

TABLE 1A - REG GUIDE 1.21
CALVERT CLIFFS NUCLEAR POWER PLANT
EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT
SECOND HALF - 1984

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

		Units	3rd Quarter	4th Quarter	Est. Total Error, %
A. Fission and activation gases					
1.	Total Release	Ci	5.96E+02	8.22E+02	2.15E+01
2.	Average release rate for period	uCi/sec	7.58E+01	1.05E+02	
3.	Percent of tech. spec. limit (1)	%	4.35E-01	6.40E-01	
4.	Percent of tech. spec. limit (2)	%	1.86E+00	1.46E+00	
B. Iodines					
1.	Total iodine - 131	Ci	1.45E-02	7.63E-03	1.84E+01
2.	Average release rate for period	uCi/sec	1.84E-03	9.71E-04	
3.	Percent of tech. spec. limit (3)	%	2.30E+00	1.21E+00	
4.	Percent of tech. spec. limit (4)	%	8.50E+00	4.73E+00	
C. Particulates					
1.	Particulates with half lives greater than 8 days	Ci	3.42E-04	1.24E-05	1.84E+01
2.	Average release rate for period	uCi/sec	4.35E-05	1.58E-06	
3.	Percent of tech. spec. limit (3)	%	5.44E-02	1.98E-03	
4.	Percent of tech. spec. limit (4)	%	4.20E-02	3.23E-02	
5.	Gross alpha radioactivity	Ci	< 8.98E-06	< 1.25E-04	
D. Tritium					
1.	Total Release	Ci	1.04E+00	5.83E-01	2.18E+01
2.	Average release rate for period	uCi/sec	1.33E-01	7.42E-02	
3.	Percent of tech. spec. limit (1)	%	1.07E-03	6.02E-04	

- (1) Percent of I.A.2 for each quarter
(2) Percent of I.A.3 for previous 12 months
(3) Percent of I.B.2 for each quarter
(4) Percent of I.B.4 for previous 12 months

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PDR ADCK 05000317
R PDR

TABLE 1C REG GUIDE 1.21 (CONT'D)
CALVERT CLIFFS NUCLEAR POWER PLANT
SECOND HALF - 1984

GASEOUS EFFLUENTS - GROUND LEVEL RELEASES

3. Particulates		Units	Continuous Mode		Batch Mode	
			3rd Quarter	4th Quarter	3rd Quarter	4th Quarter
strontium	- 89	Ci	< 1.19E-04	< 8.57E-06		
strontium	- 90	Ci	2.31E-06	< 4.87E-07		
rubidium	- 88*	Ci			1.71E-02	4.39E-03
cobalt	- 58	Ci	2.58E-06		1.40E-06	3.39E-07
cesium	- 138*	Ci			1.06E-04	1.21E-04
cesium	- 134	Ci			2.02E-06	4.54E-08
cesium	- 137	Ci	5.40E-06	2.05E-06	1.80E-05	7.51E-07
lanthanum	140*	Ci	3.77E-04		3.92E-10	
molybdenum	99*	Ci			1.09E-09	
tellurium	132	Ci			9.41E-08	1.82E-07
cobalt	57	Ci			1.09E-07	
barium	140	Ci	1.91E-04			
Total For Period		Ci	6.97E-04	1.11E-05	1.72E-02	4.51E-03

* Particulates with half lives less than eight days.

TABLE 2B REG GUIDE 1.21

CALVERT CLIFFS NUCLEAR POWER PLANT

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT

SECOND HALF - 1984

LIQUID EFFLUENTS

Nuclides Released		Units	Continuous Mode (1)		Batch Mode	
			3rd Quarter	4th Quarter	3rd Quarter	4th Quarter
strontium	- 89	Ci			< 1.63E-03	4.44E-04
strontium	- 90	Ci			4.78E-04	1.31E-04
cesium	- 134	Ci			1.69E-03	5.91E-03
cesium	- 137	Ci			1.01E-02	1.92E-02
iodine	- 131	Ci			1.53E-02	1.25E-02
cobalt	- 58	Ci			5.78E-02	2.32E-01
cobalt	- 60	Ci			2.36E-02	1.62E-02
manganese	- 54	Ci			2.51E-03	1.74E-03
chromium	- 51	Ci			1.82E-02	1.86E-02
zirconium	- 95	Ci			7.38E-03	9.76E-04
niobium	- 95	Ci			1.44E-02	3.31E-03
molybdenum	- 99	Ci			1.09E-04	4.48E-05
barium	- 140	Ci			7.22E-04	
iodine	- 133	Ci			2.46E-03	9.13E-03
antimony	- 125	Ci			3.68E-02	7.73E-04
cobalt	- 57	Ci			1.43E-05	
silver	- 110m	Ci			3.16E-02	2.07E-02
cerium	- 141	Ci			2.16E-03	
tin	- 113	Ci			2.31E-03	4.32E-04
sodium	- 24	Ci			8.62E-06	1.56E-03
ruthenium	- 103	Ci			1.05E-03	

TABLE 2B REG GUIDE 1.21 (CONT'D)

CALVERT CLIFFS NUCLEAR POWER PLANT

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT

SECOND HALF - 1984

LIQUID EFFLUENTS

Nuclides Released		Units	Continuous Mode (1)		Batch Mode	
			3rd Quarter	4th Quarter	3rd Quarter	4th Quarter
antimony	- 122	Ci				7.89E-05
cerium	- 144	Ci			4.47E-02	2.79E-03
unidentified		Ci			< 5.15E-03	< 5.70E-03
Total For Period		Ci			2.80E-01	3.52E-01

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS G (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	.220- 500	.510- 750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.06	2.50
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.06	.00	.11	.00	.00	.00	.00	.00	.00	.17	2.40
SW	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.11	3.45
WSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

TOTAL .00 .00 .00 .06 .00 .17 .11 .00 .00 .00 .00 .00 .00 .34

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS G (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	0	0	1	0	0	0	0	0	0	1	2.50
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	1	0	2	0	0	0	0	0	0	3	2.40
SW	0	0	0	0	0	0	2	0	0	0	0	0	2	3.45
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
W	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNW	0	0	C	0	0	0	0	0	0	0	0	0	0	.00

TOTAL

6

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS F (60-10 METER)
 WINDS AT 10 METER LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- 500	510- 750	760- 1	110- 1.50	160- 2	210- 3	310- 5	510- 7	710- 10	101- 13	131- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.22	.11	.00	.00	.00	.00	.00	.34	3.03
NNE	.00	.00	.00	.00	.06	.00	.17	.00	.00	.00	.00	.00	.22	3.42
NE	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.30
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.00	.11	2.55
S	.00	.00	.00	.06	.11	.06	.00	.00	.00	.00	.00	.00	.22	1.87
SSW	.00	.00	.00	.00	.00	.11	.22	.00	.00	.00	.00	.00	.34	3.27
SW	.00	.00	.00	.00	.00	.06	.22	.00	.00	.00	.00	.00	.28	3.28
WSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	.00	.00	.00	.11	.17	.56	.73	.00	.00	.00	.00	.00	1.57	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS E (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- 500	5:0- 750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.17	.39	.00	.00	.00	.00	.00	.00	.56	2.42
NNE	.00	.00	.00	.00	.11	.00	.17	.00	.00	.00	.00	.00	.28	3.16
NE	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.50
ENE	.00	.00	.00	.00	.06	.06	.00	.00	.00	.00	.00	.00	.11	2.25
E	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.20
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.06	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.17	1.23
SSW	.06	.00	.00	.11	.00	.22	.11	.06	.00	.00	.00	.00	.56	2.66
SW	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.11	4.30
WSW	.00	.00	.06	.00	.00	.00	.06	.00	.00	.00	.00	.00	.11	2.40
W	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.06	2.50
WNW	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.30
NW	.00	.00	.00	.06	.00	.17	.00	.00	.00	.00	.00	.00	.22	2.22
NNW	.00	.00	.06	.00	.00	.00	.06	.00	.00	.00	.00	.00	.11	2.15

TOTAL .06 .06 .11 .45 .34 .90 .51 .06 .00 .00 .00 .00 .00 2.47

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS E (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- 500	510- 750	760- 1	110- 150	160- 2	210- 3	310- 5	510- 7	710- 10	101- 13	131- 18	18.0 >	ROW TOTAL	MEAN SPEED
N	0	0	0	0	3	7	0	0	0	0	0	0	10	2.42
NNE	0	0	0	0	2	0	3	0	0	0	0	0	5	3.16
NE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.50
ENE	0	0	0	0	1	1	0	0	0	0	0	0	2	2.25
E	0	0	0	1	0	0	0	0	0	0	0	0	1	1.20
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	1	0	2	0	0	0	0	0	0	0	0	3	1.23
SSW	1	0	0	2	0	4	2	1	0	0	0	0	10	2.66
SW	0	0	0	0	0	0	2	0	0	0	0	0	2	4.30
WSW	0	0	1	0	0	0	1	0	0	0	0	0	2	2.40
W	0	0	0	0	0	1	0	0	0	0	0	0	1	2.50
WNW	0	0	0	1	0	0	0	0	0	0	0	0	1	1.30
NW	0	0	0	1	0	3	0	0	0	0	0	0	4	2.22
NNW	0	0	1	0	0	0	1	0	0	0	0	0	2	2.15

TOTAL 1 1 2 8 6 16 9 1 0 0 0 0 0 44

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS D (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- 500	510- 750	760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.06	.11	.00	.06	.22	.34	.00	.00	.00	.00	.00	.79	2.75
NNE	.00	.00	.11	.11	.11	.06	.45	.00	.00	.00	.00	.00	.84	2.85
NE	.00	.00	.11	.11	.22	.00	.17	.00	.00	.00	.00	.00	.62	2.20
ENE	.00	.00	.00	.17	.11	.11	.00	.00	.00	.00	.00	.00	.39	1.94
E	.00	.00	.00	.11	.06	.00	.00	.00	.00	.00	.00	.00	.17	1.57
ESE	.00	.00	.00	.11	.06	.00	.00	.00	.00	.00	.00	.00	.17	1.50
SE	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.06	2.70
SSE	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.06	2.20
S	.00	.00	.00	.06	.06	.06	.06	.00	.00	.00	.00	.00	.22	2.35
SSW	.06	.00	.00	.11	.00	.17	.51	.17	.00	.00	.00	.00	1.01	3.73
SW	.00	.00	.00	.06	.00	.11	.28	.00	.00	.00	.00	.00	.45	3.30
WSW	.00	.00	.00	.00	.00	.06	.06	.00	.00	.00	.00	.00	.11	3.05
W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WNW	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.06	1.80
NW	.00	.11	.00	.00	.00	.11	.06	.00	.00	.00	.00	.00	.28	1.88
NNW	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.06	3.80

TOTAL .06 .17 .34 .84 .73 1.01 1.97 .17 .00 .00 .00 .00 .00 5.28

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS D (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION
 FREQUENCY IN NUMBER OF OCCURRENCES
 10/01/84 TO 12/31/84
 WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	1	2	0	1	4	6	0	0	0	0	0	14	2.75
NNE	0	0	2	2	2	1	8	0	0	0	0	0	15	2.85
NE	0	0	2	2	4	0	3	0	0	0	0	0	11	2.20
ENE	0	0	0	3	2	2	0	0	0	0	0	0	7	1.94
E	0	0	0	2	1	0	0	0	0	0	0	0	3	1.57
ESE	0	0	0	2	1	0	0	0	0	0	0	0	3	1.50
SE	0	0	0	0	0	1	0	0	0	0	0	0	1	2.70
SSE	0	0	0	0	0	1	0	0	0	0	0	0	1	2.20
S	0	0	0	1	1	1	1	0	0	0	0	0	4	2.35
SSW	1	0	0	2	0	3	9	3	0	0	0	0	18	3.73
SW	0	0	0	1	0	2	5	0	0	0	0	0	8	3.30
WSW	0	0	0	0	0	1	1	0	0	0	0	0	2	3.05
W	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WNW	0	0	0	0	1	0	0	0	0	0	0	0	1	1.80
NW	0	2	0	0	0	2	1	0	0	0	0	0	5	1.88
NNW	0	0	0	0	0	0	1	0	0	0	0	0	1	3.80
TOTAL	1	3	6	15	13	18	35	3	0	0	0	0	94	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS C (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- 500	510- 750	760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.20
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	.06	.00	.00	.06	.00	.00	.00	.00	.00	.00	.11	2.00
ENE	.00	.00	.00	.00	.11	.06	.00	.00	.00	.00	.00	.00	.17	2.23
E	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.30
ESE	.00	.00	.06	.06	.00	.00	.00	.00	.00	.00	.00	.00	.11	1.35
SE	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.06	2.00
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.06	1.80
SSW	.00	.00	.00	.00	.00	.00	.06	.06	.00	.00	.00	.00	.11	4.90
SW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WNW	.00	.00	.00	.00	.06	.00	.06	.00	.00	.00	.00	.00	.11	3.35
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.00	.11	2.80
TOTAL	.00	.00	.11	.17	.28	.22	.11	.06	.00	.00	.00	.00	.96	

0

NUMBER OF CALMS

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BAVIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS C (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	1	0	0	0	0	0	0	0	0	1	1.20
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	0	1	0	0	1	0	0	0	0	0	0	2	2.00
ENE	0	0	0	0	2	1	0	0	0	0	0	0	3	2.23
E	0	0	0	1	0	0	0	0	0	0	0	0	1	1.30
ESE	0	0	1	1	0	0	0	0	0	0	0	0	2	1.35
SE	0	0	0	0	1	0	0	0	0	0	0	0	1	2.00
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	1	0	0	0	0	0	0	0	1	1.80
SSW	0	0	0	0	0	0	1	1	0	0	0	0	2	4.90
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
W	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WNW	0	0	0	0	1	0	1	0	0	0	0	0	2	3.35
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNW	0	0	0	0	0	2	0	0	0	0	0	0	2	2.80

TOTAL

17

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS B (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNE	.00	.00	.06	.00	.00	.06	.00	.00	.00	.00	.00	.00	.11	1.80
NE	.00	.00	.06	.06	.00	.06	.00	.00	.00	.00	.00	.00	.17	1.43
ENE	.00	.00	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.11	1.50
E	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.10
ESE	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.06	1.80
SE	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.40
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.06	5.90
SW	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.11	4.10
WSW	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.11	3.60
W	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.40
WNW	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.11	4.95
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

TOTAL .06 .00 .17 .22 .06 .11 .34 .06 .00 .00 .00 .00 .00 1.01

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS B (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- .500	510- .750	760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNE	0	0	1	0	0	1	0	0	0	0	0	0	2	1.80
NE	0	0	1	1	0	1	0	0	0	0	0	0	3	1.43
ENE	0	0	0	2	0	0	0	0	0	0	0	0	2	1.50
E	0	0	1	0	0	0	0	0	0	0	0	0	1	1.10
ESE	0	0	0	0	1	0	0	0	0	0	0	0	1	1.80
SE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.40
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	0	0	0	0	1	0	0	0	0	1	5.90
SW	0	0	0	0	0	0	2	0	0	0	0	0	2	4.10
WSW	0	0	0	0	0	0	2	0	0	0	0	0	2	3.60
W	1	0	0	0	0	0	0	0	0	0	0	0	1	.40
WNW	0	0	0	0	0	0	2	0	0	0	0	0	2	4.95
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00

TOTAL 1 0 3 4 1 2 6 1 0 0 0 0 0 18

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS A (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- 500	510- 750	760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.06	2.90
NNE	.00	.00	.00	.00	.06	.00	.06	.00	.00	.00	.00	.00	.11	3.00
NE	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.11	3.75
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.50
SE	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.10
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.06	.00	.00	.00	.00	.06	.00	.00	.00	.00	.11	3.60
SW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WSW	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.11	4.15
W	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.00	.11	2.80
WNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

TOTAL .00 .00 .11 .06 .06 .17 .28 .06 .00 .00 .00 .00 .00 .73

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 STABILITY CLASS A (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- 500	510- 750	760- 1	110- 150	160- 2	210- 3	310- 5	510- 7	710- 10	101- 13	151- 18	181- 20	ROW TOTAL	MEAN SPEED
N	0	0	0	0	0	1	0	0	0	0	0	0	1	2.90
NNE	0	0	0	0	1	0	1	0	0	0	0	0	2	3.00
NE	0	0	0	0	0	0	2	0	0	0	0	0	2	3.75
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.50
SE	0	0	1	0	0	0	0	0	0	0	0	0	1	1.10
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	1	0	0	0	0	1	0	0	0	0	2	3.60
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WSW	0	0	0	0	0	0	2	0	0	0	0	0	2	4.15
W	0	0	0	0	0	2	0	0	0	0	0	0	2	2.80
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
TOTAL	0	0	2	1	1	3	5	1	0	0	0	0	13	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 STABILITY CLASS 6 (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- 500	510- 750	760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.06	.00	.17	.17	.00	.00	.00	.00	.00	.00	.39	2.01
NNE	.00	.00	.06	.11	.06	.06	.00	.00	.00	.00	.00	.00	.28	1.56
NE	.06	.00	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.17	.97
ENE	.00	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.90
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.60
SE	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.06	2.10
SSE	.06	.00	.06	.22	.00	.06	.00	.00	.00	.00	.00	.00	.39	1.46
S	.00	.06	.06	.34	.34	.34	.11	.00	.00	.00	.00	.00	1.29	2.06
SSW	.00	.06	.11	.67	.11	.34	.06	.00	.00	.00	.00	.00	1.35	1.85
SW	.11	.06	.06	.11	.00	.28	.11	.00	.00	.00	.00	.00	.73	1.92
WSW	.06	.00	.00	.17	.00	.06	.00	.00	.00	.00	.00	.00	.28	1.50
W	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.50
WNW	.00	.00	.06	.06	.00	.11	.00	.00	.00	.00	.00	.00	.22	1.80
NW	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.80
NNW	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.90

TOTAL .28 .17 .67 1.91 .73 1.41 .34 .00 .00 .00 .00 .00 .00 5.51

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 STABILITY CLASS 6 (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- 500	510- 750	760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	1	0	3	3	0	0	0	0	0	0	7	2.01
NNE	0	0	1	2	1	1	0	0	0	0	0	0	5	1.56
NE	1	0	0	2	0	0	0	0	0	0	0	0	3	.97
ENE	0	0	2	0	0	0	0	0	0	0	0	0	2	.90
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.60
SE	0	0	0	0	1	0	0	0	0	0	0	0	1	2.10
SSE	1	0	1	4	0	1	0	0	0	0	0	0	7	1.46
S	0	1	1	6	6	6	3	0	0	0	0	0	23	2.06
SSW	0	1	2	12	2	6	1	0	0	0	0	0	24	1.85
SW	2	1	1	2	0	5	2	0	0	0	0	0	13	1.92
WSW	1	0	0	3	0	1	0	0	0	0	0	0	5	1.50
W	0	0	0	1	0	0	0	0	0	0	0	0	1	1.50
WNW	0	0	1	1	0	2	0	0	0	0	0	0	4	1.80
NW	0	0	1	0	0	0	0	0	0	0	0	0	1	.80
NNW	0	0	1	0	0	0	0	0	0	0	0	0	1	.90

TOTAL 5 3 12 34 13 25 6 0 0 0 0 0 0 98

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
STABILITY CLASS F (60-10 METER)
WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- 500	510- 750	760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.06	.06	.45	.11	.00	.00	.00	.00	.00	.67	2.72
NNE	.00	.00	.11	.06	.17	.00	.28	.00	.00	.00	.00	.00	.62	2.66
NE	.06	.00	.06	.11	.06	.00	.06	.00	.00	.00	.00	.00	.34	1.87
ENE	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	1.20
E	.06	.06	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.17	.83
ESE	.06	.06	.11	.11	.00	.00	.00	.00	.00	.00	.00	.00	.34	.93
SE	.00	.00	.11	.06	.06	.22	.00	.00	.00	.00	.00	.00	.45	1.82
SSE	.00	.00	.17	.17	.11	.17	.11	.00	.00	.00	.00	.00	.73	1.88
S	.06	.00	.17	.11	.45	.51	.11	.00	.00	.00	.00	.00	1.41	2.01
SSW	.00	.00	.06	.22	.28	.45	.34	.00	.00	.00	.00	.00	1.35	2.54
SW	.00	.06	.00	.00	.00	.34	.28	.00	.00	.00	.00	.00	.67	2.87
WSW	.06	.00	.17	.11	.17	.17	.00	.00	.00	.00	.00	.00	.67	1.56
W	.06	.11	.06	.28	.06	.00	.00	.00	.00	.00	.00	.00	.56	1.19
WNW	.00	.00	.11	.06	.06	.00	.00	.00	.00	.00	.00	.00	.22	1.32
NW	.00	.00	.06	.17	.06	.00	.06	.00	.00	.00	.00	.00	.34	1.97
NNW	.00	.00	.11	.11	.06	.00	.00	.00	.00	.00	.00	.00	.28	1.36

TOTAL .34 .28 1.29 1.74 1.57 2.30 1.35 .00 .00 .00 .00 .00 .00 8.88

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 STABILITY CLASS F (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	-220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	1	1	8	2	0	0	0	0	0	12	2.72
NNE	0	0	2	1	3	0	5	0	0	0	0	0	11	2.66
NE	1	0	1	2	1	0	1	0	0	0	0	0	6	1.87
ENE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.20
E	1	1	0	1	0	0	0	0	0	0	0	0	3	.83
ESE	1	1	2	2	0	0	0	0	0	0	0	0	6	.93
SE	0	0	2	1	1	4	0	0	0	0	0	0	8	1.82
SSE	0	0	3	3	2	3	2	0	0	0	0	0	13	1.88
S	1	0	3	2	8	9	2	0	0	0	0	0	25	2.01
SSW	0	0	1	4	5	8	6	0	0	0	0	0	24	2.54
SW	0	1	0	0	0	6	5	0	0	0	0	0	12	2.87
WSW	1	0	3	2	3	3	0	0	0	0	0	0	12	1.56
W	1	2	1	5	1	0	0	0	0	0	0	0	10	1.19
WNW	0	0	2	1	1	0	0	0	0	0	0	0	4	1.32
NW	0	0	1	3	1	0	1	0	0	0	0	0	6	1.97
NNW	0	0	2	2	1	0	0	0	0	0	0	0	5	1.36
TOTAL	6	5	23	31	28	41	24	0	0	0	0	0	158	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
STABILITY CLASS E (60-10 METER)
WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- 500	510- 750	760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.06	.17	.17	.51	.62	.34	.17	.00	.00	.00	.00	2.02	2.72
NNE	.00	.00	.17	.11	.28	.28	.51	.00	.00	.00	.00	.00	1.35	2.57
NE	.00	.00	.06	.06	.11	.17	.00	.00	.00	.00	.00	.00	.39	1.93
ENE	.00	.00	.06	.28	.22	.17	.00	.00	.00	.00	.00	.00	.73	1.75
E	.00	.06	.06	.51	.06	.11	.00	.00	.00	.00	.00	.00	.79	1.51
ESE	.00	.00	.00	.34	.39	.34	.00	.00	.00	.00	.00	.00	1.07	1.93
SE	.00	.00	.17	.11	.17	.51	.06	.00	.00	.00	.00	.00	1.01	2.07
SSE	.00	.00	.22	.22	.06	.34	.06	.00	.00	.00	.00	.00	.90	1.99
S	.00	.11	.11	.22	.34	.56	1.12	.00	.06	.00	.00	.00	2.53	3.03
SSW	.06	.06	.06	.45	.28	.90	1.29	.39	.00	.00	.00	.00	3.49	3.26
SW	.00	.00	.17	.06	.06	.11	.90	.67	.00	.00	.00	.00	1.97	4.31
WSW	.00	.00	.22	.11	.11	.06	.17	.00	.00	.00	.00	.00	.67	2.02
W	.00	.11	.06	.00	.17	.34	.00	.00	.00	.00	.00	.00	.67	1.90
WNW	.00	.06	.06	.28	.34	.34	.06	.00	.00	.00	.00	.00	1.12	2.01
NW	.06	.00	.11	.17	.11	.39	.17	.00	.00	.00	.00	.00	1.01	2.19
NNW	.11	.00	.17	.17	.51	.62	.67	.00	.00	.00	.00	.00	2.25	2.60

TOTAL

21.98

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
STABILITY CLASS E (60-10 METER)
WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	1	3	3	9	11	6	3	0	0	0	0	36	2.72
NNE	0	0	3	2	5	5	9	0	6	0	0	0	24	2.57
NE	0	0	1	1	2	3	0	0	0	0	0	0	7	1.93
ENE	0	0	1	5	4	3	0	0	0	0	0	0	13	1.75
E	0	1	1	9	1	2	0	0	0	0	0	0	14	1.51
ESE	0	0	0	6	7	6	0	0	0	0	0	0	19	1.93
SE	0	0	3		3	9	1	0	0	0	0	0	18	2.07
SSE	0	0	4		1	6	1	0	0	0	0	0	16	1.99
S	0	2	2	4	6	10	20	0	1	0	0	0	45	3.03
SSW	1	1	1	8	5	16	23	7	0	0	0	0	62	3.26
SW	0	0	3	1	1	2	16	12	0	0	0	0	35	4.31
WSW	0	0	4	2	2	1	3	0	0	0	0	0	12	2.02
W	0	2	1	0	3	6	0	0	0	0	0	0	12	1.90
WNW	0	1	1	5	6	6	1	0	0	0	0	0	20	2.01
NW	1	0	2	3	2	7	3	0	0	0	0	0	18	2.19
NNW	2	0	3	3	9	11	12	0	0	0	0	0	40	2.60
TOTAL	4	8	33	58	66	104	95	22	1	0	0	0	391	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 STABILITY CLASS D (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.11	.11	.06	.45	2.24	2.42	.28	.06	.00	.00	.00	4.72	3.40
NNE	.00	.00	.17	.11	.34	.51	.96	.00	.00	.00	.00	.00	2.08	2.94
NE	.00	.00	.11	.11	.39	.06	.17	.00	.00	.00	.00	.00	.84	2.19
ENE	.00	.00	.06	.22	.28	.79	.17	.00	.00	.00	.00	.00	1.52	2.31
E	.00	.00	.06	.34	.39	.17	.00	.00	.00	.00	.00	.00	.96	1.77
ESE	.00	.00	.00	.22	.28	.34	.06	.00	.00	.00	.00	.00	.90	2.18
SE	.00	.00	.00	.06	.22	1.12	.34	.00	.00	.00	.00	.00	1.74	2.71
SSE	.00	.00	.06	.17	.28	.56	.62	.00	.00	.00	.00	.00	1.69	2.80
S	.00	.00	.06	.22	.22	.73	.90	.17	.00	.00	.00	.00	2.30	3.27
SSW	.06	.11	.00	.22	.11	.39	1.57	1.12	.00	.00	.00	.00	3.60	4.14
SW	.00	.00	.17	.34	.06	.34	1.35	.73	.00	.00	.00	.00	2.98	3.79
WSW	.00	.06	.11	.06	.00	.22	.39	.17	.00	.00	.00	.00	1.01	3.33
W	.00	.00	.00	.06	.00	.22	.34	.11	.00	.00	.00	.00	.73	3.57
WNW	.00	.00	.06	.11	.17	.17	1.01	.17	.00	.00	.00	.00	1.69	3.78
NW	.06	.11	.06	.11	.28	.51	1.35	.06	.00	.00	.00	.00	2.53	3.20
NNW	.00	.00	.00	.00	.34	.84	.96	1.29	.11	.00	.00	.00	3.54	4.36
TOTAL	.11	.39	1.01	2.42	3.82	8.21	12.59	4.10	.17	.00	.00	.00	32.83	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	2	2	1	8	22	43	5	1	0	0	0	84	3.40
NNE	0	0	3	2	6	9	17	0	0	0	0	0	37	2.94
NE	0	0	2	2	7	1	3	0	0	0	0	0	15	2.19
ENE	0	0	1	4	5	14	3	0	0	0	0	0	27	2.31
E	0	0	1	6	7	3	0	0	0	0	0	0	17	1.77
ESE	0	0	0	4	5	6	1	0	0	0	0	0	16	2.18
SE	0	0	0	1	4	20	6	0	0	0	0	0	31	2.71
SSE	0	0	1	3	5	10	11	0	0	0	0	0	30	2.80
S	0	0	1	4	4	13	16	3	0	0	0	0	41	3.27
SSW	1	2	0	4	2	7	28	20	0	0	0	0	64	4.14
SW	0	0	3	6	1	6	24	13	0	0	0	0	53	3.79
WSW	0	1	2	1	0	4	7	3	0	0	0	0	18	3.33
W	0	0	0	1	0	4	6	2	0	0	0	0	13	3.57
WNW	0	0	1	2	3	3	18	3	0	0	0	0	30	3.78
NW	1	2	1	2	5	9	24	1	0	0	0	0	45	3.20
NNW	0	0	0	0	6	15	17	23	2	0	0	0	63	4.36
TOTAL	2	7	18	43	68	146	224	73	3	0	0	0	584	

0

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
STABILITY CLASS C (60-10 METER)
WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	220- 500	510- 750	760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.06	.17	.11	.62	.67	.17	.00	.00	.00	.00	1.80	3.26
NNE	.00	.00	.00	.00	.06	.28	.67	.34	.00	.00	.00	.00	1.35	4.35
NE	.00	.00	.11	.00	.00	.11	.17	.00	.00	.00	.00	.00	.39	2.54
ENE	.00	.00	.00	.06	.11	.17	.00	.00	.00	.00	.00	.00	.34	2.20
E	.00	.00	.00	.11	.00	.06	.00	.00	.00	.00	.00	.00	.17	1.70
ESE	.00	.00	.11	.06	.06	.17	.00	.00	.00	.00	.00	.00	.39	1.77
SE	.00	.00	.00	.00	.11	.11	.06	.00	.00	.00	.00	.00	.28	2.36
SSE	.00	.00	.00	.00	.06	.17	.22	.00	.00	.00	.00	.00	.45	3.54
S	.00	.00	.00	.00	.06	.17	.06	.06	.00	.00	.00	.00	.34	3.60
SSW	.00	.00	.00	.06	.06	.22	.73	.45	.06	.00	.00	.00	1.57	4.53
SW	.00	.00	.00	.00	.06	.06	.11	.06	.00	.00	.00	.00	.28	3.70
WSW	.00	.00	.00	.00	.00	.11	.17	.00	.00	.00	.00	.00	.28	3.64
W	.00	.00	.00	.00	.06	.00	.17	.06	.00	.00	.00	.00	.28	3.94
WNW	.00	.00	.06	.00	.17	.17	.51	.17	.00	.00	.00	.00	1.07	3.83
NW	.00	.00	.00	.00	.17	.28	.51	.00	.00	.00	.00	.00	.96	3.20
NNW	.00	.00	.00	.06	.11	.34	1.12	.39	.06	.00	.00	.00	2.08	4.05
TOTAL	.00	.00	.34	.51	1.18	3.04	5.17	1.69	.11	.00	.00	.00	12.03	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 STABILITY CLASS C (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION
 FREQUENCY IN NUMBER OF OCCURRENCES
 10/01/84 TO 12/31/84
 WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	1	3	2	11	12	3	0	0	0	0	32	3.26
NNE	0	0	0	0	1	5	12	6	0	0	0	0	24	4.35
NE	0	0	2	0	0	2	3	0	0	0	0	0	7	2.54
ENE	0	0	0	1	2	3	0	0	0	0	0	0	6	2.20
E	0	0	0	2	0	1	0	0	0	0	0	0	3	1.70
ESE	0	0	2	1	1	3	0	0	0	0	0	0	7	1.77
SE	0	0	0	0	2	2	1	0	0	0	0	0	5	2.36
SSE	0	0	0	0	1	3	4	0	0	0	0	0	8	3.54
S	0	0	0	0	1	3	1	1	0	0	0	0	6	3.60
SSW	0	0	0	1	1	4	13	8	1	0	0	0	28	4.53
SW	0	0	0	0	1	1	2	1	0	0	0	0	5	3.70
WSW	0	0	0	0	0	2	3	0	0	0	0	0	5	3.64
W	0	0	0	0	1	0	3	1	0	0	0	0	5	3.94
WNW	0	0	1	0	3	3	9	3	0	0	0	0	19	3.83
NW	0	0	0	0	3	5	9	0	0	0	0	0	17	3.20
NNW	0	0	0	1	2	6	20	7	1	0	0	0	37	4.05
TOTAL	0	0	6	9	21	54	92	30	2	0	0	0	214	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 STABILITY CLASS B (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.11	.06	.39	.22	.00	.00	.00	.00	.79	4.19
NNE	.00	.00	.06	.00	.00	.06	.22	.11	.00	.00	.00	.00	.45	3.74
NE	.00	.00	.06	.06	.00	.06	.00	.00	.00	.00	.00	.00	.17	1.43
ENE	.00	.00	.00	.11	.06	.00	.00	.00	.00	.00	.00	.00	.17	1.57
E	.00	.00	.06	.06	.17	.00	.00	.00	.00	.00	.00	.00	.28	1.60
ESE	.00	.00	.00	.00	.17	.17	.00	.00	.00	.00	.00	.00	.34	2.17
SE	.00	.00	.00	.06	.00	.11	.00	.00	.00	.00	.00	.00	.17	1.97
SSE	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.06	2.20
S	.00	.00	.06	.06	.00	.00	.00	.00	.00	.00	.00	.00	.11	1.30
SSW	.00	.00	.00	.00	.00	.11	.28	.22	.00	.00	.00	.00	.62	4.50
SW	.00	.00	.00	.11	.06	.06	.22	.06	.00	.00	.00	.00	.51	3.41
WSW	.00	.00	.06	.00	.00	.06	.22	.00	.00	.00	.00	.00	.34	3.10
W	.06	.00	.00	.00	.00	.00	.62	.06	.00	.00	.00	.00	.73	4.32
WNW	.00	.00	.00	.00	.00	.00	.73	.17	.00	.00	.00	.00	.90	4.76
NW	.00	.00	.00	.00	.00	.00	.45	.06	.00	.00	.00	.00	.51	4.37
NNW	.00	.00	.00	.00	.00	.00	.34	.06	.00	.00	.00	.00	.39	4.51

TOTAL .06 .00 .28 .45 .56 .73 3.49 .96 .00 .00 .00 .00 6.52

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 STABILITY CLASS B (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION
 FREQUENCY IN NUMBER OF OCCURRENCES
 10/01/84 TO 12/31/84
 WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	0	2	1	7	4	0	0	0	0	14	4.19
NNE	0	0	1	0	0	1	4	2	0	0	0	0	8	3.74
NE	0	0	1	1	0	1	0	0	0	0	0	0	3	1.43
ENE	0	0	0	2	1	0	0	0	0	0	0	0	3	1.57
E	0	0	1	1	3	0	0	0	0	0	0	0	5	1.60
ESE	0	0	0	0	3	3	0	0	0	0	0	0	6	2.17
SE	0	0	0	1	0	2	0	0	0	0	0	0	3	1.97
SSE	0	0	0	0	0	1	0	0	0	0	0	0	1	2.20
S	0	0	1	1	0	0	0	0	0	0	0	0	2	1.30
SSW	0	0	0	0	0	2	5	4	0	0	0	0	11	4.50
SW	0	0	0	2	1	1	4	1	0	0	0	0	9	3.41
WSW	0	0	1	0	0	1	4	0	0	0	0	0	6	3.10
W	1	0	0	0	0	0	11	1	0	0	0	0	13	4.32
WNW	0	0	0	0	0	0	13	3	0	0	0	0	16	4.76
NW	0	0	0	0	0	0	8	1	0	0	0	0	9	4.37
NNW	0	0	0	0	0	0	6	1	0	0	0	0	7	4.51

TOTAL 1 0 5 8 10 13 62 17 0 0 0 0 0 116

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
STABILITY CLASS A (60-10 METER)
WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/84 TO 12/31/84

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.06	.22	.79	.45	.00	.00	.00	.00	1.52	4.34
NNE	.00	.00	.00	.00	.06	.06	.67	.28	.17	.00	.00	.00	1.24	5.05
NE	.00	.00	.00	.00	.06	.11	.22	.06	.00	.00	.00	.00	.45	3.50
ENE	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.00	.11	2.90
E	.00	.00	.00	.00	.06	.06	.00	.00	.00	.00	.00	.00	.11	2.55
ESE	.00	.00	.06	.06	.06	.11	.00	.00	.00	.00	.00	.00	.28	1.98
SE	.00	.00	.06	.00	.00	.28	.00	.00	.00	.00	.00	.00	.34	2.35
SSE	.00	.00	.00	.00	.11	.06	.06	.00	.00	.00	.00	.00	.22	2.55
S	.00	.06	.00	.00	.06	.22	.06	.06	.00	.00	.00	.00	.45	2.62
SSW	.00	.00	.06	.06	.06	.17	.11	.39	.06	.00	.00	.00	.90	4.57
SW	.00	.00	.00	.00	.00	.11	.06	.00	.00	.00	.00	.00	.17	3.20
WSW	.00	.00	.00	.00	.06	.06	.34	.11	.00	.00	.00	.00	.56	3.88
W	.00	.00	.00	.00	.06	.11	1.01	.06	.00	.00	.00	.00	1.24	3.81
WNW	.00	.00	.00	.00	.00	.34	1.52	.67	.00	.00	.00	.00	2.53	4.42
NW	.00	.00	.00	.00	.00	.17	.90	.06	.00	.00	.00	.00	1.12	3.85
NNW	.00	.00	.00	.00	.00	.00	.96	.06	.00	.00	.00	.00	1.01	4.46

TOTAL .00 .06 .17 .11 .62 2.19 6.69 2.19 .22 .00 .00 .00 .00 12.25

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 STABILITY CLASS A (60-10 METER)
 WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION
 FREQUENCY IN NUMBER OF OCCURRENCES
 10/01/84 TO 12/31/84
 WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	0	1	4	14	8	0	0	0	0	27	4.34
NNE	0	0	0	0	1	1	12	5	3	0	0	0	22	5.05
NE	0	0	0	0	1	2	4	1	0	0	0	0	8	3.50
ENE	0	0	0	0	0	2	0	0	0	0	0	0	2	2.90
E	0	0	0	0	1	1	0	0	0	0	0	0	2	2.55
ESE	0	0	1	1	1	2	0	0	0	0	0	0	5	1.98
SE	0	0	1	0	0	5	0	0	0	0	0	0	6	2.35
SSE	0	0	0	0	2	1	1	0	0	0	0	0	4	2.55
S	0	1	0	0	1	4	1	1	0	0	0	0	8	2.62
SSW	0	0	1	1	1	3	2	7	1	0	0	0	16	4.57
SW	0	0	0	0	0	2	1	0	0	0	0	0	3	3.20
WSW	0	0	0	0	1	1	6	2	0	0	0	0	10	3.88
W	0	0	0	0	1	2	18	1	0	0	0	0	22	3.81
WNW	0	0	0	0	0	6	27	12	0	0	0	0	45	4.42
NW	0	0	0	0	0	3	16	1	0	0	0	0	20	3.85
NNW	0	0	0	0	0	0	17	1	0	0	0	0	18	4.46
TOTAL	0	1	3	2	11	39	119	39	4	0	0	0	218	
NUMBER OF CALMS	0													

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION
FREQUENCY IN PERCENT OF TOTAL
10/01/84 TO 12/31/84
WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.17	.39	.45	1.46	3.37	4.72	1.29	.06	.00	.00	.00	11.92	3.35
NNE	.00	.00	.56	.39	.96	1.24	3.32	.73	.17	.00	.00	.00	7.36	3.46
NE	.11	.00	.39	.45	.62	.51	.62	.06	.00	.00	.00	.00	2.75	2.26
ENE	.00	.00	.22	.73	.67	1.24	.17	.00	.00	.00	.00	.00	3.04	2.07
E	.06	.11	.17	1.07	.67	.39	.00	.00	.00	.00	.00	.00	2.47	1.64
ESE	.06	.06	.28	.84	.96	1.12	.06	.00	.00	.00	.00	.00	3.37	1.90
SE	.00	.00	.34	.28	.62	2.36	.45	.00	.00	.00	.00	.00	4.05	2.36
SSE	.06	.00	.51	.79	.62	1.41	1.07	.00	.00	.00	.00	.00	4.44	2.42
S	.06	.22	.45	.96	1.46	2.53	2.42	.28	.06	.00	.00	.00	8.43	2.75
SSW	.11	.22	.28	1.69	.90	2.59	4.38	2.59	.11	.00	.00	.00	12.87	3.59
SW	.11	.11	.39	.62	.22	1.29	3.04	1.52	.00	.00	.00	.00	7.31	3.61
WSW	.11	.06	.56	.45	.34	.73	1.29	.28	.00	.00	.00	.00	3.82	2.74
W	.11	.22	.11	.39	.34	.67	2.14	.28	.00	.00	.00	.00	4.27	3.19
WNW	.00	.06	.34	.51	.73	1.12	3.82	1.18	.00	.00	.00	.00	7.76	3.72
NW	.11	.11	.28	.45	.62	1.35	3.43	.17	.00	.00	.00	.00	6.52	3.16
NNW	.11	.00	.34	.34	1.01	1.80	4.05	1.80	.17	.00	.00	.00	9.61	3.79

TOTAL 1.01 1.35 5.62 10.40 12.20 23.72 34.96 10.17 .56 .00 .00 .00 100.00

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WINDS AT 10 METER LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION
FREQUENCY IN NUMBER OF OCCURRENCES
10/01/84 TO 12/31/84
WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	3	7	8	26	60	84	23	1	0	0	0	212	3.35
NNE	0	0	10	7	17	22	59	13	3	0	0	0	131	3.46
NE	2	0	7	8	11	9	11	1	0	0	0	0	49	2.26
ENE	0	0	4	13	12	22	3	0	0	0	0	0	54	2.07
E	1	2	3	19	12	7	0	0	0	0	0	0	44	1.64
ESE	1	1	5	15	17	20	1	0	0	0	0	0	60	1.90
SE	0	0	6	5	11	42	8	0	0	0	0	0	72	2.36
SSE	1	0	9	14	11	25	19	0	0	0	0	0	79	2.42
S	1	4	8	17	26	45	43	5	1	0	0	0	150	2.75
SSW	2	4	5	30	16	46	78	46	2	0	0	0	229	3.59
SW	2	2	7	11	4	23	54	27	0	0	0	0	130	3.61
WSW	2	1	10	8	6	13	23	5	0	0	0	0	68	2.74
W	2	4	2	7	6	12	38	5	0	0	0	0	76	3.19
WNW	0	1	6	9	13	20	68	21	0	0	0	0	138	3.72
NW	2	2	5	8	11	24	61	3	0	0	0	0	116	3.16
NNW	2	0	6	6	18	32	72	32	3	0	0	0	171	3.79

TOTAL 18 24 100 185 217 422 622 181 10 0 0 0 0 1779

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 429 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1779 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)