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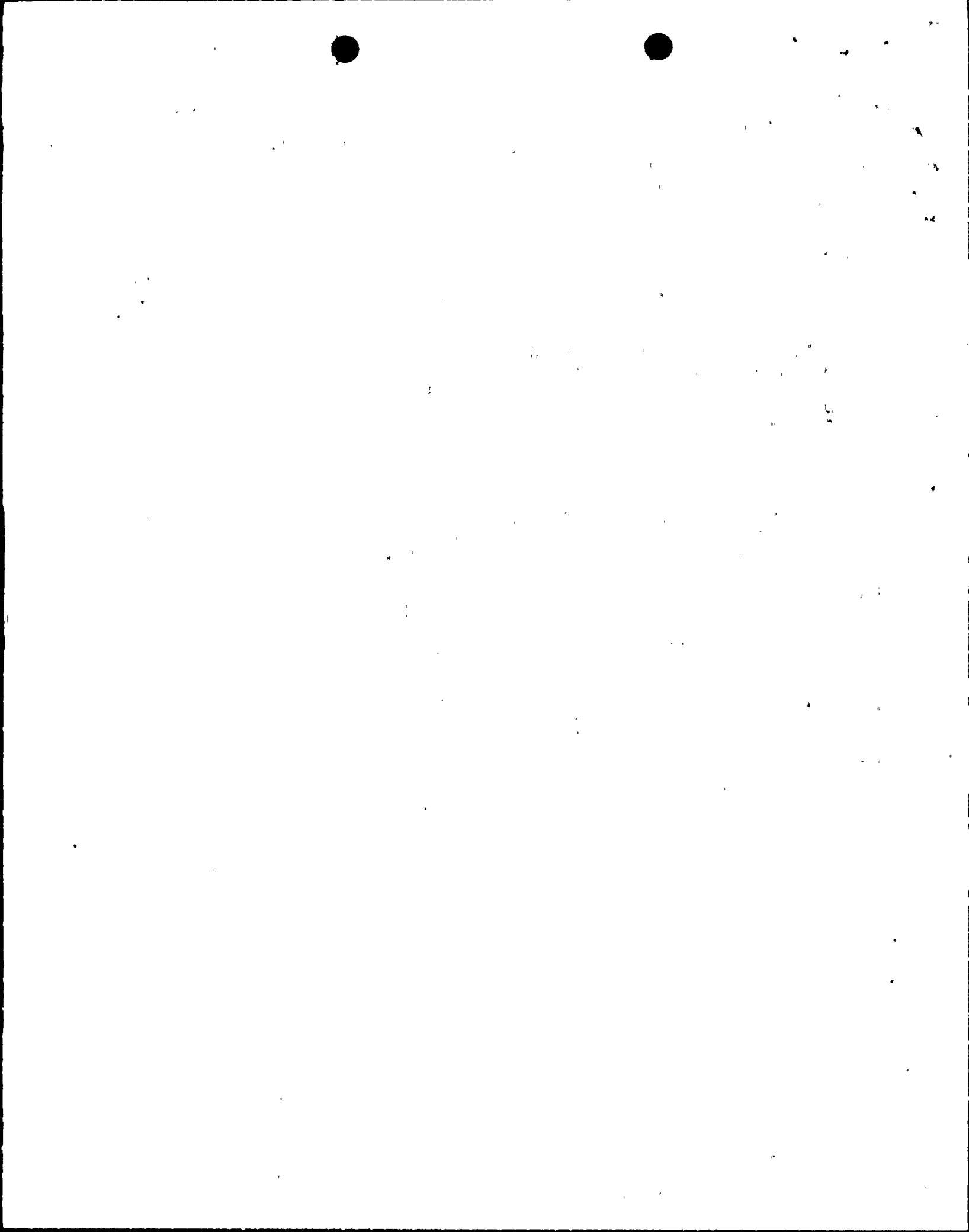
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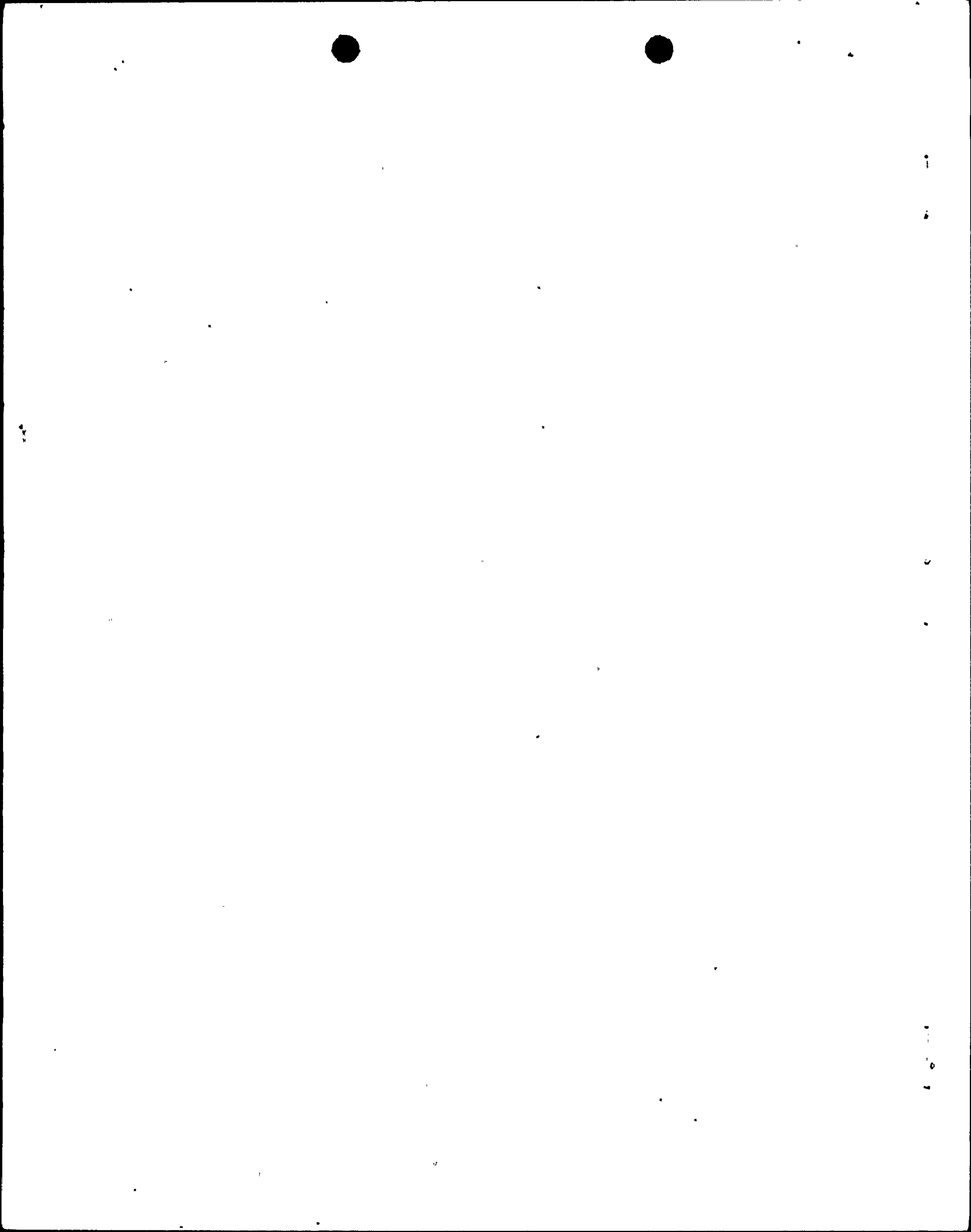
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RADIOLOGICAL IMPACT ASSESSMENT  
BROWNS FERRY NUCLEAR PLANT  
JULY - DECEMBER 1984  
TVA/POWER/RH

8712310044 841231  
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Radiological Impact Assessment  
Browns Ferry Nuclear Plant  
July - December 1984

Introduction

Potential doses to individuals and populations have been calculated for the time period July through December in compliance with the requirements of Radiological Effluent Technical Specification 6.7.3.A. Dose calculations are based on Regulatory Guides 1.109, 1.111, 1.113, and NUREG/CR-1004 to determine compliance with the dose objectives contained in 10 CFR 50 Appendix I and 40 CFR 190. Measured plant releases (listed in tables 1-3 for radioactivity in both gaseous and liquid effluents) for the reporting period are used as input in the Gaseous Effluent Licensing Code (for gaseous releases) and the Quarterly Water Assessment Code (for liquid releases) to estimate dose. Dispersion of radioactive effluents in the environment has been calculated using meteorological data and riverflow data measured during this period.

Meteorological Data

Meteorological data were measured, and average quarterly joint frequency distributions (JFDs) for ground-level, split-level, and stack releases were calculated. The ground-level JFD was derived from windspeeds and directions measured 10 meters above ground-level and from the vertical temperature gradient between 10 and 45 meters. The ground-level portion of the split-level JFD was based on wind speeds and directions measured with a sensor located 10 meters above ground level and from the vertical temperature gradient between 10 and 45 meters. The elevated portion of the split-level JFD was based on wind speeds and direction measurements at the 46-meter level and the vertical temperature gradient between 45 and 90 meters. The JFDs for elevated releases were based on wind directions and wind speeds measured at 93 meters. Stability class D was assumed to persist at the effluent release level of 180 meters for the entire period. For the period January 1, 1978 - December 31, 1980, stable conditions (E, F, or G stability) existed in the layer from 45 to 90 meters at Browns Ferry Nuclear Plant (BFN) about 43 percent of the time. Neutral conditions existed about 56 percent of the time. This suggests that the use of a D stability for stack releases is conservative or realistic about 99 percent of the time. Also, temperature data taken between 110 and 275 meters at the Colbert Steam Plant during the spring and summer of 1976 indicated that for that layer stable conditions existed 53 percent of the time and neutral conditions existed 45 percent of the time. Thus, the 98 percent occurrence of stable or neutral conditions in the elevated layer at Colbert is comparable to the BFN upper layer percent. Although these data are limited to spring and summer, the small percentage of unstable conditions in the 3-year data set suggests that the results are reasonable year round. For an elevated release, assumption of class D instead of E yields conservative results.

The wind speeds were divided into nine wind speed ranges. Calms (0-0.5 mph) were not distributed by direction. The quarterly JFDs are listed in tables 4 and 5 for ground-level releases, tables 6 and 7 for split-level releases, and in tables 8 and 9 for elevated releases.

## Gaseous Effluents

Ground-level and elevated dispersion models were applied to turbine building and stack releases respectively. Releases from the reactor building and radwaste building were treated as split-level releases, i.e., partly elevated and partly ground-level. The split-level dispersion approach was implemented using a model that required for each effluent vent two complete average-annual JFDs, one for the elevated releases and one for the ground-level releases. Radionuclides in gaseous effluents were assumed to be released continuously. The generally open terrain around BFN is not believed to cause any significant effects on the transport and dispersion of gaseous effluents from the plant. Within 30 kilometers of BFN, the terrain is mostly gently rolling hills (30-60 meters). Between 30 and 80 kilometers the hills become larger to the north and south, and mountainous to the east and northeast. Terrain may have a small effect on transport and dispersion during periods of southeasterly and southerly winds, overcast skies, and relatively high wind speeds. Then, the lower layer (10-45 meters) tends to be more stable than would be expected. However, during this infrequent condition, dose estimates will be conservative.

Dose estimates for external air exposures were made at and beyond the site boundary. External doses to the skin and total body were estimated for the nearest residence in each sector. Internal doses to organs were estimated from the ingestion, inhalation, and ground contamination exposure pathways. The internal doses were calculated for farms where milk is consumed without commercial preparation. All receptor locations and points of interest are listed in table 3a. Doses are given in tables 10 and 11 for these individual exposure pathways at the maximum exposure locations.

Population doses were calculated for an estimated 627,000 persons living within a 50-mile radius of the plant site. Population doses were calculated assuming that each individual consumes vegetables and meat produced within the sector annulus in which he resides. Doses from milk ingestion were calculated from data on milk production within 50 miles of the plant site. Doses from external pathways, inhalation, and beef and vegetable ingestion are based on the 50-mile human population distribution. Population dose estimates for the gaseous effluents are presented in table 12.

## Liquid Effluents

Doses from liquid effluents were calculated using measured hydraulic data. The average river flows at the plant site were 40,970 ft<sup>3</sup>/s for the third quarter and 34,000 ft<sup>3</sup>/s for the fourth quarter. Radioactivity concentrations in the Tennessee River were calculated assuming that releases in liquid effluents were continuous.

Doses were calculated for recreation, consumption of fish, and drinking water from public water supplies between the plant site and the mouth of the Tennessee River. The maximum individual dose from drinking water was assumed to be that calculated at the nearest downstream public water supply (Champion Paper Company). The maximum potential recreation dose was calculated for a location immediately downstream from the plant outfall. Dose estimates for the liquid effluents are presented in tables 13 and 14.

## Direct Radiation

External gamma radiation levels were measured by thermoluminescent dosimeters (TLDs) deployed around BFN. The quarterly gamma radiation levels determined from these TLDs during this reporting period averaged approximately 20.7 mR/quarter at onsite stations and approximately 17.3 mR/quarter at offsite stations, or approximately 3 mR/quarter higher onsite than at offsite stations. This is consistent with levels reported at TVA's nonoperating nuclear power plant construction sites where the average radiation levels onsite are generally 2-6 mR/quarter higher than the levels offsite. This may be attributable to natural variations in environmental radiation levels, earth moving activities onsite, the mass of concrete employed in the construction of the plants, or other undetermined influences. Fluctuations in natural background dose rates and in TLD readings tend to mask any small increments which may be due to plant operations. Thus, there was no identifiable increase in dose rate levels attributable to direct radiation from plant equipment and/or gaseous effluents.

## Dose Summary

Doses calculated for this semiannual period result from the low-level effluent releases of units 1, 2, and 3. For gaseous effluents released in the third quarter, the maximum gamma and beta air doses were calculated to be 0.51 and 0.98 mrad, respectively. During the fourth quarter, the gamma and beta air doses were 0.30 and 0.58 mrad, respectively. These quarterly doses are well below the annual air dose guidelines (as specified in Appendix I to 10 CFR 50) of 30 and 60 mrad for gamma and beta radiation, respectively, for three reactor units. The maximum doses from noble gases to the skin and total body during the third quarter were calculated to be 0.48 and 0.31 mrem. During the fourth quarter, the skin and total body were doses 0.17 and 0.10 mrem, respectively. The dose to the maximum exposed organ was 0.08 mrem to the thyroid for the third quarter and 0.06 mrem to the thyroid for the fourth quarter. These compare with annual dose guidelines of 45 mrem to the skin and maximum exposed organ and 15 mrem to the total body. These doses result from ingestion, inhalation, and ground contamination pathways and can be compared to a natural background radiation dose to an individual of about 90 mrem/yr.

For liquid effluents released in the third quarter, the maximum individual doses to the total body and the maximum exposed organ (i.e., liver) were calculated to be 0.095 and 0.12 mrem, respectively. In the fourth quarter, the maximum doses to the total body and liver were 0.31 and 0.41 mrem, respectively. These compare with annual dose guidelines as specified in Appendix I to 10 CFR 50 of 9 and 30 mrem to the total body and maximum exposed organ, respectively, for three units.

Population doses from gaseous effluents during the third quarter were estimated to be 5.34 man-rem to the total body and 5.81 man-rem to the thyroid. For the fourth quarter, population doses were 2.60 man-rem to the total body and 2.73 man-rem to the thyroid.

From liquid releases during the third quarter, the total population along the Tennessee River was estimated to receive 7.5 man-rem to the total body and 13 man-rem to the maximum exposed organ (liver). For the fourth

quarter, the Tennessee River population was estimated to receive 24 man-rem to the total body and 40 man-rem to the maximum exposed organ (liver).

Population doses can be compared to the natural background dose to the 627,000 persons living within 50 miles of the plant of about 56,430 man-rem/yr. In summary, all doses calculated were below the guidelines of Appendix I to 10 CFR 50 and below the limits specified in the BFN Technical Specifications for plant operation.

A tabulation for the quarterly doses over a 5-year period is given in table 15.



Table 1

## BFN - Gaseous Effluent Releases - Third Quarter 1984

## BFNP STACK RELEASES

## NUCLIDE RELEASE RATE (CURIES/YEAR)

1 TRITIUM	1.57E-01
2 AR-41	3.05E+02
3 MN-54	4.55E-05
4 CO-60	1.60E-05
5 KR-85M	3.09E+04
6 KR-87	5.06E+03
7 KR-85	3.10E+04
8 SR-89	4.70E-04
9 SR-90	1.52E-05
10 XE-135	1.12E+05
11 XE-135	2.00E+03
12 CS-137	7.89E-05
13 SA-140	1.74E-03
14 LA-140	1.34E-03
15 I-131	1.75E-02
16 MI-131	1.95E-02
17 I-133	4.85E-02
18 MI-133	4.85E-02
19 I-135	4.63E-02
20 MI-135	4.63E-02
21 KR-85	0.00E+00
22 RB-86	0.00E+00
23 Y-90	0.00E+00
24 CS-135	0.00E+00
25 XE-131M	0.00E+00
26 XE-133M	0.00E+00
27 XE-135M	0.00E+00

TOTAL RELEASE \*\*\*\*\* 1.02E+05

## BFN REACTOR BLDG. RELEASES

## NUCLIDE RELEASE RATE (CURIES/YEAR)

1 TRITIUM	2.75E+00
2 MN-54	8.11E-06
3 CO-60	5.77E-05
4 SR-89	1.07E-06
5 SR-90	3.19E-07
6 XE-135	5.61E+02
7 CS-134	5.47E-05
8 CS-137	1.49E-04
9 I-131	1.39E-04
10 MI-131	1.39E-04
11 I-133	1.42E-03
12 MI-133	1.42E-03
13 Y-90	0.00E+00
14 CS-135	0.00E+00
15 XE-131M	0.00E+00
16 XE-133	0.00E+00
17 XE-133M	0.00E+00

TOTAL RELEASE \*\*\*\*\* 5.64E+02

## BFNP TURBINE BUILDING RELEASES

## NUCLIDE RELEASE RATE (CURIES/YEAR)

1 TRITIUM	7.30E-01
2 SR-89	1.64E-05
3 SR-90	4.72E-07
4 XE-135	7.91E+02
5 CS-134	3.88E-06
6 CS-137	7.63E-06
7 SA-140	2.06E-05
8 I-131	1.60E-04
9 MI-131	1.60E-04
10 I-133	1.15E-03
11 MI-133	1.15E-03
12 Y-90	0.00E+00
13 CS-135	0.00E+00
14 LA-140	0.00E+00
15 XE-131M	0.00E+00
16 XE-133	0.00E+00
17 XE-133M	0.00E+00

TOTAL RELEASE \*\*\*\*\* 7.92E+02

## BFNP RADWASTE BUILDING RELEASES

## NUCLIDE RELEASE RATE (CURIES/YEAR)

1 TRITIUM	3.34E-02
2 SR-89	5.59E-07
3 SR-90	6.33E-06
4 XE-133	0.51E+01
5 XE-135	1.65E+02
6 CS-137	2.59E-05
7 Y-90	0.00E+00
8 CS-135	0.00E+00

TOTAL RELEASE \*\*\*\*\* 2.30E+02

Table 2

## BFN - Gaseous Effluent Releases - Fourth Quarter 1984

BFNP STACK RELEASES		BFN REACTOR BLDG. RELEASES		BFNP RADWASTE BUILDING RELEASES		BFNP TURBINE BUILDING RELEASES	
NUCLIDE RELEASE RATE (CURIES/YEAR)		NUCLIDE RELEASE RATE (CURIES/YEAR)		NUCLIDE RELEASE RATE (CURIES/YEAR)		NUCLIDE RELEASE RATE (CURIES/YEAR)	
1 TRITIUM	6.31E-02	1 TRITIUM	5.46E+00	1 TRITIUM	4.13E-02	1 TRITIUM	2.29E-01
2 SR-89	7.54E+02	2 SR-89	2.41E+06	2 CO-60	2.41E-04	2 CO-60	2.42E-06
3 KR-85M	7.25E+02	3 SR-90	3.72E-07	3 SR-89	6.16E-07	3 SR-89	1.03E-05
4 KR-87	1.37E+04	4 XE-133	5.65E+02	4 SR-90	7.40E-02	4 SR-90	2.47E-07
5 KR-93	1.71E+04	5 XE-135	1.78E+02	5 XE-135	3.30E+02	5 I-131	3.22E-04
6 SR-89	5.37E-04	6 CS-134	1.98E-04	6 CS-134	3.93E-06	6 MI-131	3.22E-04
7 SR-90	2.25E-06	7 CS-137	2.37E-04	7 CS-137	6.53E-06	7 I-133	1.84E-03
8 XE-133	2.93E+03	8 LA-140	2.31E-04	8 SA-140	5.14E-04	8 MI-133	1.04E-03
9 XE-135	1.15E+03	9 I-131	2.02E-03	9 I-131	9.50E-05	9 Y-90	0.00E+00
10 CS-137	4.00E-06	10 MI-131	2.02E-03	10 MI-131	9.60E-05	10 XE-131M	0.00E+00
11 SA-140	1.51E-03	11 I-133	9.30E-03	11 I-133	2.73E-04	11 XE-135	0.00E+00
12 LA-140	7.42E-04	12 MI-133	9.30E-03	12 MI-133	2.73E-04	12 XE-133M	0.00E+00
13 I-131	3.45E-03	13 I-135	1.13E-03	13 Y-90	0.00E+00		
14 MI-131	3.45E-03	14 MI-135	1.13E-03	14 CS-135	0.00E+00		
15 I-133	2.00E-07	15 Y-90	0.00E+00	15 LA-140	0.00E+00		
16 MI-133	2.00E-02	16 CS-135	0.00E+00	16 XE-131M	0.00E+00		
17 I-135	1.37E-02	17 XE-131M	0.00E+00	17 XE-133	0.00E+00		
18 MI-135	1.37E-02	18 XE-133M	0.00E+00	18 XE-133M	0.00E+00		
19 KR-85	0.00E+00	19 XE-135M	0.00E+00				
20 KR-86	0.00E+00						
21 Y-90	0.00E+00						
22 CS-135	0.00E+00						
23 XE-131M	0.00E+00						
24 XE-133M	0.00E+00						
25 XE-135M	0.00E+00						
TOTAL RELEASE *****	5.39E+04	TOTAL RELEASE *****	7.40E+02	TOTAL RELEASE *****	3.30E+02	TOTAL RELEASE *****	2.32E-01

Table 3

## BFN - Liquid Effluent Releases

Activity (uCi)

1984

## Third Quarter

Nuclide	Activity
H-3	7.18E+06 a
NA-24	5.12E+04
CR-51	6.03E+03
MN-54	2.44E+03
MN-56	3.54E+02
CO-58	2.87E+02
CO-60	2.99E+04
ZN-65	6.04E+04
SR-89	1.48E+03
SR-90	1.50E+02
TC-99M	2.35E+03
AG-110M	4.07E+02
I-131	3.99E+04
I-133	6.47E+04
I-135	3.45E+04
CS-134	6.27E+04
CS-136	5.84E+02
CS-137	8.36E+04
XE-133	1.54E+05
XE-135	1.97E+05
BA-140	5.25E+02
LA-140	5.25E+02
CE-141	1.34E+04
TOTAL	7.99E+06

## Fourth Quarter

Nuclide	Activity
H-3	1.12E+07
NA-24	3.11E+04
CR-51	7.79E+02
MN-54	6.07E+03
MN-56	1.10E+02
CO-58	4.08E+02
CO-60	7.85E+04
ZN-65	1.24E+05
SR-89	4.99E+01
SR-90	6.85E+00
ZR-95	1.01E+02
NB-95	7.28E+02
MO-99	1.99E+03
TC-99M	1.99E+03
AG-110M	1.56E+03
I-131	1.75E+04
I-133	7.14E+04
I-135	5.39E+04
XE-133	2.32E+05
XE-135	3.68E+05
CS-134	2.23E+05
CS-136	1.32E+03
CS-137	2.25E+05
BA-140	4.59E+02
LA-140	4.52E+03
CE-141	4.76E+04
TOTAL	1.27E+07

a 7.1E+06 = 7.18 x 10<sup>6</sup>

Table 3a

## BFN - RECEPTOR LOCATIONS AND POINTS OF INTEREST

	POINT	SECTOR	DISTANCE (ft)	ELEVATION (ft)
1	SITE BOUNDARY	N	1525.	7.
2	SITE BOUNDARY	NNE	1300.	4.
3	SITE BOUNDARY	NE	1250.	7.
4	SITE BOUNDARY	ENE	1450.	0.
5	SITE BOUNDARY	E	1375.	0.
6	SITE BOUNDARY	ESE	1575.	0.
7	SITE BOUNDARY	SE	5600.	-4.
8	SITE BOUNDARY	SSE	2875.	-1.
9	SITE BOUNDARY	S	2550.	-5.
10	SITE BOUNDARY	SSW	2425.	-5.
11	SITE BOUNDARY	SW	2300.	-5.
12	SITE BOUNDARY	WSW	2500.	-5.
13	SITE BOUNDARY	W	2550.	-5.
14	SITE BOUNDARY	WNW	3325.	-5.
15	SITE BOUNDARY	NW	2275.	-5.
16	SITE BOUNDARY	NNA	1650.	0.
17	AIR DOSE POINT	NA	5100.	15.
18	AIR DOSE POINT	NA	5500.	15.
19	AIR DOSE POINT	NW	6100.	15.
20	AIR DOSE POINT	NW	5500.	15.
21	AIR DOSE POINT	NW	6800.	15.
22	AIR DOSE POINT	NW	7100.	15.
23	NEAREST RESIDENT, GARDEN	N	2575.	15.
24	NEAREST RESIDENT	NNE	2345.	15.
25	NEAREST RESIDENT	NE	4075.	15.
26	NEAREST RESIDENT, GARDEN	ENE	1900.	15.
27	NEAREST RESIDENT	E	4155.	15.
28	NEAREST RESIDENT	ESE	4655.	-12.
29	NEAREST RESIDENT	SE	2100.	0.
30	NEAREST RESIDENT	SSE	7155.	0.
31	NEAREST RESIDENT	S	4420.	0.
32	NEAREST RESIDENT	SSW	4155.	0.
33	NEAREST RESIDENT	SW	4155.	7.
34	NEAREST RESIDENT	WSW	2450.	0.
35	NEAREST RESIDENT	W	2550.	-24.
36	NEAREST RESIDENT	WNW	4425.	19.
37	NEAREST RESIDENT, GARDEN	NW	3500.	-7.
38	NEAREST RESIDENT, GARDEN	NNA	1650.	-2.
39	GARDEN	NNE	1550.	0.
40	MILK COW CHILD	N	7925.	21.
41	MILK COW ADULT	NE	7700.	37.
42	MILK COW CHILD	E	2400.	21.
43	MILK COW TEEN	NNA	10975.	20.
44	GOAT INFANT	NE	10975.	0.

Table 4

BFN - Meteorological Data Ground-Level JFD In Percent  
Third Quarter 1984

STABILITY CLASS A

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.15	0.45	1.10	1.99	2.90	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.090	0.090	1.479	0.230	0.000	0.000	1.889
NNE	0.000	0.000	0.000	0.090	0.320	1.150	0.370	0.000	0.000	1.930
NE	0.000	0.000	0.000	0.050	0.180	0.130	0.060	0.000	0.000	0.410
ENE	0.000	0.000	0.000	0.050	0.090	0.000	0.000	0.000	0.000	0.140
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.140	0.120	0.050	0.000	0.000	0.000	0.310
SE	0.000	0.000	0.090	2.367	1.059	0.130	0.000	0.000	0.000	5.398
SSE	0.000	0.000	0.000	1.799	0.230	0.000	0.000	0.000	0.000	2.959
S	0.000	0.000	0.370	2.109	0.050	0.000	0.000	0.000	0.000	2.529
SSW	0.000	0.000	0.090	0.400	0.150	0.000	0.000	0.000	0.000	0.730
SW	0.000	0.000	0.000	0.420	0.150	0.000	0.000	0.000	0.000	0.690
WSW	0.000	0.000	0.000	0.420	0.370	0.050	0.000	0.000	0.000	0.840
W	0.000	0.000	0.000	0.050	0.050	0.000	0.000	0.000	0.000	0.100
WNW	0.000	0.000	0.000	0.150	0.140	0.110	0.000	0.000	0.000	0.500
NW	0.000	0.000	0.000	0.090	0.090	0.090	0.050	0.000	0.000	0.320
NNW	0.000	0.000	0.000	0.000	0.050	0.230	0.000	0.000	0.000	0.280
TOTALS	0.000	0.000	2.117	8.077	3.059	3.049	0.050	0.000	0.000	19.153

STABILITY CLASS B

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.15	0.45	1.10	1.99	2.90	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.090	0.140	0.230	0.050	0.000	0.000	0.510
NNE	0.000	0.000	0.000	0.090	0.420	0.230	0.050	0.000	0.000	0.840
NE	0.000	0.000	0.050	0.320	0.150	0.050	0.000	0.000	0.000	0.500
ENE	0.000	0.000	0.000	0.280	0.050	0.000	0.000	0.000	0.000	0.330
E	0.000	0.000	0.000	0.090	0.050	0.000	0.000	0.000	0.000	0.140
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.420	0.320	0.090	0.000	0.000	0.000	0.000	0.830
SSE	0.000	0.000	0.140	0.370	0.000	0.000	0.000	0.000	0.000	0.510
S	0.000	0.000	0.120	0.230	0.000	0.000	0.000	0.000	0.000	0.410
SSW	0.000	0.000	0.090	0.140	0.000	0.000	0.000	0.000	0.000	0.230
SW	0.000	0.000	0.140	0.370	0.000	0.000	0.000	0.000	0.000	0.510
WSW	0.000	0.000	0.140	0.090	0.000	0.050	0.000	0.000	0.000	0.280
W	0.000	0.000	0.000	0.140	0.050	0.050	0.000	0.000	0.000	0.240
WNW	0.000	0.000	0.000	0.230	0.230	0.090	0.000	0.000	0.000	0.600
NW	0.000	0.000	0.050	0.050	0.050	0.140	0.000	0.000	0.000	0.290
NNW	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.050
TOTALS	0.000	0.000	1.210	2.909	1.260	0.390	0.100	0.000	0.000	6.368

Table 4

(Continued)

## STABILITY CLASS C

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.15	0.45	1.10	1.99	2.38	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.090	0.090	0.140	0.200	0.000	0.000	0.000	0.600
NNE	0.000	0.000	0.050	0.230	0.090	0.180	0.090	0.000	0.000	0.640
NE	0.000	0.000	0.000	0.090	0.240	0.050	0.000	0.000	0.000	0.420
ENE	0.000	0.000	0.000	0.050	0.000	0.350	0.000	0.000	0.000	0.100
E	0.000	0.000	0.000	0.050	0.120	0.000	0.000	0.000	0.000	0.230
ESE	0.000	0.000	0.090	0.000	0.000	0.000	0.000	0.000	0.000	0.090
SE	0.000	0.000	0.320	0.230	0.000	0.000	0.000	0.000	0.000	0.550
SSE	0.000	0.000	0.510	0.140	0.050	0.000	0.000	0.000	0.000	0.700
S	0.000	0.000	0.090	0.140	0.000	0.000	0.000	0.000	0.000	0.230
SSW	0.000	0.000	0.140	0.230	0.000	0.000	0.000	0.000	0.000	0.370
SW	0.000	0.000	0.140	0.140	0.000	0.000	0.000	0.000	0.000	0.280
WSW	0.000	0.000	0.050	0.320	0.000	0.000	0.000	0.000	0.000	0.420
W	0.000	0.000	0.000	0.090	0.050	0.050	0.000	0.000	0.000	0.190
WNW	0.000	0.000	0.050	0.090	0.090	0.050	0.000	0.000	0.000	0.330
NW	0.000	0.000	0.000	0.050	0.140	0.350	0.000	0.000	0.000	0.280
NNW	0.000	0.000	0.000	0.000	0.230	0.090	0.050	0.000	0.000	0.420
TOTALS	0.000	0.000	1.527	1.737	1.500	0.370	0.190	0.000	0.000	5.343

## STABILITY CLASS D

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.15	0.45	1.10	1.99	2.38	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.230	0.260	0.550	1.100	0.260	0.000	0.000	2.549
NNE	0.000	0.000	0.370	0.260	0.650	0.740	0.050	0.000	0.000	2.089
NE	0.000	0.000	0.320	0.650	0.230	0.050	0.000	0.000	0.000	1.250
ENE	0.000	0.000	0.230	0.350	0.090	0.090	0.000	0.000	0.000	1.010
E	0.000	0.050	0.320	0.320	0.130	0.050	0.000	0.000	0.000	0.920
ESE	0.000	0.000	0.140	0.180	0.050	0.050	0.000	0.000	0.000	0.420
SE	0.000	0.000	1.709	1.359	0.590	0.130	0.000	0.000	0.000	4.238
SSE	0.000	0.050	1.200	0.460	0.000	0.000	0.000	0.000	0.000	1.709
S	0.000	0.000	1.250	1.020	0.050	0.000	0.000	0.000	0.000	2.319
SSW	0.000	0.050	1.290	0.150	0.000	0.000	0.000	0.000	0.000	1.519
SW	0.000	0.050	0.460	0.140	0.000	0.000	0.000	0.000	0.000	0.650
WSW	0.000	0.000	1.479	1.110	0.090	0.050	0.000	0.000	0.000	2.729
W	0.000	0.000	0.600	1.020	0.230	0.050	0.000	0.000	0.000	1.949
WNW	0.000	0.000	0.050	0.180	0.180	0.230	0.050	0.000	0.000	0.690
NW	0.000	0.000	0.350	0.140	0.180	0.180	0.000	0.000	0.000	0.550
NNW	0.000	0.000	0.180	0.180	0.490	0.090	0.000	0.000	0.000	1.000
TOTALS	0.000	0.200	7.970	6.347	3.679	2.919	0.470	0.000	0.000	25.590

Table 4  
(Continued)

STABILITY CLASS E

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.79	2.58	4.45	5.91	9.59	10.95	
N	0.002	0.050	0.370	0.140	0.420	0.230	0.300	0.000	0.000	1.212
NNE	0.009	0.230	0.090	0.400	0.550	0.050	0.300	0.000	0.000	1.936
NE	0.300	0.090	0.130	0.050	0.230	0.140	0.300	0.000	0.000	1.243
ENE	0.005	0.140	0.030	0.400	0.140	0.050	0.000	0.000	0.000	1.624
E	0.302	0.050	1.020	1.020	0.090	0.000	0.300	0.000	0.000	2.131
ESE	0.300	0.000	0.550	0.400	0.090	0.000	0.300	0.000	0.000	1.200
SE	0.003	0.090	2.070	1.250	0.000	0.090	0.000	0.000	0.000	4.111
SSE	0.003	0.070	0.350	0.100	0.000	0.000	0.000	0.000	0.000	1.153
S	0.003	0.070	1.470	0.090	0.090	0.000	0.000	0.000	0.000	1.752
SSW	0.007	0.100	0.330	0.090	0.300	0.000	0.000	0.000	0.000	1.107
SW	0.003	0.090	0.200	0.050	0.000	0.000	0.000	0.000	0.000	0.423
WSW	0.000	0.000	0.330	0.000	0.050	0.050	0.000	0.000	0.000	1.570
W	0.000	0.000	0.420	0.790	0.050	0.050	0.000	0.000	0.000	1.310
WNW	0.000	0.000	0.090	0.000	0.090	0.000	0.000	0.000	0.000	0.180
NW	0.000	0.000	0.140	0.140	0.140	0.000	0.050	0.000	0.000	0.470
NNW	0.003	0.090	0.460	0.370	0.510	0.230	0.000	0.000	0.000	1.662
TOTALS	0.043	1.190	11.276	6.097	3.049	0.390	0.050	0.000	0.000	23.194

STABILITY CLASS F

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.79	2.58	4.45	5.91	9.59	10.95	
N	0.005	0.130	0.000	0.510	0.320	0.000	0.000	0.000	0.000	1.894
NNE	0.010	0.370	0.000	1.000	0.000	0.230	0.000	0.000	0.000	2.869
NE	0.000	0.230	0.310	0.370	0.090	0.000	0.300	0.000	0.000	1.206
ENE	0.004	0.140	0.770	0.550	0.140	0.050	0.000	0.000	0.000	2.133
E	0.001	0.050	0.370	0.370	0.000	0.000	0.000	0.000	0.000	0.791
ESE	0.005	0.130	0.230	0.090	0.000	0.000	0.000	0.000	0.000	0.505
SE	0.002	0.090	0.370	0.140	0.000	0.000	0.000	0.000	0.000	0.602
SSE	0.000	0.000	0.130	0.000	0.000	0.000	0.000	0.000	0.000	0.130
S	0.001	0.050	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.101
SSW	0.001	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.051
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.001	0.050	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.101
W	0.001	0.050	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.101
WNW	0.001	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.141
NW	0.001	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.231
NNW	0.004	0.130	0.370	0.250	0.050	0.000	0.000	0.000	0.000	0.794
TOTALS	0.043	1.070	4.756	3.789	1.200	0.230	0.000	0.000	0.000	11.749

Table 4

(Continued)

## STABILITY CLASS G

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.98	4.45	6.91	9.59	10.95	
N	0.010	0.230	1.200	0.650	0.050	0.000	0.000	0.000	0.000	2.179
NNE	0.008	0.180	1.160	0.970	0.460	0.000	0.000	0.000	0.000	2.777
NE	0.008	0.160	0.550	0.000	0.000	0.000	0.000	0.000	0.000	0.738
ENE	0.002	0.050	0.460	0.050	0.000	0.000	0.000	0.000	0.000	0.562
E	0.000	0.000	0.450	0.510	0.000	0.000	0.000	0.000	0.000	0.970
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050
SSE	0.002	0.050	0.350	0.000	0.000	0.000	0.000	0.000	0.000	0.102
S	0.002	0.050	0.350	0.000	0.000	0.000	0.000	0.000	0.000	0.102
SSW	0.002	0.050	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.052
SW	0.000	0.000	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.300
WNW	0.002	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.052
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.008	0.160	0.220	0.000	0.000	0.000	0.000	0.000	0.000	0.516
TOTALS	0.044	1.020	4.253	2.269	0.510	0.000	0.000	0.000	0.000	3.101



Table 5

BFN - Meteorological Data  
Ground-Level JFD In Percent  
Fourth Quarter 1984

## STABILITY CLASS A

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.35	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.000	0.220	0.000	0.000	0.000	0.220
NNE	0.000	0.000	0.000	0.000	0.000	0.103	0.220	0.000	0.000	0.411
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.046
SE	0.000	0.000	0.411	1.279	0.071	0.000	0.000	0.000	0.000	1.731
SSE	0.000	0.000	0.091	0.731	0.274	0.000	0.000	0.000	0.000	1.092
S	0.000	0.000	0.000	0.320	0.274	0.000	0.000	0.000	0.000	0.594
SSW	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
TOTALS	0.000	0.000	0.502	2.422	0.731	0.411	0.319	0.046	0.000	4.430

## STABILITY CLASS B

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.35	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.000	0.183	0.000	0.000	0.000	0.183
NNE	0.000	0.000	0.000	0.000	0.000	0.071	0.183	0.000	0.000	0.274
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.046
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.731	0.000	0.000	0.000	0.000	0.000	0.731
SSE	0.000	0.000	0.000	0.457	0.091	0.046	0.000	0.000	0.000	0.594
S	0.000	0.000	0.000	0.091	0.091	0.000	0.000	0.000	0.000	0.182
SSW	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.046
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.046
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.046	0.000	0.046	0.000	0.000	0.000	0.092
NW	0.000	0.000	0.000	0.046	0.000	0.274	0.000	0.046	0.000	0.366
NNW	0.000	0.000	0.000	0.000	0.000	0.183	0.000	0.000	0.000	0.183
TOTALS	0.000	0.000	0.046	1.371	0.220	0.323	0.229	0.046	0.000	2.743

Table 5

(Continued)

## STABILITY CLASS C

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0-13	0-45	1-10	1-99	2-88	4-45	6-91	9-59	10-95	
N	0.000	0.000	0.000	0.046	0.183	0.346	0.000	0.000	0.000	0.275
NNE	0.000	0.000	0.000	0.000	0.000	0.091	0.000	0.000	0.000	0.091
NNE	0.000	0.000	0.000	0.000	0.000	0.071	0.000	0.000	0.000	0.071
ENE	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.046
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.457	0.457	0.091	0.000	0.000	0.000	0.000	1.005
SSE	0.000	0.000	0.320	0.091	0.091	0.046	0.000	0.000	0.000	0.543
S	0.000	0.000	0.137	0.137	0.091	0.000	0.000	0.000	0.000	0.365
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
WSW	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.046
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.137	0.046	0.274	0.046	0.000	0.000	0.533
NW	0.000	0.000	0.000	0.103	0.046	0.091	0.000	0.000	0.000	0.240
NNW	0.000	0.000	0.000	0.046	0.046	0.274	0.000	0.000	0.000	0.366
TOTALS	0.000	0.000	0.960	1.143	0.640	0.913	0.046	0.000	0.000	3.701

## STABILITY CLASS D

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0-13	0-45	1-10	1-99	2-88	4-45	6-91	9-59	10-95	
N	0.000	0.000	0.046	0.365	0.640	0.777	0.411	0.000	0.000	2.239
NNE	0.000	0.000	0.046	0.640	0.549	1.035	0.457	0.000	0.000	2.645
NNE	0.000	0.000	0.091	0.457	0.346	0.731	0.046	0.000	0.000	1.673
ENE	0.000	0.000	0.274	0.228	0.135	0.000	0.000	0.000	0.000	0.637
E	0.000	0.046	0.320	0.411	0.046	0.000	0.000	0.000	0.000	0.823
ESE	0.000	0.000	0.228	0.274	0.000	0.000	0.000	0.000	0.000	0.502
ESE	0.000	0.157	1.164	1.645	0.731	0.228	0.000	0.000	0.000	4.704
SSE	0.000	0.046	1.103	1.599	0.274	0.137	0.000	0.000	0.000	3.107
S	0.000	0.000	0.959	1.323	0.640	0.137	0.000	0.000	0.000	3.137
SSW	0.000	0.000	0.228	0.103	0.091	0.046	0.000	0.000	0.000	0.543
SW	0.000	0.046	0.137	0.137	0.000	0.000	0.000	0.000	0.000	0.320
WSW	0.000	0.000	0.046	0.274	0.046	0.346	0.000	0.000	0.000	0.712
W	0.000	0.000	0.274	0.457	0.320	0.046	0.000	0.000	0.000	1.097
WNW	0.000	0.046	0.091	0.365	0.274	0.549	0.594	0.137	0.000	2.101
NW	0.000	0.000	0.000	0.046	0.091	0.411	0.157	0.046	0.000	1.462
NNW	0.000	0.000	0.071	0.137	0.320	1.005	0.137	0.000	0.000	1.752
TOTALS	0.000	0.0321	5.345	8.542	6.751	11.152	2.559	0.229	0.000	27.409

Table 5

(Continued)

## STABILITY CLASS E

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	
N	0.001	0.046	0.137	0.228	0.320	0.091	0.046	0.000	0.000	0.669
NNE	0.005	0.091	0.343	0.411	0.622	1.096	0.000	0.000	0.000	2.973
NE	0.003	0.091	0.320	0.183	0.320	0.229	0.000	0.000	0.000	1.145
ENE	0.005	0.091	0.340	0.183	0.046	0.000	0.000	0.000	0.000	0.965
E	0.010	0.091	1.279	0.457	0.000	0.000	0.000	0.000	0.000	1.537
ESE	0.007	0.046	1.003	0.622	0.133	0.000	0.000	0.000	0.000	2.003
SE	0.024	0.365	3.315	1.919	0.303	0.000	0.000	0.000	0.000	5.325
SSE	0.014	0.320	1.599	2.504	0.368	0.046	0.000	0.000	0.000	5.450
S	0.003	0.228	0.959	1.964	1.133	1.279	0.091	0.000	0.000	5.710
SSW	0.003	0.091	0.274	0.183	0.000	0.411	0.000	0.000	0.000	1.465
SW	0.003	0.137	0.320	0.091	0.000	0.000	0.000	0.000	0.000	0.551
WSW	0.004	0.046	0.457	0.228	0.046	0.000	0.000	0.000	0.000	0.827
W	0.001	0.000	0.137	0.320	0.300	0.046	0.000	0.000	0.000	0.451
WNW	0.001	0.046	0.046	0.091	0.274	0.000	0.000	0.000	0.000	0.451
NW	0.001	0.000	0.091	0.368	0.137	0.091	0.000	0.000	0.000	0.665
NNW	0.003	0.000	0.365	0.503	0.274	0.320	0.046	0.000	0.000	1.511
TOTALS	0.093	1.069	11.235	10.439	5.483	3.653	0.183	0.000	0.000	32.796

## STABILITY CLASS F

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	
N	0.002	0.046	0.137	0.365	0.046	0.000	0.000	0.000	0.000	0.596
NNE	0.003	0.091	0.320	0.183	0.133	0.091	0.000	0.000	0.000	0.671
NE	0.002	0.000	0.133	0.183	0.000	0.000	0.000	0.000	0.000	0.360
ENE	0.005	0.000	0.594	0.183	0.000	0.000	0.000	0.000	0.000	0.782
E	0.019	0.046	2.147	0.623	0.000	0.000	0.000	0.000	0.000	2.897
ESE	0.006	0.091	0.540	0.046	0.000	0.000	0.000	0.000	0.000	0.783
SE	0.027	0.365	2.332	0.959	0.228	0.137	0.000	0.000	0.000	4.547
SSE	0.014	0.365	1.233	0.457	0.274	0.223	0.000	0.000	0.000	2.571
S	0.003	0.320	0.594	1.035	0.503	0.365	0.091	0.000	0.000	2.507
SSW	0.002	0.091	0.137	0.046	0.046	0.000	0.000	0.000	0.000	0.322
SW	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.046
WNW	0.001	0.046	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.093
NW	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.046
NNW	0.003	0.000	0.320	0.183	0.046	0.000	0.000	0.000	0.000	0.552
TOTALS	0.092	1.537	9.274	4.274	1.320	0.502	0.091	0.000	0.000	17.086

Table 5

(Continued)

STABILITY CLASS G

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.15	0.45	1.15	1.99	2.15	4.45	6.91	9.59	19.95	
N	0.312	0.045	0.543	0.227	0.000	0.000	0.000	0.000	0.000	0.927
NNE	0.024	0.394	0.731	0.731	0.274	0.000	0.000	0.000	0.000	2.354
NE	0.009	0.133	0.323	0.046	0.046	0.000	0.000	0.000	0.000	0.594
ENE	0.017	0.133	0.777	0.157	0.000	0.000	0.000	0.000	0.000	1.114
E	0.020	0.000	1.093	0.320	0.000	0.000	0.000	0.000	0.000	1.433
ESE	0.001	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047
SE	0.015	0.365	0.593	0.502	0.091	0.000	0.000	0.000	0.000	1.477
SSE	0.020	0.046	1.051	0.214	0.137	0.000	0.000	0.000	0.000	2.157
S	0.007	0.220	0.123	0.320	0.091	0.000	0.000	0.000	0.000	0.623
SSW	0.002	0.071	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.073
SW	0.002	0.046	0.046	0.200	0.000	0.000	0.000	0.000	0.000	0.294
WSW	0.001	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.047
W	0.001	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047
WNW	0.001	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.047
NW	0.002	0.046	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.139
NNW	0.004	0.046	0.153	0.153	0.000	0.000	0.000	0.000	0.000	0.419
TOTALS	0.130	1.255	5.712	3.332	0.639	0.000	0.000	0.000	0.000	11.836

Table 6

BFN - Meteorological Data Split-Level JFD  
In Percent Ground-Level Portion  
Third Quarter 1984

## STABILITY CLASS A

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	
H	0.000	0.000	0.000	0.000	0.010	0.220	0.070	0.000	0.000	0.300
NNE	0.000	0.000	0.000	0.000	0.020	0.160	0.060	0.000	0.000	0.260
NE	0.000	0.000	0.000	0.000	0.020	0.030	0.000	0.000	0.000	0.050
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.010	0.020	0.010	0.000	0.000	0.000	0.040
SE	0.000	0.000	0.000	0.120	0.210	0.060	0.000	0.000	0.000	0.389
SSE	0.000	0.000	0.010	0.100	0.040	0.040	0.000	0.000	0.000	0.190
S	0.000	0.000	0.010	0.110	0.010	0.000	0.000	0.000	0.000	0.130
SSW	0.000	0.000	0.000	0.030	0.030	0.000	0.000	0.000	0.000	0.060
SW	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010
WSW	0.000	0.000	0.000	0.010	0.040	0.010	0.000	0.000	0.000	0.060
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.030
NW	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.030
NNW	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.020
TOTALS	0.000	0.000	0.020	0.369	0.409	0.579	0.170	0.000	0.000	1.568

## STABILITY CLASS B

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.010	0.070	0.010	0.000	0.000	0.090
NNE	0.000	0.000	0.000	0.000	0.050	0.070	0.050	0.000	0.000	0.170
NE	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.030
ENE	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.010
E	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.010
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.010	0.030	0.020	0.010	0.000	0.000	0.000	0.070
SSE	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.050
S	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.020
SSW	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.020
W	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010
WNW	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.020
NW	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.020
NNW	0.000	0.000	0.000	0.000	0.010	0.030	0.000	0.000	0.000	0.040
TOTALS	0.000	0.000	0.010	0.120	0.140	0.240	0.060	0.000	0.000	0.569

Table 6

(Continued)

STABILITY CLASS C

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.33	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.030
NNE	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.020
NE	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.020
ENE	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010
E	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.010
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.020
SSE	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.030
S	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010
SSW	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010
WNW	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.020
NW	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.030
NNW	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.040
TOTALS	0.000	0.000	0.010	0.060	0.060	0.100	0.030	0.000	0.000	0.260

STABILITY CLASS D

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.33	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.010	0.060	0.130	0.070	0.000	0.000	0.320
NNE	0.000	0.000	0.000	0.000	0.060	0.120	0.010	0.000	0.000	0.190
NE	0.000	0.000	0.000	0.030	0.020	0.010	0.000	0.000	0.000	0.060
ENE	0.000	0.000	0.000	0.030	0.010	0.010	0.000	0.000	0.000	0.050
E	0.000	0.000	0.000	0.010	0.020	0.010	0.000	0.000	0.000	0.040
ESE	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.030
SE	0.000	0.000	0.070	0.150	0.150	0.040	0.000	0.000	0.000	0.420
SSE	0.000	0.000	0.070	0.060	0.010	0.000	0.000	0.000	0.000	0.140
S	0.000	0.000	0.050	0.120	0.210	0.000	0.000	0.000	0.000	0.180
SSW	0.000	0.000	0.030	0.020	0.000	0.000	0.000	0.000	0.000	0.050
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.040	0.010	0.010	0.000	0.000	0.000	0.060
W	0.000	0.000	0.000	0.020	0.030	0.010	0.000	0.000	0.000	0.060
WNW	0.000	0.000	0.000	0.000	0.010	0.040	0.010	0.000	0.000	0.060
NW	0.000	0.000	0.000	0.000	0.020	0.050	0.000	0.000	0.000	0.050
NNW	0.000	0.000	0.000	0.000	0.050	0.010	0.030	0.000	0.000	0.090
TOTALS	0.000	0.000	0.220	0.530	0.440	0.470	0.120	0.000	0.000	1.800

Table 6

(Continued)

## STABILITY CLASS E

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.93	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.010	0.060	0.040	0.000	0.000	0.000	0.110
NNE	0.000	0.000	0.010	0.050	0.330	0.010	0.000	0.000	0.000	0.150
NE	0.000	0.000	0.000	0.080	0.340	0.020	0.000	0.000	0.000	0.140
ENE	0.000	0.010	0.010	0.040	0.020	0.010	0.000	0.000	0.000	0.090
E	0.000	0.000	0.030	0.100	0.010	0.000	0.000	0.000	0.000	0.140
ESE	0.000	0.000	0.020	0.040	0.010	0.000	0.000	0.000	0.000	0.070
SE	0.000	0.000	0.160	0.210	0.140	0.020	0.000	0.000	0.000	0.520
SSE	0.000	0.000	0.050	0.050	0.000	0.000	0.000	0.000	0.000	0.110
S	0.000	0.000	0.120	0.010	0.020	0.000	0.000	0.000	0.000	0.150
SSW	0.000	0.010	0.050	0.020	0.000	0.000	0.000	0.000	0.000	0.090
SW	0.000	0.000	0.050	0.010	0.000	0.000	0.000	0.000	0.000	0.010
WSW	0.000	0.000	0.010	0.020	0.010	0.010	0.000	0.000	0.000	0.050
W	0.000	0.000	0.010	0.060	0.000	0.010	0.000	0.000	0.000	0.030
WNW	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.010
NW	0.000	0.000	0.000	0.010	0.020	0.000	0.010	0.000	0.000	0.040
NNW	0.000	0.000	0.010	0.030	0.070	0.050	0.000	0.000	0.000	0.160
TOTALS	0.000	0.020	0.490	0.730	0.480	0.170	0.010	0.000	0.000	1.920

## STABILITY CLASS F

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.93	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.030	0.060	0.060	0.000	0.000	0.000	0.000	0.150
NNE	0.000	0.000	0.020	0.150	0.100	0.040	0.000	0.000	0.000	0.310
NE	0.000	0.000	0.030	0.040	0.020	0.000	0.000	0.000	0.000	0.090
ENE	0.000	0.000	0.040	0.090	0.030	0.010	0.000	0.000	0.000	0.170
E	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.030
ESE	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.040
SE	0.000	0.000	0.010	0.030	0.000	0.000	0.000	0.000	0.000	0.040
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.010	0.030	0.010	0.000	0.000	0.000	0.000	0.050
TOTALS	0.000	0.010	0.150	0.430	0.220	0.050	0.000	0.000	0.000	0.860

Table 6

(Continued)

STABILITY CLASS G

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.13	1.99	2.33	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.050	0.090	0.010	0.000	0.000	0.000	0.000	0.150
NNE	0.000	0.000	0.050	0.130	0.030	0.000	0.000	0.000	0.000	0.260
NE	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.030
NENE	0.000	0.000	0.010	0.030	0.000	0.000	0.000	0.030	0.000	0.010
E	0.000	0.000	0.010	0.030	0.000	0.000	0.000	0.000	0.000	0.040
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.010	0.050	0.000	0.000	0.000	0.000	0.000	0.010
TOTALS	0.000	0.000	0.130	0.250	0.090	0.000	0.000	0.000	0.000	0.469



Table 6 (Continued)

## Elevated Portion of Split-Level JFD

## STABILITY CLASS A

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.33	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.170

## STABILITY CLASS B

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.33	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.170	0.000	0.000	0.000	0.170
SSE	0.000	0.000	0.000	0.250	0.040	0.000	0.000	0.000	0.000	0.290
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.130	0.000	0.000	0.000	0.000	0.130
SW	0.000	0.000	0.000	0.320	0.050	0.000	0.000	0.000	0.000	0.370
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.000	0.000	0.180	0.739	0.599	0.529	0.080	0.000	0.000	1.927

Table 6

(Continued)

STABILITY CLASS C

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.15	0.45	1.10	1.99	2.98	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.000	0.080
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.040
E	0.000	0.000	0.000	0.000	0.120	0.040	0.000	0.000	0.000	0.160
ESE	0.000	0.000	0.000	0.000	0.000	0.040	0.040	0.000	0.000	0.080
SE	0.000	0.000	0.230	0.399	0.040	0.349	0.050	0.000	0.000	1.398
SSE	0.000	0.000	0.050	0.369	0.220	0.040	0.040	0.000	0.000	0.719
S	0.000	0.000	0.230	0.409	0.120	0.050	0.000	0.000	0.000	0.399
SSW	0.000	0.000	0.050	0.369	0.260	0.040	0.040	0.000	0.000	0.759
SW	0.000	0.000	0.230	0.639	0.230	0.120	0.040	0.000	0.000	1.258
WSW	0.000	0.000	0.000	0.320	0.130	0.290	0.000	0.000	0.000	0.739
W	0.000	0.000	0.000	0.000	0.359	0.090	0.000	0.000	0.000	0.449
WNW	0.000	0.000	0.000	0.000	0.000	0.259	0.000	0.000	0.000	0.399
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.000	0.000	0.739	2.936	1.717	1.707	0.200	0.030	0.000	7.379

STABILITY CLASS D

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.15	0.45	1.10	1.99	2.98	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.140	0.369	0.529	2.227	1.158	0.020	0.000	4.503
NNE	0.000	0.000	0.140	0.369	0.679	2.426	1.413	0.210	0.000	5.512
NE	0.000	0.000	0.090	0.399	0.619	0.709	0.000	0.000	0.000	2.296
ENE	0.000	0.000	0.160	0.369	0.399	0.290	0.000	0.000	0.000	1.238
E	0.000	0.050	0.140	0.320	0.270	0.320	0.040	0.000	0.000	1.138
ESE	0.000	0.000	0.090	0.409	0.399	0.569	0.000	0.000	0.000	1.468
SE	0.000	0.000	0.399	2.067	0.839	1.438	1.108	0.170	0.000	6.320
SSE	0.000	0.050	0.320	1.238	1.717	2.066	1.006	0.270	0.020	7.239
S	0.000	0.000	0.230	1.328	1.408	2.424	0.379	0.150	0.000	5.951
SSW	0.000	0.000	0.230	0.919	0.938	1.038	0.230	0.000	0.000	3.375
SW	0.000	0.000	0.160	0.919	0.409	0.000	0.000	0.000	0.000	1.588
WSW	0.000	0.000	0.090	0.919	0.669	0.290	0.040	0.000	0.000	2.007
W	0.000	0.000	0.090	0.369	0.759	0.329	0.060	0.000	0.000	2.127
WNW	0.000	0.000	0.000	0.230	0.439	0.359	0.080	0.040	0.000	1.149
NW	0.000	0.000	0.000	0.549	0.749	0.599	0.150	0.000	0.000	2.097
NNW	0.000	0.000	0.230	0.090	0.359	0.690	0.190	0.020	0.000	1.837
TOTALS	0.000	0.150	4.503	11.702	11.304	17.014	5.261	0.659	0.020	49.894

Table 6

(Continued)

STABILITY CLASS E										
SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.15	0.45	1.10	1.99	2.80	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.260	0.320	0.310	0.289	0.110	0.000	0.000	1.907
NNE	0.000	0.050	0.140	0.230	0.220	0.279	0.339	0.000	0.000	1.657
NE	0.000	0.050	0.140	0.230	0.529	0.839	0.110	0.000	0.000	1.947
ENE	0.000	0.000	0.230	0.160	0.220	0.409	0.600	0.000	0.000	1.038
E	0.000	0.000	0.140	0.369	0.349	0.489	0.070	0.000	0.000	1.418
ESE	0.000	0.000	0.090	0.160	0.529	0.579	0.000	0.000	0.000	1.378
SE	0.000	0.050	0.320	0.559	1.008	0.779	0.190	0.000	0.000	3.215
SSE	0.000	0.000	0.369	0.639	0.629	0.200	0.110	0.000	0.000	1.947
S	0.000	0.050	0.140	0.549	0.130	0.439	0.150	0.000	0.000	1.458
SSW	0.000	0.000	0.230	0.359	0.130	0.290	0.000	0.000	0.000	1.068
SW	0.000	0.000	0.320	0.439	0.399	0.170	0.060	0.000	0.000	1.378
WSW	0.000	0.000	0.140	0.320	0.439	0.040	0.000	0.000	0.000	1.028
W	0.000	0.000	0.090	0.230	0.310	0.080	0.000	0.000	0.000	0.709
WNW	0.000	0.050	0.090	0.090	0.000	0.060	0.000	0.000	0.000	0.270
NW	0.000	0.000	0.090	0.230	0.000	0.160	0.040	0.000	0.000	0.609
NNW	0.000	0.000	0.090	0.140	0.150	0.150	0.040	0.000	0.000	0.609
TOTALS	0.000	0.200	2.900	3.402	5.571	6.280	1.278	0.000	0.000	21.637

STABILITY CLASS F										
SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.15	0.45	1.10	1.99	2.80	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.050	0.050	0.040	0.399	0.000	0.000	0.000	0.539
NNE	0.000	0.000	0.350	0.160	0.260	0.879	0.569	0.000	0.000	1.937
NE	0.000	0.000	0.050	0.260	0.130	0.739	0.320	0.000	0.000	1.513
ENE	0.000	0.000	0.090	0.140	0.349	0.359	0.230	0.000	0.000	1.168
E	0.000	0.000	0.050	0.140	0.090	0.519	0.040	0.000	0.000	0.839
ESE	0.000	0.000	0.050	0.260	0.359	0.170	0.000	0.000	0.000	0.859
SE	0.000	0.000	0.050	0.369	0.170	0.130	0.000	0.000	0.000	0.719
SSE	0.000	0.000	0.050	0.140	0.000	0.000	0.000	0.000	0.000	0.190
S	0.000	0.000	0.000	0.050	0.050	0.000	0.000	0.000	0.000	0.100
SSW	0.000	0.000	0.000	0.050	0.000	0.160	0.000	0.000	0.000	0.210
SW	0.000	0.000	0.090	0.140	0.000	0.000	0.000	0.000	0.000	0.230
WSW	0.000	0.000	0.050	0.090	0.040	0.000	0.000	0.000	0.000	0.180
W	0.000	0.000	0.000	0.050	0.050	0.040	0.000	0.000	0.000	0.140
WNW	0.000	0.000	0.090	0.000	0.000	0.000	0.000	0.000	0.000	0.090
NW	0.000	0.000	0.050	0.050	0.340	0.000	0.000	0.000	0.000	0.140
NNW	0.046	0.050	0.050	0.090	0.090	0.040	0.000	0.000	0.000	0.365
TOTALS	0.046	0.050	0.769	2.097	1.667	3.455	1.138	0.000	0.000	9.222

Table 6

(Continued)

## STABILITY CLASS G

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.15	0.45	1.10	1.99	2.38	3.45	6.91	9.59	10.95	
N	0.000	0.000	0.050	0.000	0.090	0.120	0.000	0.000	0.000	0.260
NNE	0.000	0.000	0.000	0.000	0.000	0.250	0.190	0.000	0.000	0.559
NNE	0.000	0.000	0.000	0.000	0.130	0.449	0.110	0.000	0.000	0.779
ENE	0.000	0.000	0.000	0.000	0.040	0.120	0.000	0.000	0.000	0.160
E	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.040
ESE	0.000	0.000	0.000	0.150	0.000	0.000	0.000	0.000	0.000	0.180
SE	0.000	0.000	0.050	0.230	0.050	0.000	0.000	0.000	0.000	0.329
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.000	0.000	0.100	0.499	0.399	1.003	0.300	0.000	0.000	2.506

Table 7

BFN - Meteorological Data Split-Level JFD  
 In Percent Ground-Level Portion  
 Fourth Quarter 1984

STABILITY CLASS A

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.98	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.000	0.035
NNE	0.000	0.000	0.000	0.000	0.000	0.022	0.046	0.000	0.000	0.074
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.006
SE	0.000	0.000	0.000	0.037	0.014	0.000	0.000	0.000	0.000	0.051
SSE	0.000	0.000	0.000	0.075	0.093	0.000	0.000	0.000	0.000	0.168
S	0.000	0.000	0.000	0.020	0.044	0.000	0.000	0.000	0.000	0.064
SSW	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.005
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.001	0.000	0.044	0.042	0.000	0.087
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.000	0.000	0.000	0.137	0.153	0.003	0.090	0.042	0.000	0.490

STABILITY CLASS B

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.98	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.000	0.026	0.000	0.000	0.000	0.026
NNE	0.000	0.000	0.000	0.000	0.000	0.012	0.037	0.000	0.000	0.049
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010
NENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.029
SSE	0.000	0.000	0.000	0.032	0.045	0.031	0.000	0.000	0.000	0.114
S	0.000	0.000	0.000	0.001	0.031	0.000	0.000	0.000	0.000	0.032
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.007
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.007
W	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.046	0.000	0.082
NNW	0.000	0.000	0.000	0.000	0.000	0.025	0.000	0.000	0.000	0.025
TOTALS	0.000	0.000	0.000	0.068	0.032	0.137	0.047	0.046	0.000	0.391

Table 7

(Continued)

STABILITY CLASS C										
SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.13	1.99	2.85	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.001	0.014	0.005	0.000	0.000	0.000	0.020
NNE	0.000	0.000	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.013
NE	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000	0.000	0.012
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.011	0.026	0.000	0.000	0.000	0.000	0.057
SSE	0.000	0.000	0.000	0.015	0.035	0.040	0.000	0.000	0.000	0.090
S	0.000	0.000	0.000	0.005	0.034	0.000	0.000	0.000	0.000	0.042
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.001	0.003	0.040	0.000	0.000	0.000	0.044
NW	0.000	0.000	0.000	0.001	0.005	0.011	0.000	0.000	0.000	0.017
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.000	0.000	0.022	0.035	0.126	0.156	0.009	0.000	0.000	0.350

STABILITY CLASS D										
SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.13	1.99	2.85	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.003	0.043	0.113	0.122	0.000	0.000	0.291
NNE	0.000	0.000	0.000	0.004	0.040	0.156	0.121	0.000	0.000	0.321
NE	0.000	0.000	0.000	0.006	0.052	0.109	0.010	0.000	0.000	0.177
ENE	0.000	0.000	0.000	0.008	0.017	0.000	0.000	0.000	0.000	0.025
E	0.000	0.000	0.000	0.013	0.006	0.000	0.000	0.000	0.000	0.019
ESE	0.000	0.000	0.000	0.019	0.000	0.000	0.000	0.000	0.000	0.019
SE	0.000	0.000	0.031	0.156	0.157	0.057	0.000	0.000	0.000	0.401
SSE	0.000	0.000	0.051	0.233	0.104	0.000	0.000	0.000	0.000	0.470
S	0.000	0.000	0.019	0.107	0.156	0.124	0.000	0.000	0.000	0.466
SSW	0.000	0.000	0.004	0.022	0.013	0.035	0.000	0.000	0.000	0.055
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.010	0.007	0.007	0.000	0.000	0.000	0.024
W	0.000	0.000	0.000	0.005	0.022	0.000	0.000	0.000	0.000	0.041
WNW	0.000	0.000	0.000	0.004	0.021	0.091	0.159	0.107	0.000	0.412
NW	0.000	0.000	0.000	0.003	0.009	0.071	0.237	0.031	0.000	0.350
NNW	0.000	0.000	0.000	0.005	0.033	0.160	0.042	0.000	0.000	0.240
TOTALS	0.000	0.000	0.123	0.664	0.675	1.027	0.691	0.169	0.000	3.350

Table 7

(Continued)

## STABILITY CLASS E

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.38	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.012	0.045	0.015	0.016	0.000	0.000	0.075
NNE	0.000	0.000	0.005	0.032	0.116	0.131	0.000	0.000	0.000	0.334
NE	0.000	0.000	0.005	0.015	0.044	0.038	0.000	0.000	0.000	0.102
ENE	0.000	0.000	0.014	0.005	0.000	0.000	0.000	0.000	0.000	0.029
E	0.000	0.000	0.029	0.041	0.000	0.000	0.000	0.000	0.000	0.073
ESE	0.000	0.000	0.014	0.075	0.026	0.000	0.000	0.000	0.000	0.115
SE	0.000	0.000	0.143	0.258	0.122	0.000	0.000	0.000	0.000	0.525
SSE	0.000	0.000	0.132	0.466	0.300	0.038	0.000	0.000	0.000	1.136
S	0.000	0.006	0.059	0.290	0.315	0.713	0.073	0.000	0.000	1.466
SSW	0.000	0.000	0.029	0.028	0.095	0.193	0.000	0.000	0.000	0.346
SW	0.000	0.000	0.015	0.015	0.000	0.000	0.000	0.000	0.000	0.030
WSW	0.000	0.000	0.011	0.023	0.007	0.009	0.000	0.000	0.000	0.050
W	0.000	0.000	0.001	0.022	0.000	0.010	0.000	0.000	0.000	0.033
WNW	0.000	0.000	0.000	0.003	0.032	0.009	0.000	0.000	0.000	0.045
NW	0.000	0.000	0.000	0.024	0.015	0.014	0.000	0.000	0.000	0.056
NNW	0.000	0.000	0.000	0.045	0.024	0.032	0.009	0.000	0.000	0.110
TOTALS	0.000	0.012	0.470	1.361	1.161	1.270	0.096	0.000	0.000	4.372

## STABILITY CLASS F

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.38	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.039	0.006	0.000	0.000	0.000	0.000	0.045
NNE	0.000	0.000	0.005	0.025	0.030	0.017	0.000	0.000	0.000	0.072
NE	0.000	0.000	0.002	0.017	0.050	0.000	0.000	0.000	0.000	0.079
ENE	0.000	0.000	0.025	0.024	0.000	0.000	0.000	0.000	0.000	0.049
E	0.000	0.000	0.053	0.045	0.000	0.000	0.000	0.000	0.000	0.098
ESE	0.000	0.000	0.015	0.035	0.030	0.000	0.000	0.000	0.000	0.080
SE	0.000	0.022	0.220	0.152	0.068	0.111	0.000	0.000	0.000	0.573
SSE	0.000	0.015	0.150	0.050	0.171	0.193	0.000	0.000	0.000	0.619
S	0.000	0.012	0.064	0.160	0.115	0.010	0.092	0.000	0.000	0.454
SSW	0.000	0.000	0.010	0.008	0.009	0.000	0.000	0.000	0.000	0.030
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.024	0.007	0.000	0.000	0.000	0.000	0.031
TOTALS	0.000	0.059	0.567	0.579	0.407	0.331	0.092	0.000	0.000	2.035

Table 7  
(Continued)

STABILITY CLASS G

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.96	4.45	6.91	9.59	10.95	
V	0.000	0.000	0.003	0.029	0.000	0.000	0.000	0.000	0.000	0.032
NNE	0.000	0.004	0.002	0.053	0.046	0.000	0.000	0.000	0.000	0.150
NE	0.000	0.000	0.015	0.006	0.003	0.000	0.000	0.000	0.000	0.027
ENE	0.000	0.005	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.017
E	0.000	0.000	0.013	0.002	0.000	0.000	0.000	0.000	0.000	0.014
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.022	0.043	0.105	0.020	0.000	0.000	0.000	0.000	0.195
SSE	0.000	0.000	0.123	0.173	0.027	0.000	0.000	0.000	0.000	0.323
S	0.000	0.000	0.017	0.059	0.018	0.000	0.000	0.000	0.000	0.094
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.000	0.052	0.227	0.508	0.117	0.000	0.000	0.000	0.000	0.326



Table 7 (Continued)

Elevated Portion of JFD

STABILITY CLASS A

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.43	1.10	1.99	2.39	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

STABILITY CLASS B

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.43	1.10	1.99	2.39	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046

Table 7  
(Continued)

STABILITY CLASS C

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.000	0.000	0.046	0.139	0.090	0.000	0.000	0.000	0.000	0.194

STABILITY CLASS D

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	
N	0.000	0.000	0.092	0.138	0.305	1.405	0.292	0.139	0.000	2.377
NNE	0.000	0.000	0.046	0.362	0.355	1.324	1.613	0.227	0.000	3.933
NE	0.000	0.046	0.000	0.362	0.574	1.127	0.150	0.036	0.000	2.301
ENE	0.000	0.000	0.092	0.184	0.130	0.167	0.000	0.000	0.000	0.573
E	0.000	0.046	0.092	0.376	0.000	0.124	0.000	0.000	0.000	0.539
ESE	0.000	0.000	0.092	0.328	0.306	0.577	0.000	0.000	0.000	1.403
SE	0.000	0.000	0.592	1.795	1.110	0.932	0.938	0.095	0.000	5.469
SSE	0.000	0.000	0.230	0.460	0.528	1.714	2.651	0.652	0.029	6.470
S	0.000	0.300	0.230	0.276	0.399	1.403	2.051	0.751	0.034	5.145
SSW	0.000	0.000	0.124	0.276	0.531	1.315	1.159	0.261	0.004	3.733
SW	0.000	0.346	0.276	0.230	0.092	0.399	0.150	0.000	0.000	1.193
WSW	0.000	0.346	0.000	0.132	0.223	0.121	0.000	0.000	0.000	0.533
W	0.000	0.046	0.046	0.363	0.226	0.207	0.113	0.035	0.003	1.049
WNW	0.000	0.046	0.092	0.132	0.356	0.804	0.709	0.156	0.005	2.306
NW	0.000	0.000	0.092	0.414	0.574	0.759	0.234	0.454	0.034	2.953
NNW	0.000	0.000	0.046	0.139	0.177	1.283	0.483	0.000	0.000	2.132
TOTALS	0.000	0.276	2.202	6.396	5.892	13.676	10.957	3.022	0.083	42.510

Table 7

(Continued)

STABILITY CLASS E										
SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.58	4.45	5.91	9.59	10.95	
N	0.003	0.092	0.092	0.134	0.221	0.723	0.000	0.000	0.000	1.320
NNE	0.001	0.000	0.092	0.322	0.179	1.027	0.152	0.000	0.000	1.773
NE	0.001	0.046	0.046	0.275	0.039	0.446	0.115	0.000	0.000	1.019
ENE	0.004	0.046	0.230	0.138	0.135	0.040	0.000	0.000	0.000	0.593
E	0.002	0.000	0.133	0.230	0.395	0.452	0.000	0.000	0.000	1.220
ESE	0.004	0.092	0.134	0.966	1.240	0.947	0.000	0.000	0.000	3.433
SE	0.006	0.050	0.598	2.255	1.550	2.149	0.709	0.138	0.021	7.449
SSE	0.005	0.050	0.363	0.275	0.752	2.247	1.575	0.271	0.017	5.314
S	0.005	0.046	0.322	0.230	0.443	1.653	1.056	0.029	0.000	3.314
SSW	0.003	0.092	0.133	0.138	0.173	0.817	0.376	0.020	0.000	1.757
SW	0.004	0.000	0.276	0.322	0.434	0.406	0.150	0.035	0.000	1.677
WSW	0.003	0.000	0.230	0.092	0.134	0.125	0.000	0.000	0.000	0.585
W	0.001	0.000	0.046	0.276	0.170	0.122	0.000	0.000	0.000	0.623
WNW	0.001	0.046	0.000	0.092	0.091	0.031	0.000	0.000	0.000	0.311
NW	0.001	0.000	0.046	0.138	0.175	0.077	0.000	0.000	0.000	0.439
NNW	0.001	0.046	0.046	0.138	0.090	0.261	0.150	0.000	0.000	0.732
TOTALS	0.047	0.506	2.652	6.074	6.333	11.632	4.313	0.513	0.040	32.361

STABILITY CLASS F										
SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.35	4.45	5.91	9.59	10.95	
N	0.000	0.000	0.046	0.046	0.066	0.115	0.000	0.000	0.000	0.296
NNE	0.000	0.000	0.046	0.132	0.134	0.575	0.075	0.000	0.000	0.983
NE	0.000	0.000	0.046	0.092	0.135	0.237	0.038	0.000	0.000	0.548
ENE	0.000	0.000	0.000	0.092	0.177	0.164	0.000	0.000	0.000	0.433
E	0.000	0.000	0.000	0.046	0.129	0.235	0.000	0.000	0.000	0.414
ESE	0.000	0.000	0.134	0.460	0.402	0.375	0.000	0.000	0.000	1.422
SE	0.000	0.000	0.506	1.427	0.750	0.202	0.000	0.000	0.000	2.395
SSE	0.000	0.000	0.046	0.230	0.309	0.370	0.113	0.000	0.000	1.068
S	0.000	0.000	0.322	0.138	0.221	0.032	0.000	0.000	0.000	0.743
SSW	0.000	0.000	0.046	0.046	0.088	0.040	0.000	0.000	0.000	0.220
SW	0.000	0.000	0.046	0.092	0.043	0.040	0.000	0.000	0.000	0.221
WSW	0.000	0.000	0.000	0.046	0.044	0.000	0.000	0.000	0.000	0.090
W	0.000	0.000	0.046	0.000	0.044	0.000	0.000	0.000	0.000	0.090
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.138	0.136	0.021	0.000	0.000	0.000	0.357
NNW	0.000	0.000	0.000	0.046	0.000	0.078	0.000	0.000	0.000	0.124
TOTALS	0.000	0.000	1.334	3.037	2.710	2.622	0.226	0.000	0.000	9.930

Table 7

(Continued)

## STABILITY CLASS G

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.83	4.45	5.91	9.59	10.95	
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.124
NE	0.000	0.000	0.092	0.000	0.000	0.041	0.000	0.000	0.000	0.223
ENE	0.000	0.000	0.000	0.092	0.000	0.041	0.000	0.000	0.000	0.133
E	0.000	0.000	0.000	0.046	0.000	0.042	0.000	0.000	0.000	0.088
ESE	0.000	0.000	0.092	0.276	0.310	0.000	0.000	0.000	0.000	0.578
SE	0.000	0.000	0.230	0.332	0.224	0.041	0.000	0.000	0.000	1.027
SSE	0.000	0.000	0.230	0.000	0.133	0.041	0.000	0.000	0.000	0.404
S	0.000	0.000	0.046	0.092	0.000	0.000	0.000	0.000	0.000	0.133
SSW	0.000	0.000	0.046	0.046	0.000	0.000	0.000	0.000	0.000	0.092
SW	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.046
WSW	0.000	0.000	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.092
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.000	0.000	0.874	1.150	0.757	0.326	0.000	0.000	0.000	3.107

Table 8

BFN - Meteorological Data Elevated JFD In Percent  
Third Quarter 1984

STABILITY CLASS D

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.68	4.45	6.91	9.59	10.95	
N	0.000	0.045	0.091	0.227	0.552	3.139	3.638	0.455	0.045	8.322
NNE	0.000	0.045	0.227	0.500	0.455	3.456	2.956	1.137	0.000	8.777
NE	0.000	0.000	0.313	0.500	0.545	2.419	2.547	1.228	0.000	7.550
ENE	0.000	0.000	0.091	0.227	0.619	1.273	1.000	0.364	0.000	3.774
E	0.000	0.000	0.136	0.500	0.854	1.046	0.455	0.000	0.000	3.001
ESE	0.000	0.045	0.364	0.500	1.000	1.501	2.456	0.091	0.000	5.958
SE	0.000	0.000	0.409	1.728	2.001	4.275	3.229	1.364	0.182	13.190
SSE	0.000	0.000	0.591	1.633	1.774	3.613	1.592	0.664	0.091	10.234
S	0.000	0.045	0.723	1.273	1.864	3.638	1.091	0.227	0.000	8.867
SSW	0.000	0.045	0.364	1.000	1.046	1.955	1.000	0.091	0.000	5.502
SW	0.000	0.045	0.364	1.223	1.046	2.046	1.273	0.227	0.000	6.230
WSW	0.000	0.000	0.455	1.410	1.046	1.864	0.227	0.045	0.000	5.048
W	0.000	0.000	0.136	0.819	1.592	1.955	0.313	0.045	0.000	4.666
WNW	0.000	0.000	0.227	0.227	0.546	0.955	0.318	0.045	0.045	2.363
NW	0.000	0.045	0.313	0.632	1.223	1.137	0.318	0.091	0.000	3.819
NNW	0.000	0.045	0.313	0.318	0.273	0.773	0.728	0.000	0.045	2.500
TOTALS	0.000	0.360	5.136	12.823	16.784	35.064	23.149	6.275	0.403	100.000

Table 9

BFN - Meteorological Data Elevated JFD In Percent  
Fourth Quarter 1984

## STABILITY CLASS 0

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.98	4.45	6.91	9.59	10.95	
N	0.001	0.047	0.047	0.373	0.280	1.673	1.492	0.559	0.093	4.570
NNE	0.302	0.000	0.140	0.326	0.373	1.394	3.124	1.072	0.000	6.436
NE	0.303	0.047	0.186	0.466	0.326	2.191	1.772	0.420	0.000	5.411
ENE	0.004	0.047	0.326	0.373	0.466	0.793	0.233	0.047	0.000	2.289
E	0.004	0.047	0.326	0.140	0.420	0.746	0.047	0.000	0.000	1.730
ESE	0.004	0.093	0.280	0.466	1.352	2.372	0.674	0.140	0.000	5.692
SE	0.005	0.047	0.420	1.399	1.445	4.289	3.683	1.538	0.326	13.151
SSE	0.003	0.000	0.280	0.466	0.639	4.662	6.294	2.797	0.699	16.039
S	0.004	0.000	0.326	0.386	0.932	3.823	5.494	3.030	0.539	15.433
SSW	0.003	0.000	0.233	0.326	0.280	2.937	3.263	1.166	0.373	3.580
SW	0.007	0.233	0.420	0.420	0.290	1.865	1.399	0.290	0.000	4.704
WSW	0.002	0.000	0.140	0.420	0.746	0.694	0.326	0.000	0.000	2.333
W	0.002	0.000	0.140	0.420	0.373	0.746	0.373	0.093	0.047	2.194
WNW	0.002	0.000	0.140	0.693	0.606	1.026	0.793	0.606	0.280	3.546
NW	0.002	0.093	0.047	0.326	0.513	1.352	0.686	0.866	0.140	4.245
NNW	0.001	0.000	0.047	0.186	0.186	1.585	1.259	0.166	0.000	3.450
TOTALS	0.049	0.654	3.498	7.086	9.416	32.167	31.515	12.819	2.757	100.001

Table 10

Browns Ferry Nuclear Plant - Individual Doses From Gaseous Effluents

Third Quarter 1984

<u>Effluent</u>	<u>Pathway</u>	<u>Guideline*</u>	<u>Point</u>	<u>Dose</u>
Noble gases	γ Air dose	30	Max. Exp. <sup>1</sup>	0.51 mrad
	β Air dose	60	Max. Exp. <sup>2</sup>	0.98 mrad
	Total body <sup>3</sup>	15	Residence <sup>4</sup>	0.31 mrem
	Skin <sup>3</sup>	45	Residence <sup>4</sup>	0.48 mrem
Iodines/Particulates				
	Thyroid (critical organ)	45	Real Pathway <sup>5</sup>	0.08 mrem

Breakdown of Iodine/Particulate Exposures (mrem)

	<u>Child</u>	<u>Adult</u>
Vegetable Ingestion	$5.27 \times 10^{-2}$	$2.51 \times 10^{-2}$
Beef Ingestion <sup>6</sup>	$3.10 \times 10^{-4}$	$2.90 \times 10^{-4}$
Inhalation	$9.51 \times 10^{-4}$	$4.32 \times 10^{-4}$
Ground Contamination	$2.14 \times 10^{-2}$	$2.14 \times 10^{-2}$
Total	0.08	0.05

\*The annual guidelines are defined by Appendix I to 10 CFR 50.

1. The maximum exposure point is at 6,100 meters in the NW sector.
2. The maximum exposure point is 6,500 meters in the NW sector.
3. Dose from air submersion.
4. Receptor is at 7,925 meters in the N sector.
5. Receptor is at 3,500 meters in the NW sector.
6. Beef ingestion dose is calculated at the site boundary at 1,650 meters in the NNW sector.

Table 11

Browns Ferry Nuclear Plant - Individual Doses From Gaseous Effluents

Fourth Quarter 1984

<u>Effluent</u>	<u>Pathway</u>	<u>Guideline*</u>	<u>Point</u>	<u>Dose</u>
Noble gases	T Air dose	30	Max. Exp. <sup>1</sup>	0.30 mrad
	β Air dose	60	Max. Exp. <sup>1</sup>	0.58 mrad
	Total body <sup>2</sup>	15	Residence <sup>3</sup>	0.10 mrem
	Skin <sup>2</sup>	45	Residence <sup>3</sup>	0.17 mrem
Iodines/Particulates				
	Thyroid (critical organ)	45	Real Pathway <sup>4</sup>	0.06 mrem

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Breakdown of Iodine/Particulate Exposures (mrem)

	<u>Child</u>	<u>Adult</u>
Vegetable Ingestion	$4.00 \times 10^{-2}$	$1.92 \times 10^{-2}$
Beef Ingestion <sup>5</sup>	$2.62 \times 10^{-4}$	$2.59 \times 10^{-4}$
Inhalation	$7.54 \times 10^{-3}$	$3.41 \times 10^{-3}$
Ground Contamination	$9.67 \times 10^{-3}$	$9.67 \times 10^{-3}$
Total	$5.75 \times 10^{-2}$	$3.25 \times 10^{-2}$

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\*The annual guidelines are defined by Appendix I to 10 CFR 50.

1. The maximum exposure point is at 6,100 meters in the NW sector.
2. Dose from air submersion.
3. The maximum exposure point is at 4,425 meters in the WNW sector.
4. Receptor is at 1,650 meters in the NNW sector.
5. The maximum exposure point is at 1,650 meters in the NNW sector.



Table 12

9FN -- 3Q84 QUARTERLY ASSESSMENT  
 EFNP DATA  
 SUMMATION OF POPULATION DOSES

	THYROID					TOTAL BODY				
	INFANT	CHILD	TEEN	ADULT	TOTALS	INFANT	CHILD	TEEN	ADULT	TOTALS
SUBMERSION	1.73E-01	1.08E+00	6.85E-01	3.17E+00	5.11E+00	1.73E-01	1.08E+00	6.85E-01	3.17E+00	5.11E+00
GROUND	3.30E-03	2.06E-02	1.31E-02	6.07E-02	9.76E-02	3.30E-03	2.06E-02	1.31E-02	6.07E-02	9.76E-02
INHALATION	1.13E-03	1.15E-02	4.17E-03	1.54E-02	3.22E-02	4.33E-03	5.12E-02	1.63E-02	5.43E-02	1.26E-01
COW MILK	7.42E-02	1.93E-01	5.05E-02	1.91E-01	5.06E-01	1.51E-04	5.59E-04	1.88E-04	8.34E-04	1.73E-03
BEEF INGESTION	0.00E+00	2.76E-03	1.18E-03	7.17E-03	1.11E-02	0.00E+00	4.06E-05	2.34E-05	2.44E-04	3.13E-04
VEG INGESTION	0.00E+00	1.47E-02	6.30E-03	3.63E-02	5.72E-02	0.00E+00	6.91E-05	3.75E-05	2.57E-04	3.64E-04
TOTAL MAN-REM	2.51E-01	1.32E+00	7.61E-01	3.49E+00	5.81E+00	1.81E-01	1.15E+00	7.15E-01	3.29E+00	5.34E+00

9FN -- 4Q84 QUARTERLY ASSESSMENT  
 EFNP DATA  
 SUMMATION OF POPULATION DOSES

	THYROID					TOTAL BODY				
	INFANT	CHILD	TEEN	ADULT	TOTALS	INFANT	CHILD	TEEN	ADULT	TOTALS
SUBMERSION	2.40E-02	5.23E-01	5.35E-01	1.54E+00	2.48E+00	2.40E-02	5.23E-01	5.35E-01	1.54E+00	2.48E+00
GROUND	1.21E-03	1.13E-02	7.10E-03	3.33E-02	5.35E-02	1.31E-03	1.13E-02	7.13E-03	3.33E-02	5.35E-02
INHALATION	7.23E-04	7.43E-03	2.63E-03	7.99E-03	2.07E-02	1.93E-03	2.35E-02	7.50E-03	2.51E-02	5.80E-02
COW MILK	2.25E-02	5.76E-02	1.53E-02	5.79E-02	1.53E-01	1.17E-04	4.85E-04	1.62E-04	8.37E-04	1.67E-03
BEEF INGESTION	0.00E+00	7.35E-04	3.15E-04	1.94E-03	2.99E-03	0.00E+00	5.32E-05	3.79E-05	3.25E-04	4.17E-04
VEG INGESTION	0.00E+00	3.22E-03	1.64E-03	2.45E-03	1.49E-02	0.00E+00	6.63E-05	3.65E-05	2.41E-04	3.27E-04
TOTAL MAN-REM	1.03E-01	6.04E-01	3.69E-01	1.86E+00	2.73E+00	6.79E-02	5.59E-01	3.43E-01	1.60E+00	2.60E+00

Table 13

LIQUID EFFLUENT DOSES  
 BROWNS FERRY NUCLEAR PLANT ROUTINE RELEASES 3RD QUARTER-1984  
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	BONE ====	GI TRACT == =====	THYROID =====	TOTAL BODY =====	LIVER =====	SKIN =====
<b>I. WATER INGESTION AT</b>						
U.S. PLYWOOD-CHAMPION PAPER						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	3.4E-03	4.5E-04	1.4E-02	8.3E-04	3.8E-03	8.3E-04
B. MAXIMUM INDIVIDUAL ADULT (MREM)	1.3E-03	6.3E-04	7.7E-03	1.5E-03	2.0E-03	1.5E-03
C. TENNESSEE RIVER POPULATION (MAN-REM)	2.6E-02	4.5E-03	4.2E-02	1.8E-02	3.4E-02	1.8E-02
<b>II. FISH INGESTION FROM</b>						
WHEELER LAKE BELOW BFN						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	8.0E-02	1.3E-03	2.0E-02	1.7E-02	9.7E-02	1.7E-02
B. MAXIMUM INDIVIDUAL ADULT (MREM)	6.1E-02	5.4E-03	8.2E-02	7.9E-02	1.4E-01	7.9E-02
C. TENNESSEE RIVER POPULATION (MAN-REM)	7.8E+00	4.9E-01	7.3E+00	7.1E+00	1.2E+01	7.1E+00
<b>III. RECREATION AT</b>						
WHEELER LAKE BELOW BFN						
A. SHORELINE INDIVIDUAL (MREM)	1.7E-02	1.4E-02	1.2E-02	1.4E-02	1.2E-02	1.8E-02
POPULATION (MAN-REM)	3.8E-01	3.0E-01	2.6E-01	3.2E-01	2.7E-01	3.9E-01
B. IN-WATER INDIVIDUAL (MREM)	2.3E-04	1.9E-04	1.9E-04	2.0E-04	1.7E-04	2.4E-04
POPULATION (MAN-REM)	2.5E-04	2.0E-04	1.8E-04	2.1E-04	1.8E-04	2.6E-04
C. ABOVE-WATER INDIVIDUAL (MREM)	2.3E-04	1.9E-04	1.8E-04	1.9E-04	1.7E-04	2.3E-04
POPULATION (MAN-REM)	6.6E-04	5.2E-04	4.7E-04	5.5E-04	4.7E-04	6.8E-04
<b>IV. TOTAL</b>						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	1.0E-01	1.6E-02	4.6E-02	3.3E-02	1.1E-01	3.6E-02
B. MAXIMUM INDIVIDUAL ADULT (MREM)	8.0E-02	2.0E-02	1.0E-01	9.5E-02	1.2E-01	9.8E-02
C. TENNESSEE RIVER POPULATION (MAN-REM)	8.2E+00	7.9E-01	7.6E+00	7.5E+00	1.3E+01	7.5E+00

Table 14

LIQUID EFFLUENT DOSES							
BROWNS FERRY NUCLEAR PLANT ROUTINE RELEASES 4TH QUARTER-1984							
*****							
	BONE	GI TRACT	THYROID	TOTAL BODY	LIVER	SKIN	
	====	== =====	=====	=====	=====	=====	=====
<b>I. WATER INGESTION AT</b>							
U.S. PLYWOOD-CHAMPION PAPER							
A. MAXIMUM INDIVIDUAL CHILD (MREM)	1.0E-02	9.4E-04	9.3E-03	2.5E-03	1.3E-02	2.5E-03	
B. MAXIMUM INDIVIDUAL ADULT (MREM)	3.8E-03	1.4E-03	8.3E-03	5.1E-03	6.8E-03	5.1E-03	
C. TENNESSEE RIVER POPULATION (MAN-REM)	6.2E-02	9.1E-03	5.9E-02	4.8E-02	9.4E-02	4.8E-02	
<b>II. FISH INGESTION FROM</b>							
WHEELER LAKE BELOW BFN							
A. MAXIMUM INDIVIDUAL CHILD (MREM)	2.7E-01	4.0E-03	6.3E-02	6.1E-02	3.4E-01	6.1E-02	
B. MAXIMUM INDIVIDUAL ADULT (MREM)	2.1E-01	1.6E-02	2.9E-01	2.8E-01	3.8E-01	2.8E-01	
C. TENNESSEE RIVER POPULATION (MAN-REM)	2.4E+01	1.3E+00	2.4E+01	2.3E+01	4.0E+01	2.3E+01	
<b>III. RECREATION AT</b>							
WHEELER LAKE BELOW BFN							
A. SHORELINE INDIVIDUAL (MREM)	2.9E-02	2.3E-02	2.0E-02	2.5E-02	2.1E-02	3.0E-02	
POPULATION (MAN-REM)	5.5E-01	4.3E-01	3.7E-01	4.6E-01	3.9E-01	5.6E-01	
B. IN-WATER INDIVIDUAL (MREM)	2.5E-04	2.0E-04	1.8E-04	2.1E-04	1.8E-04	2.5E-04	
POPULATION (MAN-REM)	3.4E-04	2.7E-04	2.3E-04	2.8E-04	2.4E-04	3.5E-04	
C. ABOVE-WATER INDIVIDUAL (MREM)	2.4E-04	1.9E-04	1.8E-04	2.0E-04	1.7E-04	2.5E-04	
POPULATION (MAN-REM)	8.9E-04	7.0E-04	6.1E-04	7.4E-04	6.3E-04	9.1E-04	
<b>IV. TOTAL</b>							
A. MAXIMUM INDIVIDUAL CHILD (MREM)	3.1E-01	2.8E-02	9.3E-02	8.9E-02	3.8E-01	9.4E-02	
B. MAXIMUM INDIVIDUAL ADULT (MREM)	2.4E-01	4.1E-02	3.1E-01	(3.1E-01)	(4.1E-01)	3.2E-01	
C. TENNESSEE RIVER POPULATION (MAN-REM)	2.5E+01	1.8E+00	2.4E+01	2.4E+01	4.0E+01	2.4E+01	

Table 15

Browns Ferry Nuclear Plant - Five-Year Summary  
of Quarterly Doses\*

<u>Year</u>	<u>Quarter</u>	<u>Air-γ</u> <u>(mrad)</u>	<u>Air-β</u> <u>(mrad)</u>	<u>Air Submersion</u>		<u>Real Pathway</u>	<u>Liquid Effluents</u>	
				<u>Skin</u> <u>(mrem)</u>	<u>Total Body</u> <u>(mrem)</u>	<u>Maximum Organ</u> <u>(mrem)</u>	<u>Total Body</u> <u>(mrem)</u>	<u>Maximum Organ</u> <u>(mrem)</u>
1980	1	.35	.44	.31	.21	.11 Thyр.	.05	.03 Thyр.
	2	.39	.48	.33	.22	1.19 Bone	.03	.01 Thyр.
	3 <sup>a</sup>	.40	.52	.31	.21	.07 Thyр.	.09	.11 Liver
	4	.93	1.09	.64	.45	.08 Thyр.	.15	.19 Liver
1981	1	1.97	2.11	1.40	.96	.09 Bone	.07	.10 Liver
	2	.28	.35	.23	.15	.98 Bone	.21	.25 Liver
	3	.15	.19	.11	.07	.14 Bone	.23	.28 Liver
	4	.09	.12	.09	.06	.08 Thyр.	.05	.06 Liver
1982	1	.11	.16	.09	.07	.13 Bone	.11	.13 Liver
	2	.33	.52	.23	.17	.11 Bone	.06	.07 Liver
	3	.27	.35	.37	.27	.24 Bone	.10	.12 Liver
	4	.19	.23	.20	.13	.16 Bone	.07	.08 Liver
1983	1	.47	.45	.24	.16	.25 Bone	.07	.09 Liver
	2	.48	.42	.32	.19	.31 Thyр.	.09	.11 Liver
	3	.18	.34	.16	.10	.30 Bone	.25	.33 Liver
	4	.39	.85	.24	.14	.04 Thyр.	.54	.73 Liver
1984	1	.39	.66	.47	.30	.41 Thyр.	.58	.79 Liver
	2	1.19	2.09	1.48	.98	.09 Thyр.	.11	.15 Liver
	3	.51	.98	.48	.31	.08 Thyр.	.10	.12 Liver
	4	.30	.58	.17	.10	.06 Thyр.	.31	.41 Liver

<sup>a</sup> Prior to the third quarter of 1980 the liver was not considered in liquid dose analyses.

\*Note: All calculated doses are below limits specified in Appendix I to 10 CFR 50.