particularly for assumed ground-level releases. At these times, the path of travel of the effluent plume to the milk cow location (across Wheeler Reservoir) is likely to encounter somewhat less stable conditions above the relatively warm water surface.

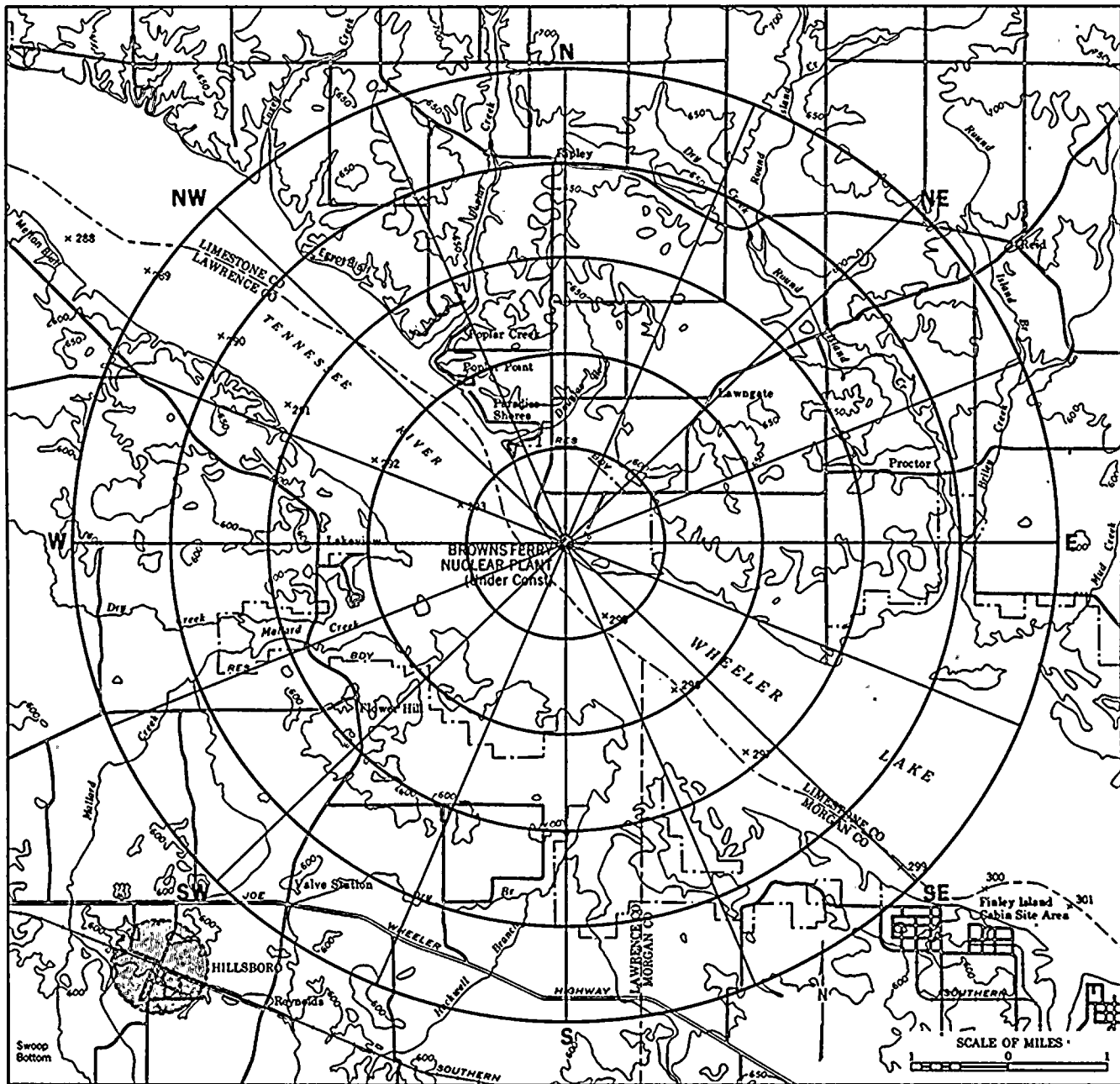
Enclosure II Question 8

Provide a map showing the detailed topographical features (as modified by the plant, on a large scale, within a 10-mile radius of the plant and a plot of the maximum topographic evaluation versus distance from the center of the plant in each of the 16 22-1/2 degree cardinal compass point sectors (centered on true north), radiating from the center of the plant, to a distance of 10 miles.

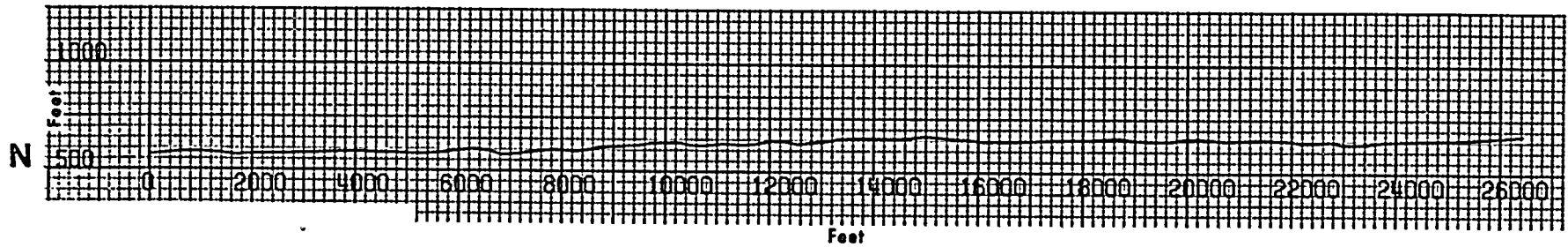
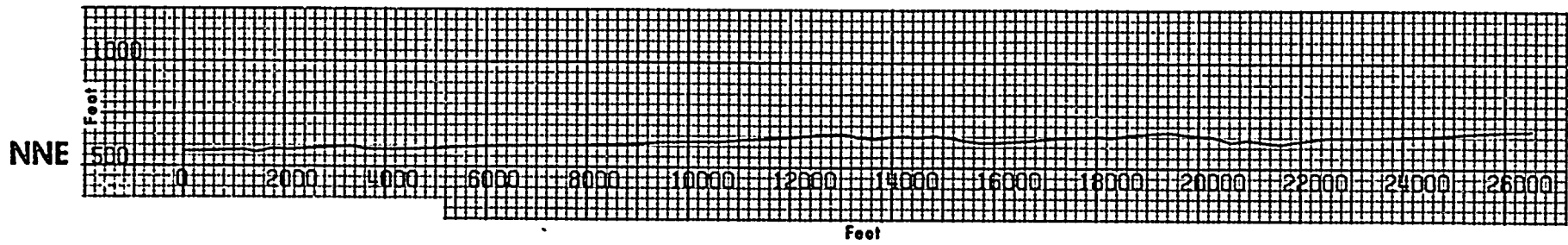
Response

A detailed topographical map to a distance of 5 miles is provided. Ground profiles to a distance of 5 miles are also provided.

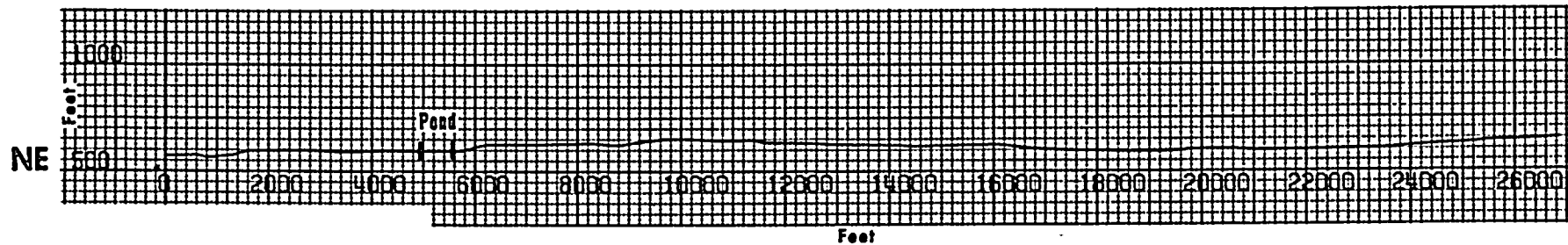
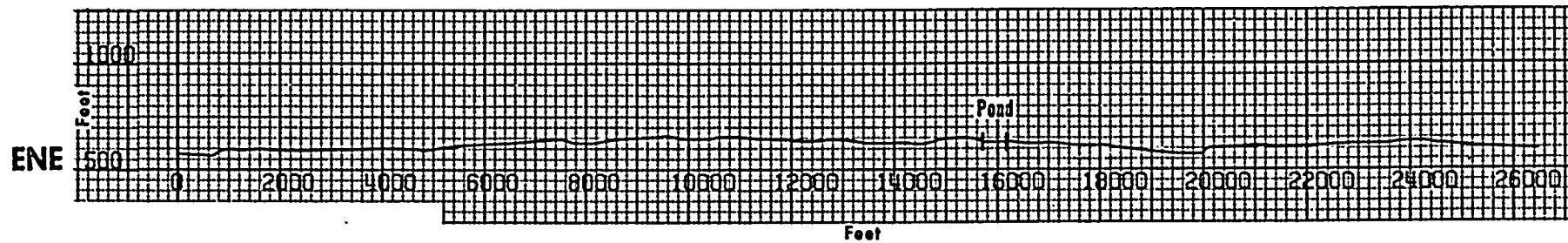




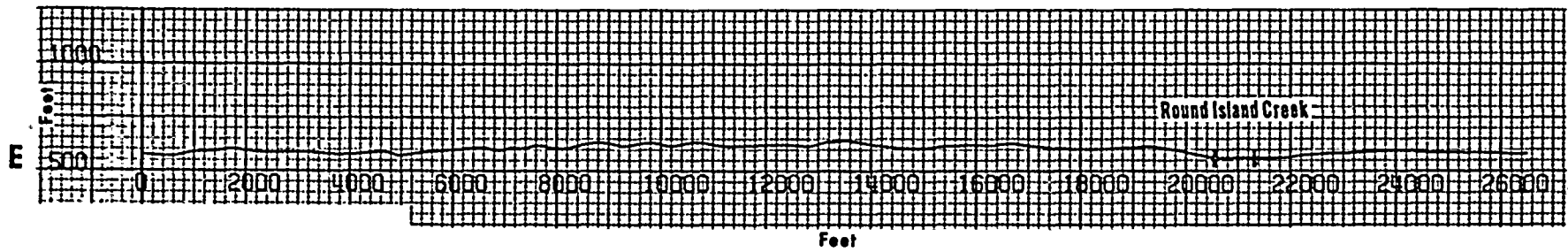
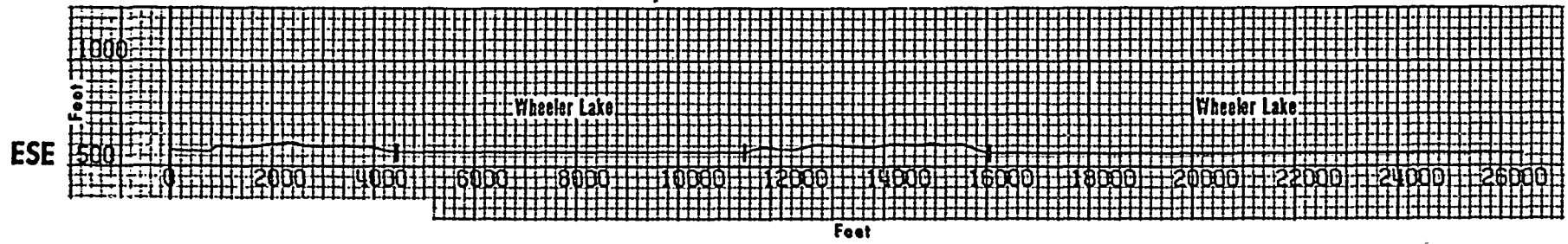




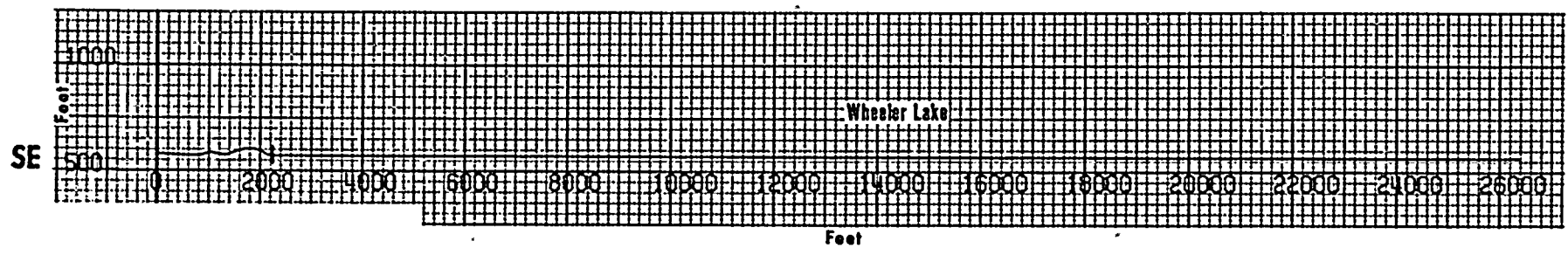
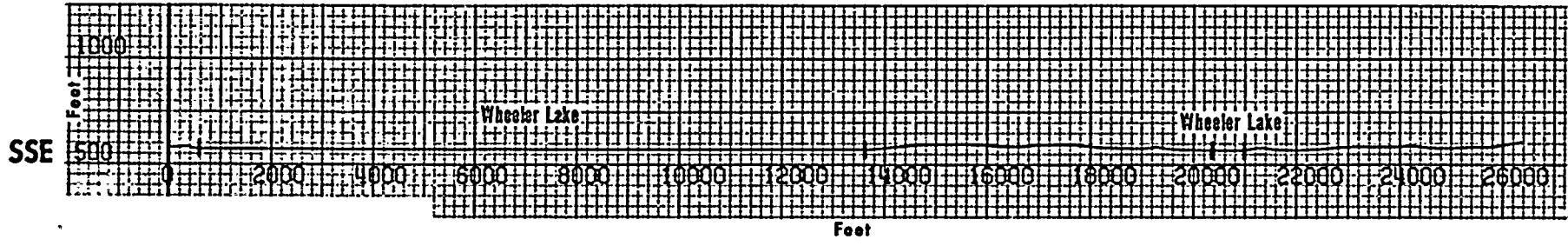
Topography within 5 mile radius:



Topography within 5 mile radius

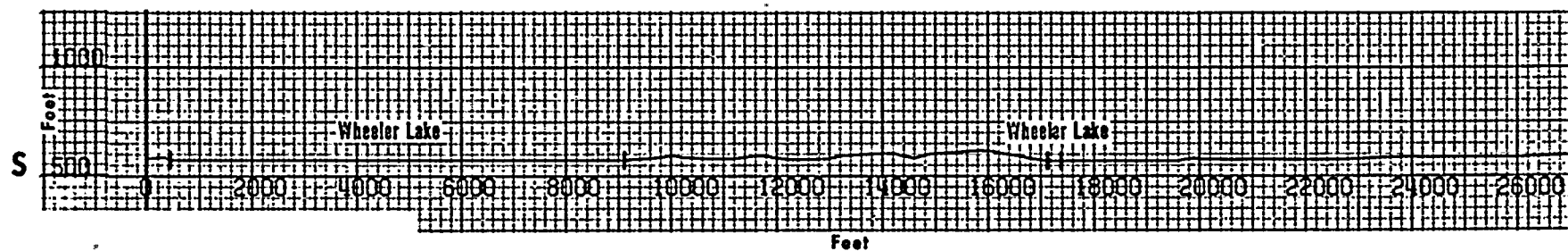
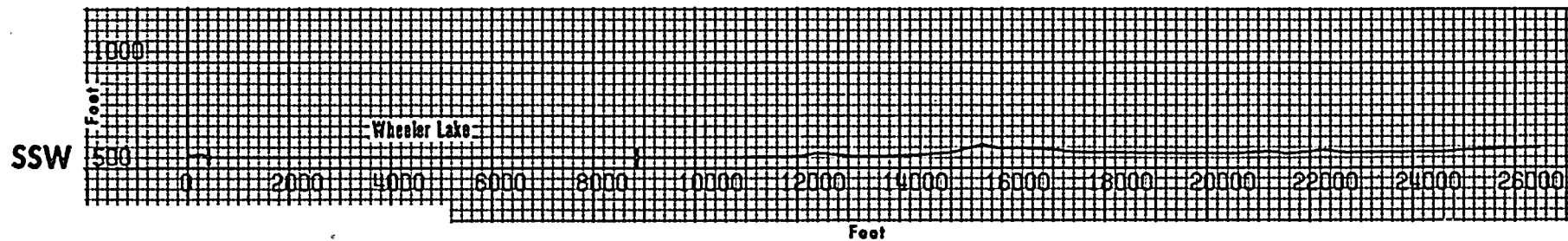


Topography within 5 mile radius

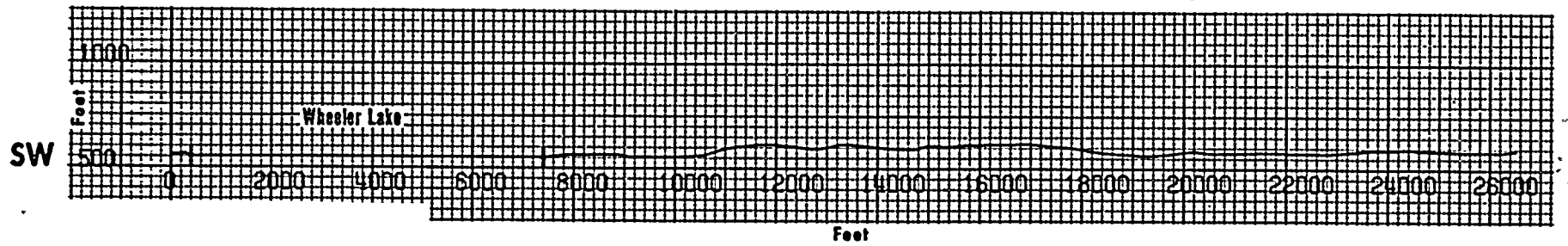
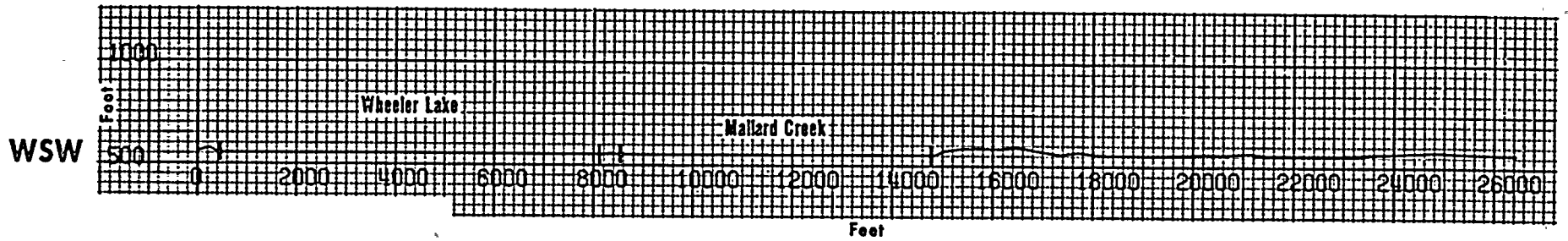


Topography within 5 mile radius

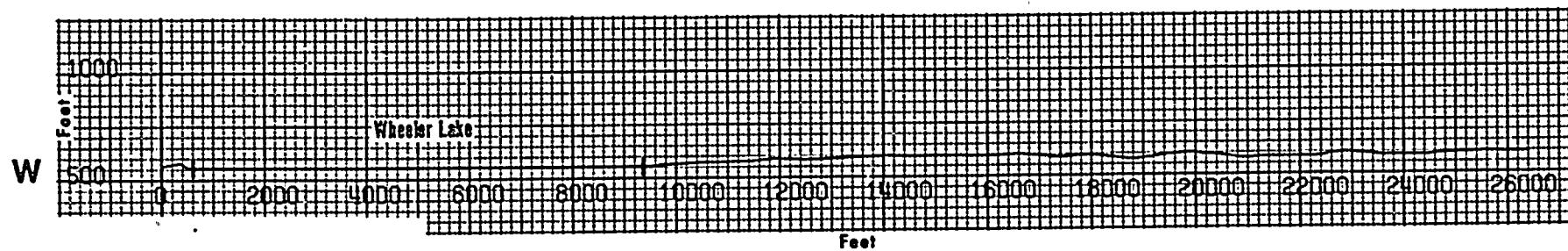
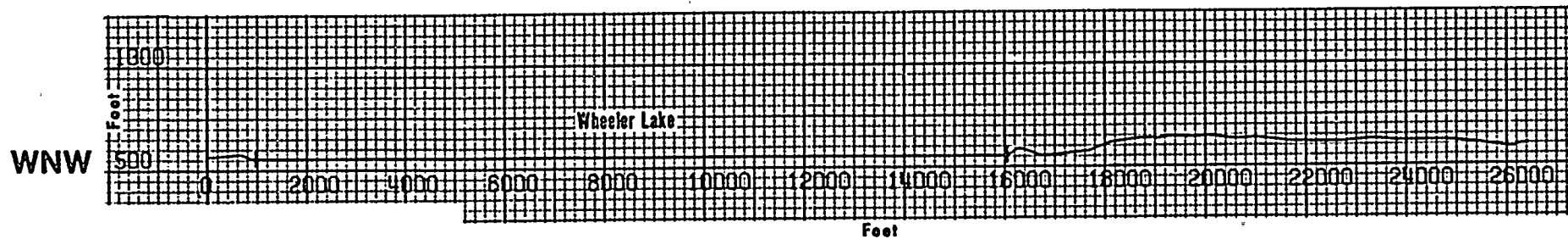
5.25 2.22



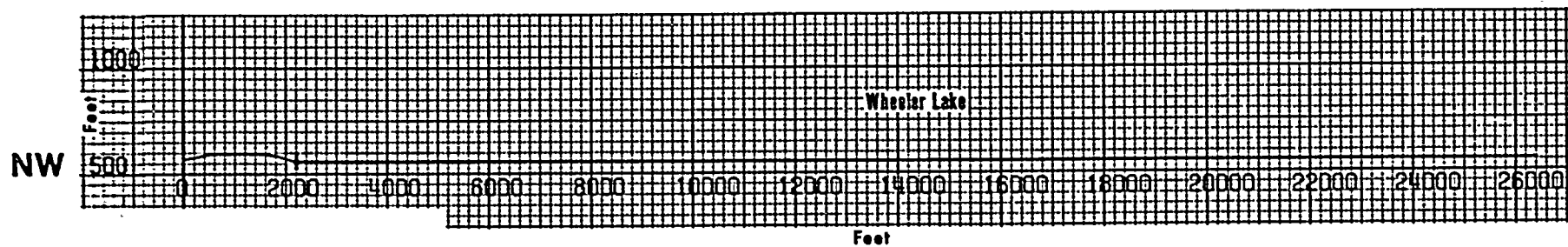
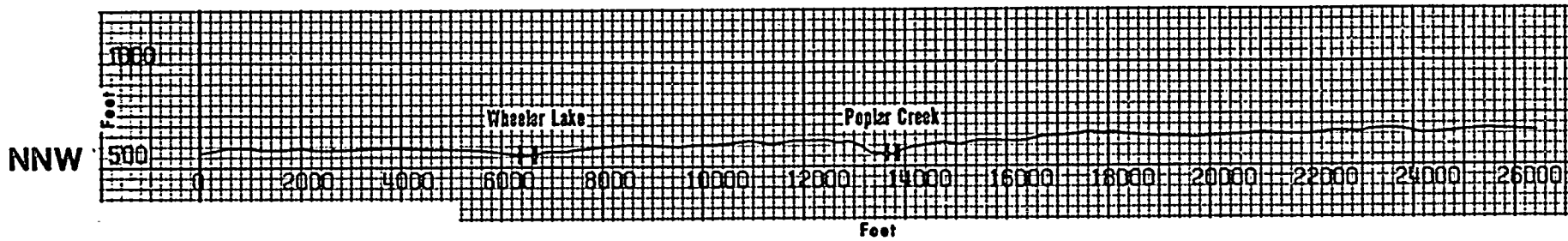
Topography within 5-mile radius



Topography within 5 mile radius



Topography within 5 mile radius



Topography within 5 mile radius

Enclosure II Question 9

Provide the dates and times of radioactivity releases from intermittent sources by source location based on actual plant operation and, if available, appropriate hourly meteorological data (i.e. wind direction and speed, and atmospheric stability) during each period of release.

Response

At Browns Ferry Nuclear Plant releases are made on a continuous basis. Therefore, we do not make intermittent source releases. However, a nine track unlabeled, 1600 BPI data tape containing hourly meteorological data from the onsite meteorological monitoring station for the two year period January 1, 1974, through December 31, 1975, is provided. A description of the data tape is also provided along with some sample tape dumps.

Tape Description - Browns Ferry Meteorological Data - January 1974-December 1975

Nine track unlabeled, 1600 BPI, reel No. TVA072
File 1, DSN=BFMET74 (Data for January-December 1974)
File 2, DSN=BFMET75 (Data for January-December 1975)

Record - Word

1. Station
2. Year
3. Day
4. Time
5. No. of additional words in record
6. Prevailing wind direction, 300 feet above ground (degrees)
7. Wind speed average 300 feet above ground (mph)
8. Prevailing wind direction, 33 feet above ground (degrees)
9. Wind speed average, 33 feet above ground (mph)
10. Temperature 300 feet above ground (°F)
11. Temperature 150 feet above ground (°F)
12. Temperature 33 feet above ground (°F)
13. Percentage of readings used to determine wind direction, 300 feet above ground
14. Percentage of readings used to determine wind direction, 33 feet above ground

Note: Any number greater than 900000 indicates lost record. All 7's in wind direction field indicate calm wind.

See attached dump of several records for further description.

