

TENNESSEE VALLEY AUTHORITY



DIVISION OF ENVIRONMENTAL PLANNING

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RADIOLOGICAL IMPACT ASSESSMENT

BROWNS FERRY NUCLEAR PLANT

JANUARY-JUNE 1979

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Introduction

Potential doses to individuals and populations have been calculated for the time period January 1 through June 30, 1979. The calculations have been made using the measured releases listed in Tables 1-3 for radioactivity in both gaseous and liquid effluents. Dispersion of radioactive effluents in the environment has been calculated using meteorological data and river flow data measured during this period.

Meteorological Data

Meteorological data were measured, and average quarterly joint frequency distributions (JFD's) for ground-level, split-level, and stack releases were calculated. The ground-level JFD was derived from wind speeds 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 speed and direction measurements at the 46-meter level and the vertical temperature gradient between 45 and 90 meters. The JFD's for elevated releases were based on wind directions and wind speeds measured at 93 meters. Stability class D was assumed to persist at the

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effluent release level of 183 meters for the entire period. Examination of rawinsonde data from TVA's Colbert Steam Plant (40 miles west of BFN) indicates that for ΔT -based stabilities at levels above 183 meters, the frequencies of stability classes D and E total more than 95 percent of all occurrences. For an elevated release, assumption of class D instead of E yields conservative results.

The wind speeds were divided into nine wind-speed ranges. For calculational purposes, calms were distributed into the lowest wind speed range (0-0.5 mph) according to the directional probabilities in the 0.6-1.4 mph range. The quarterly JFD's 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 requires for each effluent vent two complete average-annual joint-frequency distributions (JFD's), one for the elevated releases and one for the ground-level releases. Radionuclides in gaseous effluents were assumed to be released continuously. Dose estimates for external air exposures were made at the site boundary. External doses to the skin and total body were estimated for the nearest residence in each

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sector. Internal doses to the thyroid were estimated from the ingestion, inhalation, and external exposure pathways. The internal doses were calculated for farms where milk is consumed without commercial preparation. 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 annuli 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 89,700 cfs for the first quarter and 50,900 for the second 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

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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

Analysis of onsite thermoluminescent dosimetry (TLD) data showed that radioactivity levels were not statistically different from levels at offsite locations. This indicates that there was no identifiable increase in dose rate levels attributable to direct radiation from plant equipment and/or gaseous effluents. Fluctuations in natural background dose rates and in TLD readings tend to mask any small increments which may be due to plant operations.

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 first quarter, the maximum gamma and beta air doses were calculated to be 1.44 and 5.01 mrad, respectively. During the second quarter, the gamma and beta air doses were 0.79 and 7.00 mrad, respectively. These quarterly doses are well below the annual air dose guidelines (as specified in Appendix I to 10CFR50) of 30 and 60 mrad for gamma and beta radiation, respectively, for three reactor units. (All doses and dose limits referred to will be totals for the three reactor units.) The maximum doses from external sources to the skin and total body during the first quarter were calculated to be 2.24 and 0.89 mrem. During the second quarter, the skin and total body were 2.49 and 0.51 mrem, respectively. These compare with annual dose guidelines

of 45 mrem to the skin and 15 mrem to the total body. Internal doses to the maximum exposed organ, i.e., the thyroid, were estimated to be 0.10 and 0.09 mrem for the first and second quarter. These doses result from the ingestion of milk, meat, and vegetables, inhalation, and from exposures to external sources of radiation.

For liquid effluents released in the first quarter, the maximum individual doses to the total body and the maximum exposed organ, i.e., G.I. tract, were calculated to be 0.02 and 0.13 mrem, respectively. In the second quarter, the maximum doses to the total body and G.I. tract were 0.02 and 0.07 mrem, respectively. These compare with annual dose guidelines as specified in Appendix I to 10CFR50 of 9 and 30 mrem to the total body and maximum exposed organ (G.I. tract), respectively, for three units.

Population doses from gaseous effluents during the first quarter were estimated to be 0.48 man-rem to the total body and 0.49 man-rem to the thyroid. For the second quarter, population doses were 0.48 man-rem to the total body and 0.75 man-rem to the thyroid.

From liquid releases during the first quarter, the total population along the Tennessee River was estimated to receive 0.71 man-rem to the total body and 6.0 man-rem to the maximum exposed organ (G.I. tract). For the second quarter, the Tennessee River population was estimated to receive 0.4 man-rem to the total body and 2.7 man-rem to the maximum exposed organ (G.I. tract).

In summary, all doses calculated were below the guidelines of Appendix I to 10CFR50 and below the limits specified in the Browns Ferry Nuclear Plant technical specifications for plant operation.

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TABLE 1

BFN GASEOUS EFFLUENT RELEASES - FIRST QUARTER 1979

<u>Radionuclide</u>	<u>Reactor Building (Ci)</u>	<u>Radwaste Building (Ci)</u>	<u>Turbine Building (Ci)</u>	<u>Stack (Ci)</u>
H-3	6.23E+0	5.05E-2	1.48E-1	1.03E+0
Ar-41	<2.24E+2	<8.80E+0	<2.82E+1	1.70E+1
Sr-89	4.39E-6	<4.67E-8	9.43E-7	8.04E-6
Sr-90	1.81E-6	<3.36E-8	2.01E-7	6.11E-7
Kr-85	<2.35E+4	<1.24E+3	<3.16E-5	<4.23E+1
Kr-85m	<1.38E+2	<5.65E+0	<1.29E+0	<1.13E+2
Kr-87	<3.79E+2	<1.73E+1	<3.88E+0	<2.65E+1
Kr-88	<6.10E+2	<2.08E+1	<5.07E+0	<1.28E+2
I-131	2.03E-4	3.32E-6	1.80E-5	2.74E-5
I-133	<1.82E-3	<1.01E-4	0	8.40E-3
I-135	<1.60E-2	<6.03E-4	0	8.12E-3
Xe-133	<2.04E+2	<4.72E+1	<3.02E+0	<8.09E+2
Xe-135	<1.39E+2	<2.74E+1	<1.42E+0	<8.00E+0
Xe-135m	<1.21E+2	<1.18E+1	<5.95E+0	<7.39E+1
Xe-138	<2.75E+3	<1.15E+2	<6.16E+1	<2.49E+2
Cs-134	<9.95E-5	<2.64E-6	<6.60E-5	<1.56E-5
Cs-137	<1.78E-4	<4.47E-6	<6.56E-5	<1.68E-5
Ba-140	<4.67E-4	<9.79E-6	<6.85E-5	<5.19E-5
La-140	<4.60E-4	<7.41E-6	<3.54E-5	<3.36E-5
Zr-95	<3.31E-4	<5.59E-6	<4.06E-5	<3.28E-5
Nb-95	<2.73E-4	<3.52E-6	<1.92E-5	<2.09E-5
Co-58	<1.47E-4	<3.10E-6	<1.80E-5	<1.48E-5
Mn-54	<2.36E-4	<3.99E-6	<1.96E-5	<6.75E-5
Zn-65	<1.23E-3	<1.75E-5	<4.96E-5	4.16E-5
Fe-59	<3.22E-4	<5.47E-6	<4.56E-5	<3.77E-5
Co-60	1.08E-3	2.09E-5	2.70E-5	2.45E-5

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TABLE 2

BFN GASEOUS EFFLUENT RELEASES - SECOND QUARTER 1979

<u>Radionuclide</u>	<u>Reactor Building (Ci)</u>	<u>Radwaste Building (Ci)</u>	<u>Turbine Building (Ci)</u>	<u>Stack (Ci)</u>
H-3	5.23E+0	5.02E-2	9.35E-1	3.16E-1
Ar-41	<1.68E+2	<5.19E+0	<9.80E+1	<1.17E+1
Sr-89	7.40E-6	<5.23E-9	4.84E-7	9.18E-6
Sr-90	3.37E-6	<1.91E-4	1.00E-6	2.59E-6
Kr-85	<2.74E+4	<9.19E+2	<2.06E+4	<1.07E+1
Kr-85m	<9.44E+1	<2.74E+0	<1.08E+2	<2.31E+2
Kr-87	<2.59E+2	<7.01E+0	<9.25E+1	<3.22E+1
Kr-88	<3.34E+2	<3.40E+0	<8.98E+1	<2.60E+2
I-131	8.63E-3	2.32E-4	3.45E-3	2.89E-3
I-133	2.85E-3	5.34E-5	1.62E-3	3.45E-3
I-135	<4.23E-4	<1.49E-2	8.52E-3	<2.53E-3
Xe-133	<2.25E-2	<1.59E+1	<4.98E+1	<2.79E+3
Xe-135	<3.56E+2	<1.44E+1	<2.23E+1	<2.25E+1
Xe-135m	<5.01E+2	<1.60E+1	<1.06E+2	<2.52E+1
Xe-138	<1.51E+3	<4.65E+1	<3.74E+2	<1.35E+2
Cs-134	<5.44E-4	<7.84E-6	<3.93E-4	<2.46E-5
Cs-137	<6.84E-4	<9.92E-6	<6.56E-4	<2.77E-5
Ba-140	<8.33E-6	<5.85E-4	<4.93E-7	<4.23E-5
La-140	<2.65E-5	<1.73E-3	<2.29E-3	<1.12E-4
Zr-95	<1.53E-3	<2.20E-5	<9.63E-4	<1.26E-4
Nb-95	<1.01E-3	<1.07E-5	<4.40E-4	<1.07E-5
Co-58	<5.30E-4	<7.68E-6	<3.78E-4	<2.56E-5
Mn-54	<6.11E-4	<8.92E-6	<3.84E-4	<2.65E-5
Zn-65	<2.87E-3	<2.81E-5	<1.42E-3	7.04E-5
Fe-59	<1.27E-3	<1.92E-5	<8.00E-4	<6.08E-5
Co-60	2.49E-3	2.86E-5	9.09E-4	5.28E-5

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TABLE 3

BFNP LIQUID EFFLUENTS RELEASES

Nuclide	Activity (μCi)	
	First Quarter	Second Quarter
H-3	5.78E+06	2.63E+06
NA-24	1.13E+05	1.08E+04
CR-51	1.85E+05	6.27E+04
MN-54	1.47E+04	6.49E+03
MN-56	1.32E+03	3.77E+02
FE-59	4.71E+03	2.47E+03
CO-58	8.68E+03	3.00E+03
CO-60	8.23E+04	3.84E+04
ZN-65	9.40E+04	2.25E+04
SR-89	6.23E+03	9.29E+02
SR-90	7.06E+02	1.29E+02
ZR-95	9.06E+04	2.31E+04
NB-95	9.06E+04	2.31E+04
MO-99	1.77E+03	6.74E+02
TC-99M	1.77E+03	6.74E+02
I-131	3.46E+03	2.65E+03
I-133	4.61E+03	1.37E+03
XE-133	3.15E+04	2.18E+04
XE-135	2.29E+04	1.50E+04
CS-134	2.03E+04	4.99E+03
CS-136	4.50E+03	1.41E+03
CS-137	3.02E+04	9.16E+03
BA-140	2.07E+03	7.59E+02
LA-140	2.07E+03	7.59E+02
CE-141	4.33E+03	1.06E+03

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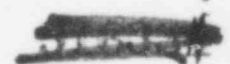


TABLE 4

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL DATA
GROUND-LEVEL JOINT FREQUENCY DISTRIBUTION IN PERCENT
TURBINE BUILDING RELEASES - FIRST QUARTER, 1979

STABILITY CLASS A

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	
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	0.050	0.140	0.0	0.0	0.0	0.0	0.190
SSE	0.0	0.0	0.0	0.140	0.140	0.0	0.0	0.0	0.0	0.279
S	0.0	0.0	0.0	0.090	0.050	0.0	0.0	0.0	0.0	0.140
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	0.0	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	0.090	0.0	0.0	0.090
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.140	0.0	0.0	0.140
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	0.0	0.0	0.0	0.279	0.329	0.0	0.230	0.0	0.0	0.838

STABILITY CLASS B

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	
N	0.0	0.0	0.0	0.0	0.0	0.090	0.050	0.0	0.0	0.140
NNE	0.0	0.0	0.0	0.0	0.0	0.050	0.090	0.0	0.0	0.140
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	0.050	0.0	0.0	0.0	0.0	0.0	0.050
SE	0.0	0.0	0.0	0.190	0.090	0.050	0.0	0.0	0.0	0.329
SSE	0.0	0.0	0.050	0.050	0.050	0.0	0.0	0.0	0.0	0.150
S	0.0	0.0	0.0	0.140	0.0	0.0	0.0	0.0	0.0	0.140
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	0.050	0.0	0.0	0.0	0.0	0.0	0.050
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	0.050	0.0	0.0	0.0	0.0	0.050
WNW	0.0	0.0	0.0	0.0	0.0	0.050	0.0	0.0	0.0	0.050
NW	0.0	0.0	0.0	0.0	0.050	0.190	0.230	0.0	0.0	0.469
NNW	0.0	0.0	0.0	0.0	0.0	0.230	0.329	0.0	0.0	0.559
TOTALS	0.0	0.0	0.050	0.479	0.240	0.659	0.699	0.0	0.0	2.126

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TABLE 4 (CONTINUED)

STABILITY CLASS C

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.050	0.0	0.050	0.090	0.0	0.0	0.0	0.190
NE	0.0	0.0	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.050
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	0.230	0.050	0.050	0.0	0.0	0.0	0.329
SSE	0.0	0.0	0.050	0.0	0.050	0.0	0.0	0.0	0.0	0.100
S	0.0	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.050
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	0.0	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	0.050	0.0	0.050	0.0	0.0	0.0	0.100
NW	0.0	0.0	0.0	0.050	0.0	0.279	0.369	0.0	0.0	0.699
NNW	0.0	0.0	0.0	0.0	0.0	0.140	0.369	0.0	0.0	0.509
TOTALS	0.0	0.0	0.100	0.379	0.200	0.609	0.739	0.0	0.0	2.026

STABILITY CLASS D

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.050	0.459	0.649	0.459	0.739	0.0	0.0	2.355
NNE	0.0	0.0	0.090	0.739	0.649	1.487	0.649	0.0	0.0	3.613
NE	0.0	0.0	0.279	0.928	0.509	0.838	0.0	0.0	0.0	2.555
ENE	0.0	0.0	0.090	0.230	0.279	0.0	0.0	0.0	0.0	0.599
E	0.0	0.0	0.190	0.419	0.279	0.0	0.0	0.0	0.0	0.888
ESE	0.0	0.0	0.190	0.279	0.140	0.0	0.0	0.0	0.0	0.609
SE	0.0	0.050	0.419	0.978	0.599	0.090	0.0	0.0	0.0	2.136
SSE	0.0	0.0	0.329	0.559	0.140	0.0	0.0	0.0	0.0	1.028
S	0.0	0.0	0.140	0.419	0.190	0.0	0.0	0.0	0.0	0.749
SSW	0.0	0.0	0.050	0.190	0.0	0.050	0.0	0.0	0.0	0.289
SW	0.0	0.0	0.050	0.329	0.050	0.050	0.090	0.0	0.0	0.569
WSW	0.0	0.0	0.090	0.190	0.0	0.509	0.190	0.0	0.0	0.978
W	0.0	0.0	0.050	0.140	0.190	0.599	0.838	0.050	0.0	1.866
WNW	0.0	0.0	0.140	0.190	0.419	1.068	2.046	1.158	0.0	5.020
NW	0.0	0.0	0.0	0.090	0.329	1.437	2.365	0.459	0.0	4.681
NNW	0.0	0.0	0.0	0.279	0.699	2.834	1.906	0.050	0.0	5.769
TOTALS	0.0	0.050	2.156	6.417	5.120	9.421	8.822	1.717	0.0	33.703

TABLE 4 (CONTINUED)

STABILITY CLASS E

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.050	0.599	0.559	0.230	0.190	0.050	0.050	0.0	1.727
NNE	0.0	0.090	0.788	0.878	0.459	0.788	0.140	0.050	0.0	3.194
NE	0.0	0.050	0.878	0.928	0.788	0.140	0.090	0.0	0.0	2.874
ENE	0.0	0.090	0.788	0.649	0.419	0.140	0.0	0.0	0.0	2.086
E	0.0	0.0	0.559	1.068	0.329	0.230	0.0	0.0	0.0	2.186
ESE	0.0	0.050	0.509	1.527	0.649	0.090	0.0	0.0	0.0	2.824
SE	0.0	0.050	1.158	2.695	1.158	1.068	0.050	0.0	0.0	6.178
SSE	0.0	0.0	0.739	1.577	0.599	0.739	0.090	0.0	0.0	3.743
S	0.0	0.050	0.509	0.599	0.878	1.627	0.140	0.0	0.0	3.802
SSW	0.0	0.0	0.090	0.050	0.140	0.050	0.0	0.0	0.0	0.329
SW	0.0	0.050	0.230	0.230	0.050	0.140	0.0	0.0	0.0	0.699
WSW	0.0	0.0	0.459	0.329	0.140	0.329	0.230	0.0	0.0	1.487
W	0.0	0.0	0.459	0.559	0.419	0.878	0.329	0.0	0.0	2.645
WNW	0.0	0.0	0.140	0.279	0.279	0.419	0.788	0.140	0.0	2.046
NW	0.0	0.0	0.0	0.230	0.230	0.649	0.329	0.050	0.0	1.487
NNW	0.0	0.0	0.459	0.599	0.838	0.419	0.329	0.050	0.0	2.695
TOTALS	0.0	0.479	8.363	12.755	7.605	7.894	2.565	0.339	0.0	40.001

STABILITY CLASS F

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.050	0.050	0.230	0.140	0.050	0.0	0.0	0.0	0.519
NNE	0.0	0.0	0.459	0.279	0.090	0.0	0.0	0.0	0.0	0.828
NE	0.0	0.0	0.090	0.230	0.190	0.0	0.0	0.0	0.0	0.509
ENE	0.0	0.0	0.419	0.329	0.050	0.0	0.0	0.0	0.0	0.798
E	0.0	0.0	0.788	0.788	0.090	0.0	0.0	0.0	0.0	1.667
ESE	0.0	0.0	0.699	0.649	0.050	0.050	0.0	0.0	0.0	1.447
SE	0.0	0.050	0.928	1.487	0.459	0.509	0.090	0.050	0.0	3.573
SSE	0.0	0.0	0.838	0.559	0.559	0.978	0.090	0.0	0.0	3.024
S	0.0	0.0	0.190	0.559	0.649	0.739	0.0	0.0	0.0	2.136
SSW	0.0	0.0	0.0	0.090	0.0	0.0	0.0	0.0	0.0	0.090
SW	0.0	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.050
WSW	0.0	0.0	0.140	0.090	0.0	0.0	0.0	0.0	0.0	0.230
W	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.050
WNW	0.0	0.0	0.140	0.050	0.0	0.050	0.0	0.0	0.0	0.240
NW	0.0	0.050	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.100
NNW	0.0	0.0	0.0	0.090	0.0	0.050	0.0	0.0	0.0	0.140
TOTALS	0.0	0.150	4.790	5.529	2.275	2.425	0.180	0.050	0.0	15.399

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TABLE 4 (CONTINUED)

STABILITY CLASS G

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.190	0.0	0.0	0.0	0.0	0.0	0.0	0.190
NNE	0.0	0.0	0.090	0.0	0.0	0.0	0.0	0.0	0.0	0.090
NE	0.0	0.0	0.090	0.0	0.0	0.0	0.0	0.0	0.0	0.090
ENE	0.0	0.0	0.190	0.140	0.0	0.0	0.0	0.0	0.0	0.329
E	0.0	0.0	0.050	0.140	0.0	0.0	0.0	0.0	0.0	0.190
ESE	0.0	0.0	0.190	0.0	0.0	0.0	0.0	0.0	0.0	0.190
SE	0.0	0.0	0.369	0.509	0.230	0.090	0.0	0.0	0.0	1.198
SSE	0.0	0.050	0.369	1.068	0.739	0.190	0.0	0.0	0.0	2.415
S	0.0	0.0	0.050	0.329	0.369	0.329	0.0	0.0	0.0	1.078
SSW	0.0	0.0	0.090	0.050	0.0	0.0	0.0	0.0	0.0	0.140
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	0.0	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
TOTALS	0.0	0.050	1.677	2.236	1.337	0.609	0.0	0.0	0.0	5.908

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TABLE 5

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL DATA

GROUND-LEVEL JOINT FREQUENCY DISTRIBUTION IN PERCENT

TURBINE BUILDING RELEASES - SECOND QUARTER, 1979

STABILITY CLASS A

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	
N	0.0	0.0	0.0	0.0	0.0	0.050	0.050	0.0	0.0	0.100
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.279	0.0	0.0	0.279
NE	0.0	0.0	0.0	0.0	0.0	0.050	0.0	0.0	0.0	0.050
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	0.050	0.050	0.0	0.0	0.0	0.0	0.100
SE	0.0	0.0	0.0	1.537	0.369	0.0	0.0	0.0	0.0	1.906
SSE	0.0	0.0	0.090	0.649	0.229	0.0	0.0	0.0	0.0	0.968
S	0.0	0.0	0.090	0.509	0.140	0.050	0.0	0.0	0.0	0.759
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	0.050	0.050	0.0	0.0	0.0	0.0	0.100
WSW	0.0	0.0	0.0	0.0	0.090	0.0	0.0	0.0	0.0	0.090
W	0.0	0.0	0.0	0.0	0.050	0.050	0.0	0.0	0.0	0.100
WNW	0.0	0.0	0.0	0.0	0.0	0.469	0.0	0.0	0.0	0.469
NW	0.0	0.0	0.0	0.0	0.050	0.509	0.0	0.0	0.0	0.559
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.369	0.050	0.0	0.419
TOTALS	0.0	0.0	0.180	2.794	1.028	1.177	0.698	0.050	0.0	5.927

STABILITY CLASS B

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	
N	0.0	0.0	0.0	0.0	0.090	0.419	0.050	0.0	0.0	0.559
NNE	0.0	0.0	0.0	0.050	0.050	0.559	0.140	0.0	0.0	0.798
NE	0.0	0.0	0.0	0.0	0.0	0.190	0.050	0.0	0.0	0.239
ENE	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.050
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	0.050	0.0	0.0	0.0	0.0	0.0	0.050
SE	0.0	0.0	0.329	0.978	0.090	0.0	0.0	0.0	0.0	1.397
SSE	0.0	0.0	0.050	0.559	0.0	0.050	0.0	0.0	0.0	0.659
S	0.0	0.0	0.090	0.469	0.050	0.0	0.0	0.0	0.0	0.609
SSW	0.0	0.0	0.140	0.0	0.0	0.0	0.0	0.0	0.0	0.140
SW	0.0	0.0	0.050	0.279	0.0	0.0	0.0	0.0	0.0	0.329
WSW	0.0	0.0	0.0	0.140	0.279	0.050	0.0	0.0	0.0	0.469
W	0.0	0.0	0.0	0.0	0.279	0.090	0.050	0.0	0.0	0.419
WNW	0.0	0.0	0.0	0.090	0.140	0.369	0.090	0.0	0.0	0.688
NW	0.0	0.0	0.0	0.0	0.190	0.329	0.090	0.0	0.0	0.609
NNW	0.0	0.0	0.0	0.0	0.190	0.329	0.279	0.0	0.0	0.798
TOTALS	0.0	0.0	0.708	2.614	1.357	2.385	0.748	0.0	0.0	7.813

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TABLE 5 (CONTINUED)

STABILITY CLASS C

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.0	0.0	0.140	0.190	0.0	0.0	0.0	0.329
NNE	0.0	0.0	0.0	0.090	0.140	0.190	0.050	0.0	0.0	0.469
NE	0.0	0.0	0.0	0.0	0.090	0.0	0.0	0.0	0.0	0.090
ENE	0.0	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.050
E	0.0	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.050
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	0.369	0.279	0.090	0.0	0.0	0.0	0.0	0.738
SSE	0.0	0.0	0.190	0.229	0.0	0.0	0.0	0.0	0.0	0.419
S	0.0	0.0	0.140	0.559	0.090	0.190	0.0	0.0	0.0	0.978
SSW	0.0	0.0	0.140	0.229	0.0	0.0	0.0	0.0	0.0	0.369
SW	0.0	0.0	0.140	0.090	0.050	0.0	0.0	0.0	0.0	0.279
WSW	0.0	0.0	0.0	0.050	0.090	0.0	0.0	0.0	0.0	0.140
W	0.0	0.0	0.050	0.050	0.050	0.050	0.0	0.0	0.0	0.200
WNW	0.0	0.0	0.050	0.050	0.329	0.090	0.050	0.0	0.0	0.569
NW	0.0	0.0	0.0	0.140	0.140	0.279	0.090	0.0	0.0	0.649
NNW	0.0	0.0	0.0	0.0	0.140	0.190	0.190	0.0	0.0	0.519
TOTALS	0.0	0.0	1.078	1.866	1.347	1.177	0.379	0.0	0.0	5.847

STABILITY CLASS D

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.090	0.229	0.140	1.626	0.279	0.0	0.0	2.365
NNE	0.0	0.0	0.140	0.419	0.649	1.487	0.279	0.0	0.0	2.974
NE	0.0	0.050	0.050	0.329	0.559	0.419	0.050	0.0	0.0	1.457
ENE	0.0	0.0	0.229	0.229	0.090	0.0	0.0	0.0	0.0	0.549
E	0.0	0.0	0.190	0.190	0.090	0.0	0.0	0.0	0.0	0.469
ESE	0.0	0.0	0.090	0.978	0.698	0.090	0.0	0.0	0.0	1.856
SE	0.0	0.0	1.157	1.157	0.878	0.0	0.0	0.0	0.0	3.193
SSE	0.0	0.0	1.257	0.738	0.090	0.279	0.0	0.0	0.0	2.365
S	0.0	0.0	0.978	0.878	0.609	0.279	0.0	0.0	0.0	2.744
SSW	0.0	0.0	0.738	0.698	0.369	0.0	0.0	0.0	0.0	1.806
SW	0.0	0.0	0.140	0.279	0.140	0.0	0.0	0.0	0.0	0.559
WSW	0.0	0.0	0.140	0.738	0.609	0.369	0.0	0.0	0.0	1.856
W	0.0	0.0	0.050	0.369	0.469	0.229	0.0	0.0	0.0	1.118
WNW	0.0	0.0	0.140	0.279	0.279	0.229	0.140	0.050	0.0	1.118
NW	0.0	0.0	0.050	0.190	0.369	0.190	0.369	0.050	0.0	1.217
NNW	0.0	0.0	0.090	0.509	0.369	1.018	0.609	0.0	0.0	2.594
TOTALS	0.0	0.050	5.528	8.212	6.406	6.216	1.726	0.100	0.0	28.238

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	2.80	4.45	6.91	9.59	13.00	
N	0.0	0.050	0.329	0.279	0.279	0.329	0.050	0.0	0.0	1.317
NNE	0.0	0.050	0.419	0.509	0.609	0.509	0.0	0.0	0.0	2.095
NE	0.0	0.140	0.369	0.609	0.509	0.509	0.0	0.0	0.0	2.135
ENE	0.0	0.090	0.978	0.509	0.140	0.090	0.0	0.0	0.0	1.806
E	0.0	0.0	0.419	0.838	0.090	0.0	0.0	0.0	0.0	1.347
ESE	0.0	0.0	0.838	2.135	0.509	0.190	0.0	0.0	0.0	3.672
SE	0.0	0.090	2.974	2.225	1.297	0.928	0.0	0.0	0.0	7.514
SSE	0.0	0.050	1.157	0.469	0.369	0.329	0.0	0.0	0.0	2.375
S	0.0	0.050	1.118	0.738	0.369	0.928	0.140	0.0	0.0	3.343
SSW	0.0	0.0	0.509	0.140	0.090	0.0	0.0	0.0	0.0	0.738
SW	0.0	0.0	0.419	0.050	0.0	0.0	0.0	0.0	0.0	0.469
WSW	0.0	0.0	0.509	0.838	0.190	0.0	0.0	0.0	0.0	1.537
W	0.0	0.0	0.229	0.838	0.190	0.279	0.0	0.0	0.0	1.537
WNW	0.0	0.0	0.0	0.090	0.0	0.369	0.0	0.0	0.0	0.459
NW	0.0	0.0	0.090	0.190	0.329	0.369	0.090	0.0	0.0	1.068
NNW	0.0	0.0	0.609	0.329	0.559	0.878	0.090	0.0	0.0	2.465
TOTALS	0.0	0.519	10.966	10.786	5.528	5.708	0.369	0.0	0.0	33.876

STABILITY CLASS F

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	
N	0.0	0.050	0.469	0.469	0.090	0.050	0.0	0.0	0.0	1.128
NNE	0.0	0.140	0.329	0.369	0.229	0.090	0.0	0.0	0.0	1.157
NE	0.0	0.140	0.329	0.369	0.279	0.0	0.0	0.0	0.0	1.118
ENE	0.0	0.050	0.369	0.469	0.050	0.0	0.0	0.0	0.0	0.938
E	0.0	0.0	0.419	0.978	0.0	0.0	0.0	0.0	0.0	1.397
ESE	0.0	0.0	0.279	0.090	0.0	0.0	0.0	0.0	0.0	0.369
SE	0.0	0.140	1.207	0.369	0.190	0.090	0.0	0.0	0.0	1.996
SSE	0.0	0.050	0.609	0.229	0.090	0.140	0.0	0.0	0.0	1.118
S	0.0	0.050	0.190	0.050	0.140	0.090	0.0	0.0	0.0	0.519
SSW	0.0	0.050	0.140	0.0	0.0	0.0	0.0	0.0	0.0	0.190
SW	0.0	0.0	0.329	0.0	0.0	0.0	0.0	0.0	0.0	0.329
WSW	0.0	0.0	0.140	0.279	0.0	0.0	0.0	0.0	0.0	0.419
W	0.0	0.0	0.190	0.0	0.0	0.050	0.0	0.0	0.0	0.239
WNW	0.0	0.050	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.100
NW	0.0	0.0	0.090	0.050	0.0	0.0	0.0	0.0	0.0	0.140
NNW	0.0	0.050	0.140	0.229	0.140	0.090	0.0	0.0	0.0	0.649
TOTALS	0.0	0.768	5.278	3.951	1.207	0.599	0.0	0.0	0.0	11.804

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TABLE 5 (CONTINUED)

STABILITY CLASS G										
WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.050	0.788	0.329	0.0	0.0	0.0	0.0	0.0	1.167
NN	0.0	0.0	0.928	0.369	0.090	0.0	0.0	0.0	0.0	1.387
NE	0.0	0.0	0.229	0.050	0.050	0.0	0.0	0.0	0.0	0.329
ENE	0.0	0.050	0.559	0.190	0.0	0.0	0.0	0.0	0.0	0.798
E	0.0	0.0	0.419	0.279	0.0	0.0	0.0	0.0	0.0	0.698
ESE	0.0	0.050	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.100
SE	0.0	0.0	0.229	0.050	0.0	0.229	0.0	0.0	0.0	0.509
SSE	0.0	0.0	0.229	0.140	0.140	0.090	0.0	0.0	0.0	0.599
S	0.0	0.050	0.090	0.0	0.050	0.0	0.0	0.0	0.0	0.190
SSW	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.050
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	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.050
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.050
NW	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.050
NNW	0.0	0.050	0.279	0.190	0.0	0.0	0.0	0.0	0.0	0.519
TOTALS	0.0	0.349	3.901	1.597	0.329	0.319	0.0	0.0	0.0	6.496

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TABLE 6

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL DATA

SPLIT-LEVEL JOINT FREQUENCY DISTRIBUTION IN PERCENT

REACTOR AND RADWASTE BUILDING RELEASES - FIRST QUARTER, 1979

GROUND-LEVEL PORTION

STABILITY CLASS A

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.010	0.030	0.0	0.0	0.0	0.0	0.040
SSE	0.0	0.0	0.0	0.020	0.030	0.0	0.0	0.0	0.0	0.050
S	0.0	0.0	0.0	0.010	0.010	0.0	0.0	0.0	0.0	0.020
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	0.0	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	0.090	0.0	0.0	0.090
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.140	0.0	0.0	0.140
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	0.0	0.0	0.0	0.040	0.070	0.0	0.230	0.0	0.0	0.340

STABILITY CLASS B

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.0	0.0	0.0	0.050	0.040	0.0	0.0	0.090
NNE	0.0	0.0	0.0	0.0	0.0	0.040	0.080	0.0	0.0	0.120
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	0.010	0.0	0.0	0.0	0.0	0.0	0.010
SE	0.0	0.0	0.0	0.030	0.020	0.050	0.0	0.0	0.0	0.100
SSE	0.0	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.0	0.040
S	0.0	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.0	0.020
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	0.010	0.0	0.0	0.0	0.0	0.0	0.010
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	0.010	0.0	0.0	0.0	0.0	0.010
WNW	0.0	0.0	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.010
NW	0.0	0.0	0.0	0.0	0.010	0.090	0.230	0.0	0.0	0.330
NNW	0.0	0.0	0.0	0.0	0.0	0.110	0.320	0.0	0.0	0.430
TOTALS	0.0	0.0	0.0	0.070	0.080	0.350	0.669	0.0	0.0	1.169

917061

~~316348~~

TABLE 6 (CONTINUED)

STABILITY CLASS C

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.010	0.060	0.0	0.0	0.0	0.070
NE	0.0	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.010
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	0.020	0.010	0.050	0.0	0.0	0.0	0.080
SSE	0.0	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.010
S	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.010
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	0.0	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	0.010	0.0	0.0	0.0	0.010
NW	0.0	0.0	0.0	0.0	0.0	0.190	0.370	0.0	0.0	0.560
NNW	0.0	0.0	0.0	0.0	0.0	0.030	0.370	0.0	0.0	0.400
TOTALS	0.0	0.0	0.0	0.030	0.040	0.340	0.739	0.0	0.0	1.149

STABILITY CLASS D

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.0	0.060	0.110	0.210	0.729	0.0	0.0	1.109
NNE	0.0	0.0	0.0	0.100	0.110	0.709	0.649	0.0	0.0	1.569
NE	0.0	0.0	0.020	0.120	0.090	0.270	0.0	0.0	0.0	0.500
ENE	0.0	0.0	0.010	0.030	0.050	0.0	0.0	0.0	0.0	0.090
E	0.0	0.0	0.010	0.060	0.070	0.0	0.0	0.0	0.0	0.140
ESE	0.0	0.0	0.020	0.040	0.040	0.0	0.0	0.0	0.0	0.100
SE	0.0	0.0	0.020	0.120	0.200	0.080	0.0	0.0	0.0	0.420
SSE	0.0	0.0	0.010	0.060	0.060	0.0	0.0	0.0	0.0	0.130
S	0.0	0.0	0.010	0.040	0.030	0.0	0.0	0.0	0.0	0.080
SSW	0.0	0.0	0.0	0.020	0.0	0.050	0.0	0.0	0.0	0.070
SW	0.0	0.0	0.0	0.040	0.010	0.050	0.090	0.0	0.0	0.190
WSW	0.0	0.0	0.0	0.020	0.0	0.380	0.190	0.0	0.0	0.589
W	0.0	0.0	0.0	0.020	0.030	0.290	0.839	0.050	0.0	1.229
WNW	0.0	0.0	0.0	0.020	0.070	0.550	1.968	1.159	0.0	3.767
NW	0.0	0.0	0.0	0.010	0.050	0.649	2.348	0.460	0.0	3.517
NNW	0.0	0.0	0.0	0.030	0.130	1.798	1.888	0.050	0.0	3.897
TOTALS	0.0	0.0	0.100	0.789	1.049	5.036	8.702	1.718	0.0	17.395

917062

~~SECRET~~

TABLE 6 (CONTINUED)

STABILITY CLASS E

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.040	0.090	0.040	0.100	0.050	0.050	0.0	0.370
NNE	0.0	0.0	0.060	0.140	0.090	0.520	0.140	0.050	0.0	0.999
NE	0.0	0.0	0.080	0.170	0.160	0.060	0.090	0.0	0.0	0.560
ENE	0.0	0.0	0.080	0.110	0.120	0.090	0.0	0.0	0.0	0.400
E	0.0	0.0	0.070	0.190	0.080	0.160	0.0	0.0	0.0	0.500
ESE	0.0	0.0	0.040	0.280	0.160	0.070	0.0	0.0	0.0	0.550
SE	0.0	0.0	0.120	0.560	0.639	0.929	0.050	0.0	0.0	2.298
SSE	0.0	0.0	0.070	0.350	0.480	0.739	0.090	0.0	0.0	1.728
S	0.0	0.0	0.060	0.150	0.659	1.609	0.140	0.0	0.0	2.618
SSW	0.0	0.0	0.020	0.010	0.110	0.050	0.0	0.0	0.0	0.190
SW	0.0	0.0	0.020	0.030	0.050	0.140	0.0	0.0	0.0	0.240
WSW	0.0	0.0	0.050	0.060	0.050	0.300	0.230	0.0	0.0	0.689
W	0.0	0.0	0.050	0.090	0.100	0.520	0.330	0.0	0.0	1.089
WNW	0.0	0.0	0.0	0.040	0.050	0.290	0.769	0.140	0.0	1.289
NW	0.0	0.0	0.0	0.030	0.040	0.390	0.330	0.050	0.0	0.839
NNW	0.0	0.0	0.040	0.100	0.160	0.260	0.320	0.050	0.0	0.929
TOTALS	0.0	0.0	0.799	2.398	2.987	6.225	2.538	0.340	0.0	15.287

STABILITY CLASS F

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.0	0.040	0.040	0.030	0.0	0.0	0.0	0.110
NNE	0.0	0.0	0.040	0.030	0.020	0.0	0.0	0.0	0.0	0.090
NE	0.0	0.0	0.020	0.040	0.070	0.0	0.0	0.0	0.0	0.130
ENE	0.0	0.0	0.050	0.070	0.030	0.0	0.0	0.0	0.0	0.160
E	0.0	0.0	0.100	0.130	0.040	0.0	0.0	0.0	0.0	0.270
ESE	0.0	0.0	0.110	0.110	0.020	0.050	0.0	0.0	0.0	0.290
SE	0.0	0.0	0.140	0.420	0.280	0.490	0.090	0.050	0.0	1.469
SSE	0.0	0.0	0.130	0.320	0.520	0.979	0.090	0.0	0.0	2.038
S	0.0	0.0	0.030	0.210	0.540	0.739	0.0	0.0	0.0	1.519
SSW	0.0	0.0	0.0	0.070	0.0	0.0	0.0	0.0	0.0	0.070
SW	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.010
WSW	0.0	0.0	0.020	0.010	0.0	0.0	0.0	0.0	0.0	0.030
W	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.010
WNW	0.0	0.0	0.010	0.010	0.0	0.030	0.0	0.0	0.0	0.050
NW	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.010
NNW	0.0	0.0	0.0	0.020	0.0	0.050	0.0	0.0	0.0	0.070
TOTALS	0.0	0.0	0.669	1.499	1.559	2.368	0.180	0.050	0.0	6.324

917063

TABLE 6 (CONTINUED)

STABILITY CLASS G

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.010
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	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.010
ENE	0.0	0.0	0.020	0.010	0.0	0.0	0.0	0.0	0.0	0.030
E	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.010
ESE	0.0	0.0	0.030	0.0	0.0	0.0	0.0	0.0	0.0	0.030
SE	0.0	0.0	0.080	0.360	0.220	0.090	0.0	0.0	0.0	0.749
SSE	0.0	0.010	0.090	0.679	0.729	0.190	0.0	0.0	0.0	1.699
S	0.0	0.0	0.010	0.140	0.330	0.330	0.0	0.0	0.0	0.809
SSW	0.0	0.0	0.010	0.040	0.0	0.0	0.0	0.0	0.0	0.050
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	0.0	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
TOTALS	0.0	0.010	0.260	1.239	1.279	0.609	0.0	0.0	0.0	3.397

917064

TABLE 6 (CONTINUED)

ELEVATED PORTION OF SPLIT-LEVEL JFD'S

STABILITY CLASS A

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STABILITY CLASS B

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.030	0.0	0.0	0.0	0.030
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.030	0.0	0.0	0.0	0.030

TABLE 6 (CONTINUED)

STABILITY CLASS C

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.040	0.0	0.0	0.0	0.0	0.040
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	0.090	0.0	0.0	0.0	0.0	0.0	0.0	0.090
SSW	0.0	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.0	0.040
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	0.0	0.0	0.020	0.0	0.0	0.0	0.020
W	0.0	0.0	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.040
WNW	0.0	0.0	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.040
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
TOTALS	0.0	0.0	0.090	0.0	0.080	0.100	0.0	0.0	0.0	0.270

STABILITY CLASS D

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.140	0.090	0.550	0.689	0.080	0.0	0.0	1.549
NNE	0.0	0.0	0.230	0.510	1.259	1.279	0.190	0.0	0.0	3.467
NE	0.0	0.0	0.190	0.969	0.470	1.279	0.010	0.0	0.0	2.917
ENE	0.0	0.050	0.140	0.290	0.200	0.250	0.0	0.0	0.0	0.929
E	0.0	0.0	0.090	0.260	0.320	0.550	0.050	0.0	0.0	1.269
ESE	0.0	0.0	0.140	0.639	0.470	0.659	0.010	0.0	0.0	1.918
SE	0.0	0.0	0.320	1.109	0.699	0.759	0.080	0.0	0.0	2.967
SSE	0.0	0.0	0.190	0.599	0.390	0.470	0.070	0.0	0.0	1.718
S	0.0	0.0	0.090	0.560	0.280	0.490	0.080	0.0	0.0	1.499
SSW	0.0	0.0	0.050	0.330	0.360	0.500	0.070	0.0	0.0	1.309
SW	0.0	0.0	0.050	0.380	0.280	0.060	0.030	0.0	0.0	0.799
WSW	0.0	0.0	0.140	0.340	0.240	0.150	0.080	0.0	0.0	0.949
W	0.0	0.0	0.090	0.300	0.280	1.029	0.090	0.0	0.0	1.788
WNW	0.0	0.0	0.050	0.290	0.350	0.839	0.230	0.0	0.0	1.758
NW	0.0	0.0	0.0	0.340	0.430	1.649	0.400	0.0	0.0	2.818
NNW	0.0	0.0	0.090	0.270	0.390	1.439	0.210	0.0	0.0	2.338
TOTALS	0.0	0.050	1.998	7.214	6.964	12.089	1.679	0.0	0.0	29.994

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TABLE 6 (CONTINUED)

STABILITY CLASS E

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.190	0.120	0.280	0.060	0.020	0.0	0.0	0.669
NNE	0.0	0.0	0.050	0.210	0.390	0.430	0.020	0.0	0.0	1.099
NE	0.0	0.0	0.190	0.170	0.510	0.609	0.0	0.0	0.0	1.479
ENE	0.0	0.0	0.090	0.250	0.510	0.250	0.0	0.0	0.0	1.099
E	0.0	0.0	0.140	0.080	0.240	0.679	0.030	0.0	0.0	1.169
ESE	0.0	0.0	0.280	0.540	1.339	1.778	0.030	0.0	0.0	3.967
SE	0.0	0.0	0.0	0.719	0.859	1.998	0.240	0.0	0.0	3.817
SSE	0.0	0.0	0.370	0.170	0.270	1.039	0.130	0.0	0.0	1.978
S	0.0	0.0	0.190	0.170	0.120	0.500	0.190	0.0	0.0	1.169
SSW	0.0	0.0	0.0	0.130	0.080	0.320	0.010	0.0	0.0	0.540
SW	0.0	0.0	0.090	0.210	0.320	0.180	0.010	0.0	0.0	0.809
WSW	0.0	0.0	0.090	0.080	0.160	0.170	0.0	0.0	0.0	0.500
W	0.0	0.0	0.090	0.120	0.160	0.070	0.0	0.0	0.0	0.440
WNW	0.0	0.0	0.0	0.210	0.0	0.190	0.0	0.0	0.0	0.400
NW	0.0	0.0	0.050	0.170	0.040	0.220	0.010	0.0	0.0	0.490
NNW	0.0	0.0	0.050	0.300	0.120	0.260	0.0	0.0	0.0	0.729
TOTALS	0.0	0.0	1.868	3.647	5.395	8.752	0.689	0.0	0.0	20.352

STABILITY CLASS F

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.050	0.0	0.0	0.040	0.0	0.0	0.0	0.090
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	0.080	0.080	0.190	0.0	0.0	0.0	0.350
ENE	0.0	0.0	0.0	0.0	0.080	0.280	0.0	0.0	0.0	0.360
E	0.0	0.0	0.0	0.0	0.160	0.430	0.0	0.0	0.0	0.589
ESE	0.0	0.0	0.0	0.130	0.280	0.080	0.0	0.0	0.0	0.490
SE	0.0	0.0	0.140	0.340	0.230	0.370	0.0	0.0	0.0	1.079
SSE	0.0	0.0	0.050	0.0	0.120	0.070	0.0	0.0	0.0	0.240
S	0.0	0.0	0.0	0.080	0.040	0.140	0.0	0.0	0.0	0.260
SSW	0.0	0.0	0.0	0.0	0.040	0.070	0.0	0.0	0.0	0.110
SW	0.0	0.0	0.0	0.040	0.040	0.110	0.0	0.0	0.0	0.190
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
TOTALS	0.0	0.0	0.240	0.669	1.069	1.778	0.0	0.0	0.0	3.757

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TABLE 6 (CONTINUED)

STABILITY CLASS G

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.100	0.0	0.0	0.0	0.100
E	0.0	0.0	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.040
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	0.080	0.120	0.040	0.0	0.0	0.0	0.240
SSE	0.0	0.0	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.040
S	0.0	0.0	0.0	0.0	0.0	0.080	0.0	0.0	0.0	0.080
SSW	0.0	0.0	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.040
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	0.0	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
TOTALS	0.0	0.0	0.0	0.080	0.120	0.340	0.0	0.0	0.0	0.540

GROUND-LEVEL RELEASES = 45.1 PERCENT

ELEVATED RELEASES = 54.9 PERCENT

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TABLE 7

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL DATA

SPLIT-LEVEL JOINT FREQUENCY DISTRIBUTION IN PERCENT

REACTOR AND RADWASTE BUILDING RELEASES - SECOND QUARTER, 1979

GROUND-LEVEL PORTION

STABILITY CLASS A										
SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	
N	0.0	0.0	0.0	0.0	0.0	0.030	0.0	0.0	0.0	0.030
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.280	0.0	0.0	0.280
NE	0.0	0.0	0.0	0.0	0.0	0.030	0.0	0.0	0.0	0.030
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	0.010	0.010	0.0	0.0	0.0	0.0	0.020
SE	0.0	0.0	0.0	0.240	0.060	0.0	0.0	0.0	0.0	0.300
SSE	0.0	0.0	0.0	0.080	0.080	0.0	0.0	0.0	0.0	0.160
S	0.0	0.0	0.0	0.060	0.060	0.050	0.0	0.0	0.0	0.190
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	0.010	0.010	0.0	0.0	0.0	0.0	0.020
WSW	0.0	0.0	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.020
W	0.0	0.0	0.0	0.0	0.010	0.010	0.0	0.0	0.0	0.020
WNW	0.0	0.0	0.0	0.0	0.0	0.160	0.0	0.0	0.0	0.160
NW	0.0	0.0	0.0	0.0	0.010	0.240	0.0	0.0	0.0	0.250
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.280	0.050	0.0	0.329
TOTALS	0.0	0.0	0.0	0.399	0.280	0.519	0.559	0.050	0.0	1.807

STABILITY CLASS B										
SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	
N	0.0	0.0	0.0	0.0	0.020	0.130	0.080	0.0	0.0	0.230
NNE	0.0	0.0	0.0	0.0	0.010	0.220	0.180	0.0	0.0	0.409
NE	0.0	0.0	0.0	0.0	0.0	0.090	0.050	0.0	0.0	0.140
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	0.030	0.170	0.060	0.0	0.0	0.0	0.0	0.260
SSE	0.0	0.0	0.0	0.090	0.0	0.050	0.0	0.0	0.0	0.140
S	0.0	0.0	0.010	0.110	0.050	0.0	0.0	0.0	0.0	0.170
SSW	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.010
SW	0.0	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.0	0.020
WSW	0.0	0.0	0.0	0.030	0.050	0.030	0.0	0.0	0.0	0.110
W	0.0	0.0	0.0	0.0	0.050	0.020	0.050	0.0	0.0	0.120
WNW	0.0	0.0	0.0	0.010	0.020	0.100	0.090	0.0	0.0	0.220
NW	0.0	0.0	0.0	0.0	0.030	0.150	0.090	0.0	0.0	0.270
NNW	0.0	0.0	0.0	0.0	0.030	0.180	0.359	0.0	0.0	0.569
TOTALS	0.0	0.0	0.040	0.439	0.319	0.968	0.899	0.0	0.0	2.666

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TABLE 7 (CONTINUED)

STABILITY CLASS C										
WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.0	0.0	0.020	0.070	0.0	0.0	0.0	0.090
NNE	0.0	0.0	0.0	0.010	0.020	0.050	0.0	0.0	0.0	0.080
NE	0.0	0.0	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.020
ENE	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.010
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	0.030	0.030	0.010	0.0	0.0	0.0	0.0	0.070
SSE	0.0	0.0	0.010	0.020	0.0	0.0	0.0	0.0	0.0	0.030
S	0.0	0.0	0.0	0.050	0.090	0.190	0.0	0.0	0.0	0.329
SSW	0.0	0.0	0.010	0.020	0.0	0.0	0.0	0.0	0.0	0.030
SW	0.0	0.0	0.010	0.010	0.010	0.0	0.0	0.0	0.0	0.030
WSW	0.0	0.0	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.020
W	0.0	0.0	0.0	0.0	0.010	0.010	0.0	0.0	0.0	0.020
WNW	0.0	0.0	0.0	0.0	0.050	0.030	0.050	0.0	0.0	0.130
NW	0.0	0.0	0.0	0.020	0.030	0.070	0.140	0.0	0.0	0.260
NNW	0.0	0.0	0.0	0.0	0.030	0.040	0.190	0.0	0.0	0.260
TOTALS	0.0	0.0	0.060	0.170	0.309	0.459	0.379	0.0	0.0	1.378

STABILITY CLASS D										
WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.010	0.030	0.020	0.729	0.270	0.0	0.0	1.058
NNE	0.0	0.0	0.0	0.040	0.120	0.809	0.280	0.0	0.0	1.246
NE	0.0	0.0	0.0	0.050	0.110	0.230	0.050	0.0	0.0	0.439
ENE	0.0	0.0	0.010	0.030	0.020	0.0	0.0	0.0	0.0	0.060
E	0.0	0.0	0.010	0.030	0.020	0.0	0.0	0.0	0.0	0.060
ESE	0.0	0.0	0.0	0.150	0.210	0.050	0.0	0.0	0.0	0.409
SE	0.0	0.0	0.060	0.210	0.349	0.0	0.0	0.0	0.0	0.619
SSE	0.0	0.0	0.080	0.130	0.090	0.280	0.0	0.0	0.0	0.579
S	0.0	0.0	0.080	0.270	0.419	0.270	0.0	0.0	0.0	1.038
SSW	0.0	0.0	0.070	0.160	0.329	0.0	0.0	0.0	0.0	0.559
SW	0.0	0.0	0.010	0.050	0.050	0.0	0.0	0.0	0.0	0.110
WSW	0.0	0.0	0.010	0.150	0.170	0.240	0.0	0.0	0.0	0.569
W	0.0	0.0	0.0	0.050	0.090	0.070	0.0	0.0	0.0	0.210
WNW	0.0	0.0	0.010	0.030	0.050	0.130	0.140	0.050	0.0	0.409
NW	0.0	0.0	0.0	0.030	0.060	0.130	0.329	0.050	0.0	0.599
NNW	0.0	0.0	0.0	0.050	0.060	0.549	0.609	0.0	0.0	1.268
TOTALS	0.0	0.0	0.349	1.458	2.166	3.484	1.677	0.100	0.0	9.235

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TABLE 7 (CONTINUED)

STABILITY CLASS E

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.010	0.040	0.050	0.060	0.280	0.050	0.0	0.0	0.489
NNE	0.0	0.0	0.050	0.090	0.220	0.309	0.0	0.0	0.0	0.669
NE	0.0	0.020	0.050	0.110	0.150	0.389	0.0	0.0	0.0	0.719
ENE	0.0	0.010	0.090	0.090	0.050	0.070	0.0	0.0	0.0	0.309
E	0.0	0.0	0.040	0.150	0.050	0.0	0.0	0.0	0.0	0.240
ESE	0.0	0.0	0.090	0.389	0.130	0.150	0.0	0.0	0.0	0.759
SE	0.0	0.0	0.359	0.529	0.769	0.819	0.0	0.0	0.0	2.470
SSE	0.0	0.0	0.170	0.280	0.359	0.329	0.0	0.0	0.0	1.138
S	0.0	0.010	0.140	0.339	0.369	0.928	0.140	0.0	0.0	1.927
SSW	0.0	0.0	0.070	0.100	0.090	0.0	0.0	0.0	0.0	0.260
SW	0.0	0.0	0.040	0.010	0.0	0.0	0.0	0.0	0.0	0.050
WSW	0.0	0.0	0.070	0.160	0.070	0.0	0.0	0.0	0.0	0.300
W	0.0	0.0	0.030	0.140	0.040	0.190	0.0	0.0	0.0	0.399
WNW	0.0	0.0	0.0	0.020	0.0	0.160	0.0	0.0	0.0	0.180
NW	0.0	0.0	0.010	0.030	0.080	0.250	0.090	0.0	0.0	0.459
NNW	0.0	0.0	0.060	0.060	0.180	0.719	0.090	0.0	0.0	1.108
TOTALS	0.0	0.050	1.308	2.546	2.616	4.592	0.369	0.0	0.0	11.481

STABILITY CLASS F

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.060	0.090	0.030	0.040	0.0	0.0	0.0	0.220
NNE	0.0	0.010	0.040	0.080	0.140	0.080	0.0	0.0	0.0	0.349
NE	0.0	0.010	0.020	0.070	0.200	0.0	0.0	0.0	0.0	0.300
ENE	0.0	0.010	0.030	0.100	0.050	0.0	0.0	0.0	0.0	0.190
E	0.0	0.0	0.030	0.180	0.0	0.0	0.0	0.0	0.0	0.210
ESE	0.0	0.0	0.030	0.020	0.0	0.0	0.0	0.0	0.0	0.050
SE	0.0	0.010	0.200	0.130	0.160	0.090	0.0	0.0	0.0	0.589
SSE	0.0	0.010	0.050	0.220	0.090	0.140	0.0	0.0	0.0	0.509
S	0.0	0.0	0.020	0.040	0.120	0.090	0.0	0.0	0.0	0.270
SSW	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.010
SW	0.0	0.0	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.040
WSW	0.0	0.0	0.020	0.040	0.0	0.0	0.0	0.0	0.0	0.060
W	0.0	0.0	0.030	0.0	0.0	0.050	0.0	0.0	0.0	0.080
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	0.010	0.010	0.0	0.0	0.0	0.0	0.0	0.020
NNW	0.0	0.0	0.010	0.050	0.070	0.080	0.0	0.0	0.0	0.210
TOTALS	0.0	0.050	0.599	1.028	0.859	0.569	0.0	0.0	0.0	3.105

TABLE 7 (CONTINUED)

STABILITY CLASS G

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.070	0.080	0.0	0.0	0.0	0.0	0.0	0.150
NNE	0.0	0.0	0.090	0.110	0.070	0.0	0.0	0.0	0.0	0.270
NE	0.0	0.0	0.040	0.010	0.040	0.0	0.0	0.0	0.0	0.090
ENE	0.0	0.010	0.050	0.030	0.0	0.0	0.0	0.0	0.0	0.090
E	0.0	0.0	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.070
ESE	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.010
SE	0.0	0.0	0.030	0.030	0.0	0.230	0.0	0.0	0.0	0.290
SSE	0.0	0.0	0.020	0.080	0.140	0.090	0.0	0.0	0.0	0.329
S	0.0	0.0	0.010	0.0	0.050	0.0	0.0	0.0	0.0	0.060
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	0.0	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	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.070
TOTALS	0.0	0.010	0.379	0.419	0.300	0.319	0.0	0.0	0.0	1.426

317072

TABLE 7 (CONTINUED)

Elevated Portion of Split-Level JFD

STABILITY CLASS A

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STABILITY CLASS B

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 7 (CONTINUED)

STABILITY CLASS C										
WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STABILITY CLASS D										
WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.050	0.290	0.309	1.398	0.140	0.0	0.0	2.186
NNE	0.0	0.0	0.0	0.250	0.270	1.567	0.210	0.0	0.0	2.296
NE	0.0	0.0	0.090	0.080	0.669	0.849	0.070	0.0	0.0	1.757
ENE	0.0	0.0	0.0	0.040	0.309	0.240	0.0	0.0	0.0	0.589
E	0.0	0.0	0.140	0.210	0.200	0.110	0.0	0.0	0.0	0.659
ESE	0.0	0.0	0.369	0.469	0.309	0.659	0.040	0.0	0.0	1.847
SE	0.0	0.050	0.649	2.047	0.948	2.166	0.120	0.0	0.0	5.980
SSE	0.0	0.0	0.419	0.978	0.509	0.719	0.070	0.0	0.0	2.696
S	0.0	0.0	0.419	1.028	0.549	0.549	0.130	0.0	0.0	2.676
SSW	0.0	0.0	0.280	0.419	0.399	0.459	0.040	0.0	0.0	1.597
SW	0.0	0.0	0.419	1.028	0.120	0.629	0.110	0.0	0.0	2.306
WSW	0.0	0.050	0.050	0.300	0.829	0.539	0.030	0.0	0.0	1.797
W	0.0	0.0	0.090	0.170	0.699	0.759	0.020	0.0	0.0	1.737
WNW	0.0	0.0	0.090	0.220	0.429	1.098	0.040	0.0	0.0	1.877
NW	0.0	0.0	0.0	0.329	0.978	1.338	0.150	0.0	0.0	2.795
NNW	0.0	0.0	0.190	0.210	0.309	0.839	0.140	0.0	0.0	1.687
TOTALS	0.0	0.100	3.255	8.067	7.837	13.917	1.308	0.0	0.0	34.482

POOR ORIGINAL

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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	2.80	4.45	6.91	9.59	13.00	
N	0.0	0.0	0.0	0.260	0.240	0.369	0.030	0.0	0.0	0.899
NNE	0.0	0.0	0.090	0.220	0.200	0.679	0.060	0.0	0.0	1.248
NE	0.0	0.050	0.050	0.250	0.389	0.988	0.050	0.0	0.0	1.777
ENE	0.0	0.0	0.140	0.379	0.429	0.319	0.040	0.0	0.0	1.308
E	0.0	0.0	0.090	0.379	0.240	0.399	0.020	0.0	0.0	1.128
ESE	0.0	0.0	0.050	0.459	0.629	1.388	0.0	0.0	0.0	2.526
SE	0.0	0.050	0.549	1.537	2.156	2.286	0.050	0.0	0.0	6.629
SSE	0.0	0.0	0.280	0.849	0.899	0.809	0.090	0.0	0.0	2.925
S	0.0	0.0	0.319	0.589	0.280	0.579	0.070	0.0	0.0	1.837
SSW	0.0	0.0	0.180	0.300	0.200	0.549	0.030	0.0	0.0	1.258
SW	0.0	0.090	0.180	0.339	0.160	0.210	0.0	0.0	0.0	0.978
WSW	0.0	0.050	0.329	0.260	0.200	0.439	0.0	0.0	0.0	1.278
W	0.0	0.0	0.230	0.300	0.479	0.250	0.030	0.0	0.0	1.288
WNW	0.0	0.0	0.190	0.170	0.120	0.190	0.020	0.0	0.0	0.689
NW	0.0	0.0	0.090	0.0	0.160	0.329	0.050	0.0	0.0	0.629
NNW	0.0	0.0	0.050	0.170	0.120	0.319	0.010	0.0	0.0	0.669
TOTALS	0.0	0.240	2.815	6.459	6.898	10.103	0.549	0.0	0.0	27.065

STABILITY CLASS F

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	
N	0.0	0.0	0.050	0.080	0.080	0.250	0.0	0.0	0.0	0.459
NNE	0.0	0.0	0.0	0.0	0.040	0.210	0.050	0.0	0.0	0.300
NE	0.0	0.0	0.050	0.0	0.160	0.270	0.010	0.0	0.0	0.489
ENE	0.0	0.0	0.050	0.080	0.080	0.100	0.020	0.0	0.0	0.329
E	0.0	0.0	0.050	0.0	0.040	0.070	0.0	0.0	0.0	0.160
ESE	0.0	0.0	0.050	0.170	0.160	0.379	0.0	0.0	0.0	0.759
SE	0.0	0.0	0.230	0.339	0.240	0.110	0.0	0.0	0.0	0.918
SSE	0.0	0.0	0.050	0.090	0.160	0.040	0.0	0.0	0.0	0.339
S	0.0	0.0	0.140	0.170	0.160	0.060	0.020	0.0	0.0	0.549
SSW	0.0	0.0	0.090	0.130	0.080	0.230	0.0	0.0	0.0	0.529
SW	0.0	0.050	0.0	0.0	0.280	0.110	0.0	0.0	0.0	0.439
WSW	0.0	0.0	0.050	0.040	0.0	0.080	0.0	0.0	0.0	0.170
W	0.0	0.0	0.050	0.040	0.0	0.0	0.0	0.0	0.0	0.090
WNW	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.050
NW	0.0	0.0	0.050	0.080	0.080	0.040	0.0	0.0	0.0	0.250
NNW	0.0	0.0	0.050	0.040	0.040	0.170	0.0	0.0	0.0	0.300
TOTALS	0.0	0.050	1.008	1.258	1.597	2.116	0.100	0.0	0.0	6.130

TABLE 7 (CONTINUED)

STABILITY CLASS G

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.1	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.0	0.0	0.0	0.070	0.0	0.0	0.0	0.070
NNE	0.0	0.0	0.0	0.0	0.040	0.060	0.0	0.0	0.0	0.100
NE	0.0	0.0	0.0	0.0	0.120	0.140	0.0	0.0	0.0	0.260
ENE	0.0	0.0	0.0	0.040	0.040	0.100	0.0	0.0	0.0	0.180
E	0.0	0.0	0.0	0.0	0.080	0.0	0.0	0.0	0.0	0.080
ESE	0.0	0.0	0.0	0.090	0.080	0.0	0.0	0.0	0.0	0.170
SF	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	0.040	0.0	0.0	0.0	0.0	0.0	0.040
S	0.0	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.0	0.040
SSW	0.0	0.0	0.0	0.0	0.040	0.040	0.0	0.0	0.0	0.080
SW	0.0	0.0	0.0	0.0	0.080	0.0	0.0	0.0	0.0	0.080
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	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.050
NW	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.0	0.0	0.040
NNW	0.0	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.0	0.040
TOTALS	0.0	0.0	0.050	0.210	0.559	0.409	0.0	0.0	0.0	1.228

GROUND-LEVEL RELEASES = 31.1 PERCENT

ELEVATED RELEASES = 68.9 PERCENT

317076

POOR ORIGINAL

TABLE 8

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL DATA

ELEVATED JOINT FREQUENCY DISTRIBUTION IN PERCENT

STACK RELEASES - FIRST QUARTER, 1979

STABILITY CLASS A

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STABILITY CLASS B

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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TABLE 8 (CONTINUED)

STABILITY CLASS C

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STABILITY CLASS D

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
N	0.0	0.0	0.140	0.380	0.610	0.940	1.080	0.610	0.0	3.761
NNE	0.0	0.0	0.090	0.280	0.570	2.120	1.890	0.280	1.050	5.281
NE	0.0	0.050	0.090	0.610	0.900	2.120	0.900	0.090	0.050	4.811
ENE	0.0	0.0	0.240	0.800	0.470	1.460	1.130	0.050	0.0	4.151
E	0.0	0.0	0.140	0.570	0.660	1.460	0.380	0.090	0.0	3.301
ESE	0.0	0.0	0.240	0.330	0.710	2.080	2.310	0.240	0.0	5.911
SE	0.0	0.050	0.190	0.570	1.230	2.881	3.351	2.220	1.650	12.143
SSE	0.0	0.0	0.280	0.660	0.610	2.781	2.921	1.510	0.900	9.662
S	0.0	0.0	0.190	0.420	0.470	1.840	2.921	1.750	0.420	8.012
SSW	0.0	0.0	0.280	0.380	0.420	1.420	2.120	0.940	0.190	5.751
SW	0.0	0.0	0.280	0.280	0.570	0.800	0.850	0.470	0.240	3.491
WSW	0.0	0.0	0.190	0.420	0.470	0.710	0.800	0.470	0.470	3.531
W	0.0	0.0	0.140	0.520	0.420	0.900	0.610	1.180	0.940	4.711
WNW	0.0	0.0	0.050	0.240	0.520	1.700	2.451	1.790	1.080	7.832
NW	0.0	0.0	0.190	0.520	0.750	2.080	3.401	2.781	0.710	10.432
NNW	0.0	0.0	0.330	0.050	0.280	2.220	3.071	1.080	0.190	7.221
TOTALS	0.0	0.100	3.061	7.031	9.662	27.516	30.186	15.553	6.891	100.000

TABLE 8 (CONTINUED)

STABILITY CLASS E

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STABILITY CLASS F

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 8 (CONTINUED)

STABILITY CLASS G

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

GROUND-LEVEL RELEASES = 0.0 PERCENT

ELEVATED RELEASES = 100.0 PERCENT

TABLE 9

BROWNS FERRY NUCLEAR PLANT METEOROLOGICAL DATA

ELEVATED JOINT FREQUENCY DISTRIBUTION IN PERCENT

STACK RELEASES - SECOND QUARTER, 1979

STABILITY CLASS A										
WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STABILITY CLASS B										
WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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TABLE 9 (CONTINUED)

STABILITY CLASS C

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STABILITY CLASS D

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	
N	0.0	0.050	0.140	0.180	0.410	2.490	2.030	0.780	0.0	6.080
NNE	0.0	0.0	0.140	0.180	0.410	1.980	2.390	0.780	0.050	5.930
NE	0.0	0.0	0.180	0.090	0.640	1.930	1.930	0.410	0.0	5.180
ENE	0.0	0.050	0.0	0.050	0.180	1.430	0.970	0.410	0.0	3.090
E	0.0	0.050	0.280	0.320	0.740	1.060	0.280	0.140	0.0	2.870
ESE	0.0	0.0	0.230	0.550	0.510	1.610	1.610	0.550	0.050	5.110
SE	0.0	0.0	0.460	1.930	1.930	3.640	5.990	2.260	0.640	16.850
SSE	0.0	0.0	0.410	1.340	1.340	2.670	1.700	0.920	0.550	8.930
S	0.0	0.0	0.550	1.290	0.740	2.580	2.160	1.340	0.090	8.750
SSW	0.0	0.0	0.140	0.970	0.640	1.200	1.890	0.690	0.140	5.670
SW	0.0	0.050	0.550	1.200	0.550	1.610	1.800	0.510	0.0	6.270
WSW	0.0	0.0	0.410	0.460	0.780	1.430	1.010	0.090	0.0	4.180
W	0.0	0.0	0.280	0.690	0.600	1.890	0.830	0.090	0.0	4.380
WNW	0.0	0.050	0.230	0.550	0.870	2.030	0.740	0.370	0.050	4.890
NW	0.0	0.050	0.230	0.410	1.060	2.260	1.380	1.100	0.050	6.540
NNW	0.0	0.0	0.280	0.180	0.410	1.240	2.160	0.920	0.090	5.280
TOTALS	0.0	0.300	4.510	10.390	11.810	31.050	28.870	11.360	1.710	100.000

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TABLE 9 (CONTINUED)

STABILITY CLASS E										
WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STABILITY CLASS F										
WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED										
SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 9 (CONTINUED)

STABILITY CLASS G

WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED

SECTOR	0.13	0.45	1.10	1.99	2.80	4.45	6.91	9.59	13.00	TOTALS
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	0.0	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	0.0	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
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
TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

GROUND-LEVEL RELEASES = 0.0 PERCENT

ELEVATED RELEASES = 100.0 PERCENT

TABLE 10

GASEOUS EFFLUENT DOSES - INDIVIDUALS - FIRST QUARTER 1979External Exposure

<u>Pathway</u>	<u>Guideline</u> [*]	<u>Point</u>	<u>Doses (mrem)</u>
γ air dose	30	Max. Exp. ¹	1.44E+00
β air dose	60	Max. Exp. ¹	5.01E+00
Total Body	15	Residence ²	8.87E-01
Skin	45	Residence ²	2.24E+00

Internal Exposure (thyroid-maximum exposed organ)

Radionuclides and Particulates	45	Real Pathway ^{3,4}	1.01E-01
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Breakdown of Internal Exposures (mrem)

	<u>Infant</u>	<u>Child</u>	<u>Adult</u>
Milk Ingestion ³	1.24E-04	7.27E-05	4.08E-05
Meat Ingestion ⁴	0	1.14E-04	1.78E-04
Veg. Ingestion ³	0	2.23E-04	1.56E-04
Inhalation ³	8.50E-05	1.50E-04	1.52E-04
External ³	<u>.00E-01</u>	<u>1.00E-01</u>	<u>1.00E-01</u>
Total	1.00E-01	1.01E-01	1.01E-01

* Guidelines as defined by Appendix I to 10CFR50.

1. Maximum exposure point is 1,620 meters in the NNW sector.
2. Residence is at 1,860 meters in the NNW sector.
3. Doses calculated at the residence on the farm which has the limiting milk cow, 5,940 meters, N sector.
4. Doses calculated at the site boundary, at 1,620 meters in the NNW sector.

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TABLE 11

GASEOUS EFFLUENT DOSES - INDIVIDUALS - SECOND QUARTER 1979External Exposure

<u>Pathway</u>	<u>Guideline</u> *	<u>Point</u>	<u>Doses (mrem)</u>
γ air dose	30	Max. Exp. ¹	7.88E-01
β air dose	60	Max. Exp. ²	7.00E+00
Total Body	15	Residence ³	5.14E-01
Skin	45	Residence ³	2.49E+00

Internal Exposure (thyroid-maximum exposed organ)

Radioiodines and particulates	45	Real Pathway	9.21E-02
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Breakdown of Internal Exposures (mrem)

	<u>Infant</u>	<u>Child</u>	<u>Adult</u>
Milk Ingestion ⁴	2.01E-02	8.33E-03	2.82E-03
Meat Ingestion ⁵	0.0	1.66E-03	1.65E-03
Veg. Ingestion ⁴	0.0	7.12E-03	4.84E-03
Inhalation ⁴	9.25E-04	1.51E-03	8.86E-04
External ⁴	7.11E-02	7.11E-02	7.11E-02
Total	9.21E-02	8.97E-02	8.13E-02

* Guidelines as defined by Appendix I to 10CFR50.

1. Maximum exposure point is at 1,550 meters in the N sector.
2. Maximum exposure point is at 1,620 meters in the NNW sector.
3. Residence is at 1,740 meters in the N sector.
4. Doses calculated at the residence on the farm which has the limiting milk cow, 4,880 meters, S sector.
5. Doses calculated at the site boundary, 1,550 meters in the N sector.

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TABLE 12

GASEOUS EFFLUENT DOSES - POPULATION

First Quarter, 1979

	THYROID					TOTAL BODY				
	INFANT	CHILD	TEEN	ADULT	TOTALS	INFANT	CHILD	TEEN	ADULT	TOTALS
SUBMERSION	1.47E-02	9.17E-02	5.84E-02	2.70E-01	4.35E-01	1.47E-02	9.17E-02	5.84E-02	2.70E-01	4.35E-01
GROUND	1.34E-03	8.36E-03	5.32E-03	2.46E-02	3.97E-02	1.34E-03	8.36E-03	5.32E-03	2.46E-02	3.97E-02
INHALATION	9.11E-05	9.84E-04	3.58E-04	2.29E-03	3.72E-03	1.18E-05	1.92E-04	9.36E-05	7.12E-03	7.42E-03
COW MILK	6.75E-04	1.83E-03	4.93E-04	2.09E-03	5.08E-03	6.91E-05	3.14E-04	1.32E-04	7.95E-04	1.31E-03
BEEF INGESTION	0.0	8.80E-05	4.32E-05	3.65E-04	4.97E-04	0.0	6.99E-05	3.88E-05	3.66E-04	4.74E-04
VEG INGESTION	0.0	1.30E-04	5.98E-05	4.20E-04	6.09E-04	0.0	5.48E-05	3.40E-05	2.96E-04	3.84E-04
TOTAL MAN-REM	1.68E-02	1.03E-01	6.47E-02	3.00E-01	4.85E-01	1.61E-02	1.01E-01	6.40E-02	3.04E-01	4.84E-01

Second Quarter, 1979

	THYROID					TOTAL BODY				
	INFANT	CHILD	TEEN	ADULT	TOTALS	INFANT	CHILD	TEEN	ADULT	TOTALS
SUBMERSION	1.45E-02	9.03E-02	5.75E-02	2.66E-01	4.29E-01	1.45E-02	9.03E-02	5.75E-02	2.66E-01	4.29E-01
GROUND	1.16E-03	7.23E-03	4.60E-03	2.13E-02	3.43E-02	1.16E-03	7.23E-03	4.60E-03	2.13E-02	3.43E-02
INHALATION	9.42E-04	9.57E-03	3.67E-03	1.59E-02	3.01E-02	1.58E-05	2.54E-04	1.27E-04	5.38E-03	5.78E-03
COW MILK	3.33E-02	8.63E-02	2.29E-02	9.15E-02	2.34E-01	2.15E-04	9.95E-04	4.64E-04	2.61E-03	4.28E-03
BEEF INGESTION	0.0	1.77E-03	7.59E-04	4.96E-03	7.50E-03	0.0	1.30E-04	7.91E-05	7.31E-04	9.40E-04
VEG INGESTION	0.0	4.89E-03	2.10E-03	1.28E-02	1.98E-02	0.0	3.29E-04	2.11E-04	1.37E-03	1.91E-03
TOTAL MAN-REM	4.99E-02	2.00E-01	9.15E-02	4.13E-01	7.54E-01	1.59E-02	9.92E-02	6.30E-02	2.98E-01	4.76E-01

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LIQUID EFFLUENT DOSES - FIRST QUARTER 1979

	<u>Bone</u>	<u>G.I. Tract</u>	<u>Thyroid</u>	<u>Total Body</u>	<u>Skin</u>	
	I. Water Ingestion					
A. Maximum Individual Dose Champion Paper Company	< 2.2E-4	< 3.9E-4	< 2.3E-4	< 1.2E-4	< 1.2E-4 mrem	
B. Total Population Dose Tennessee River	< 5.7E-3	< 9.0E-3	< 4.5E-3	< 3.2E-3	< 3.2E-3 man-rem	
II. Fish Consumption						
A. Maximum Individual Dose Wheeler Lake Below Browns Ferry	< 1.1E-2	< 1.3E-1	< 1.5E-2	< 1.4E-2	< 1.4E-2 mrem	
B. Total Population Dose Tennessee River	< 5.0E-1	< 6.0E-0	< 6.9E-1	< 6.7E-1	< 6.7E-1 man-rem	
	<u>In-Water</u>		<u>Above-Water</u>		<u>Shoreline</u>	
	<u>Total Body</u>	<u>Skin</u>	<u>Total Body</u>	<u>Skin</u>	<u>Total Body</u>	
III. Recreation						
A. Maximum Individual Dose Wheeler Lake Below Browns Ferry	< 4.8E-5	< 1.0E-4	< 4.7E-5	< 1.0E-4	< 4.9E-3	< 5.7E-3 mrem
B. Total Population Dose Tennessee River	< 7.0E-5	< 1.5E-4	< 1.8E-4	< 3.8E-4	< 3.0E-2	< 3.5E-2 man-rem
	<u>Bone</u>	<u>G.I. Tract</u>	<u>Thyroid</u>	<u>Total Body</u>	<u>Skin</u>	
IV. Total Tennessee River Population Dose	< 5.3E-1	< 6.0E-0	< 7.2E-1	< 7.1E-1	< 7.1E-1 man-rem	

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TABLE 14

LIQUID EFFLUENT DOSES - SECOND QUARTER 1979

	<u>Bone</u>	<u>G.I. Tract</u>	<u>Thyroid</u>	<u>Total Body</u>	<u>Skin</u>	
I. Water Ingestion						
A. Maximum Individual Dose Champion Paper Company	< 8.7E-5	< 2.2E-4	< 1.8E-4	< 5.9E-5	< 5.9E-5 mrem	
B. Total Population Dose Tennessee River	< 2.1E-3	< 4.7E-3	< 2.4E-3	< 1.4E-3	< 1.4E-3 man-rem	
II. Fish Consumption						
A. Maximum Individual Dose Wheeler Lake Below Browns Ferry	< 5.1E-3	< 5.7E-2	< 7.2E-3	< 6.7E-3	< 6.7E-3 mrem	
B. Total Population Dose Tennessee River	< 2.4E-1	< 2.6E+0	< 3.2E-1	< 3.1E-1	< 3.1E-1 man-rem	
	<u>In-Water</u>		<u>Above-Water</u>		<u>Shoreline</u>	
	<u>Total Body</u>	<u>Skin</u>	<u>Total Body</u>	<u>Skin</u>	<u>Total Body</u>	<u>Skin</u>
III. Recreation						
A. Maximum Individual Dose Wheeler Lake Below Browns Ferry	< 5.9E-5	< 1.3E-4	< 5.8E-5	< 1.2E-4	< 1.1E-2	< 1.2E-2 mrem
B. Total Population Dose Tennessee River	< 1.1E-4	< 2.2E-4	< 2.7E-4	< 5.7E-4	< 6.2E-2	< 7.3E-2 man-rem
	<u>Bone</u>	<u>G.I. Tract</u>	<u>Thyroid</u>	<u>Total Body</u>	<u>Skin</u>	
IV. Total Tennessee River Population Dose	< 3.0E-1	< 2.7E+0	< 3.9E-1	< 3.7E-1	< 3.8E-1 man-rem	

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