

CALVERT CLIFFS NUCLEAR POWER PLANT
METEOROLOGICAL DATA
July 1, 1982 to September 30, 1982

WIND FREQUENCY DISTRIBUTION
ALL STABILITY CLASSES

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS ALL (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

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	2	0	2	4	8	50	55	30	2	0	0	0	153	3.68
NNE	0	0	1	4	7	46	34	6	1	0	0	0	99	3.18
NE	0	0	1	4	12	23	14	0	1	0	0	0	55	2.66
ENE	0	1	6	20	16	40	12	3	0	0	0	0	98	2.27
E	0	0	1	14	13	50	21	5	0	0	0	0	104	2.68
ESE	0	0	6	9	23	52	31	0	0	0	0	0	121	2.56
SE	0	1	2	15	30	37	21	0	0	0	0	0	166	2.37
SSE	0	2	6	15	16	46	6	0	0	0	0	0	91	2.12
S	0	1	4	11	34	100	28	1	0	1	0	0	186	2.55
SSW	1	5	20	32	70	157	79	2	0	0	0	0	366	2.44
SW	0	2	8	35	41	59	17	0	0	0	0	0	162	2.13
WSW	1	0	9	10	23	30	10	0	0	0	0	0	83	2.11
W	0	0	8	11	17	15	5	0	0	0	0	0	56	1.92
WNW	0	0	5	8	12	31	19	1	0	0	0	0	76	2.54
NW	0	1	2	10	10	34	53	15	0	0	0	0	125	3.26
NNW	0	1	3	7	14	67	97	26	1	0	0	0	216	3.49
TOTAL	4	14	84	209	346	903	502	89	5	1	0	0	2157	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS ALL (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.1- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.09	.00	.09	.19	.37	2.32	2.55	1.39	.09	.00	.00	.00	7.09	3.68
NNE	.00	.00	.05	.19	.32	2.13	1.58	.28	.05	.00	.00	.00	4.59	3.18
NE	.00	.00	.05	.19	.56	1.07	.65	.00	.05	.00	.00	.00	2.55	2.66
ENE	.00	.05	.28	.93	.74	1.85	.56	.14	.00	.00	.00	.00	4.54	2.27
E	.00	.00	.05	.65	.60	2.32	.97	.23	.00	.00	.00	.00	4.82	2.68
ESE	.00	.00	.28	.42	1.07	2.41	1.44	.00	.00	.00	.00	.00	5.61	2.56
SE	.00	.05	.09	.70	1.39	4.50	.97	.00	.00	.00	.00	.00	7.70	2.37
SSE	.00	.09	.28	.70	.74	2.13	.28	.00	.00	.00	.00	.00	4.22	2.12
S	.00	.05	.19	.51	1.58	4.91	1.30	.05	.00	.05	.00	.00	8.62	2.55
SSW	.05	.23	.93	1.48	3.25	7.28	3.66	.09	.00	.00	.00	.00	16.97	2.44
SW	.00	.09	.37	1.62	1.90	2.74	.79	.00	.00	.00	.00	.00	7.51	2.13
WSW	.05	.00	.42	.46	1.07	1.39	.46	.00	.00	.00	.00	.00	3.85	2.11
W	.00	.00	.37	.51	.79	.70	.23	.00	.00	.00	.00	.00	2.60	1.92
WNW	.00	.00	.23	.37	.56	1.44	.88	.05	.00	.00	.00	.00	3.52	2.54
NW	.00	.05	.09	.46	.46	1.58	2.46	.70	.00	.00	.00	.00	5.80	3.26
NNW	.00	.05	.14	.32	.65	3.11	4.50	1.21	.05	.00	.00	.00	10.01	3.49
TOTAL	.19	.65	3.89	9.69	16.04	41.86	23.27	4.13	.23	.05	.00	.00	100.00	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OPERATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

WIND FREQUENCY DISTRIBUTION
BY STABILITY CLASS

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS A (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

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	35	30	7	0	0	0	0	74	3.46
NNE	0	0	0	1	3	15	11	0	1	0	0	0	31	3.00
NE	0	0	0	1	4	18	3	0	0	0	0	0	26	2.53
ENE	0	0	0	2	6	13	7	3	0	0	0	0	31	2.84
E	0	0	0	1	3	25	10	4	0	0	0	0	43	3.11
ESE	0	0	0	0	3	21	17	0	0	0	0	0	41	3.00
SE	0	0	0	0	1	5	8	0	0	0	0	0	14	3.25
SSE	0	0	0	0	1	3	2	0	0	0	0	0	6	2.98
S	0	0	0	0	1	4	6	0	0	0	0	0	11	3.56
SSW	0	0	0	0	4	34	40	0	0	0	0	0	78	3.22
SW	0	0	0	5	3	26	11	0	0	0	0	0	45	2.75
WSW	0	0	0	2	2	10	5	0	0	0	0	0	19	2.64
W	0	0	0	0	2	6	3	0	0	0	0	0	11	2.81
WNW	0	0	0	0	0	4	9	1	0	0	0	0	14	3.65
NW	0	0	0	1	2	5	27	10	0	0	0	0	45	3.93
NNW	0	0	0	0	1	46	55	14	1	0	0	0	117	3.62
TOTAL	0	0	0	13	38	270	244	39	2	0	0	0	606	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS A (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

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	POW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.09	1.62	1.39	.32	.00	.00	.00	.00	3.43	3.46
NNE	.00	.00	.00	.05	.14	.70	.51	.00	.05	.00	.00	.00	1.44	3.00
NE	.00	.00	.00	.05	.19	.83	.14	.00	.00	.00	.00	.00	1.21	2.53
ENE	.00	.00	.00	.09	.28	.60	.32	.14	.00	.00	.00	.00	1.44	2.84
E	.00	.00	.00	.05	.14	1.16	.46	.19	.00	.00	.00	.00	1.99	3.11
ESE	.00	.00	.00	.00	.14	.97	.79	.00	.00	.00	.00	.00	1.90	3.00
SE	.00	.00	.00	.00	.05	.23	.37	.00	.00	.00	.00	.00	.65	3.25
SSE	.00	.00	.00	.00	.05	.14	.09	.00	.00	.00	.00	.00	.28	2.98
S	.00	.00	.00	.00	.05	.19	.28	.00	.00	.00	.00	.00	.51	3.56
SSW	.00	.00	.00	.00	.19	1.58	1.85	.00	.00	.00	.00	.00	3.62	3.22
SW	.00	.00	.00	.23	.14	1.21	.51	.00	.00	.00	.00	.00	2.09	2.75
WSW	.00	.00	.00	.09	.09	.46	.23	.00	.00	.00	.00	.00	.88	2.64
W	.00	.00	.00	.00	.09	.28	.14	.00	.00	.00	.00	.00	.51	2.81
WNW	.00	.00	.00	.00	.00	.19	.42	.05	.00	.00	.00	.00	.65	3.65
NW	.00	.00	.00	.05	.09	.23	1.25	.46	.00	.00	.00	.00	2.09	3.93
NNW	.00	.00	.00	.00	.05	2.13	2.55	.65	.05	.00	.00	.00	5.42	3.62
TOTAL	.00	.00	.00	.60	1.76	12.52	11.31	1.81	.09	.00	.00	.00	28.09	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS B (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

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	PM TOTAL	MEAN SPEED
N	0	0	0	0	1	6	12	15	0	0	0	0	34	4.48
NNE	0	0	0	1	0	8	10	6	0	0	0	0	25	3.90
NE	0	0	0	0	2	2	6	0	0	0	0	0	10	3.09
NNE	0	0	0	1	2	7	3	0	0	0	0	0	13	2.64
E	0	0	0	0	1	4	7	1	0	0	0	0	13	3.53
ESE	0	0	0	3	2	10	7	0	0	0	0	0	22	2.83
SE	0	0	0	0	2	20	4	0	0	0	0	0	26	2.71
SSE	0	0	0	0	1	7	0	0	0	0	0	0	8	2.46
S	0	0	0	1	0	2	5	1	0	0	0	0	9	3.76
SSW	0	0	0	0	2	23	13	1	0	0	0	0	39	3.09
SW	0	0	0	1	6	12	2	0	0	0	0	0	21	2.38
WSW	0	0	0	2	0	3	3	0	0	0	0	0	8	2.72
W	0	0	0	0	0	0	1	0	0	0	0	0	1	3.58
WNW	0	0	2	1	1	2	0	0	0	0	0	0	6	1.63
NW	0	0	0	1	0	3	8	4	0	0	0	0	16	3.97
NNW	0	0	0	0	2	1	14	5	0	0	0	0	22	4.31
TOTAL	0	0	2	11	22	110	95	33	0	0	0	0	273	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS B (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

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	REL TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.05	.28	.56	.70	.00	.00	.00	.00	1.58	4.48
NNE	.00	.00	.00	.05	.00	.37	.46	.28	.00	.00	.00	.00	1.16	3.90
NE	.00	.00	.00	.00	.09	.09	.28	.00	.00	.00	.00	.00	.46	3.09
ENE	.00	.00	.00	.05	.09	.32	.14	.00	.00	.00	.00	.00	.60	2.64
E	.00	.00	.00	.00	.05	.19	.32	.05	.00	.00	.00	.00	.60	3.53
ESE	.00	.00	.00	.14	.09	.46	.32	.00	.00	.00	.00	.00	1.02	2.83
SE	.00	.00	.00	.00	.09	.93	.19	.00	.00	.00	.00	.00	1.21	2.71
SSE	.00	.00	.00	.00	.05	.32	.00	.00	.00	.00	.00	.00	.37	2.46
S	.00	.00	.00	.05	.00	.09	.23	.05	.00	.00	.00	.00	.42	3.76
SSW	.00	.00	.00	.00	.09	1.07	.60	.05	.00	.00	.00	.00	1.81	3.09
SW	.00	.00	.00	.05	.28	.56	.09	.00	.00	.00	.00	.00	.97	2.38
WSW	.00	.00	.00	.09	.00	.14	.14	.00	.00	.00	.00	.00	.37	2.72
W	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.05	3.58
WNW	.00	.00	.09	.05	.05	.09	.00	.00	.00	.00	.00	.00	.28	1.63
NW	.00	.00	.00	.05	.00	.14	.37	.19	.00	.00	.00	.00	.74	3.97
NNW	.00	.00	.00	.00	.09	.05	.65	.23	.00	.00	.00	.00	1.02	4.31
TOTAL	.00	.00	.09	.51	1.02	5.10	4.40	1.53	.00	.00	.00	.00	12.66	

0

NUMBER OF CALTS

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS C (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

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	2	0	4	10	8	2	0	0	0	26	4.44
NNE	0	0	0	0	1	19	12	0	0	0	0	0	32	3.13
NE	0	0	0	1	3	1	3	0	1	0	0	0	9	3.25
ENE	0	0	0	2	1	8	0	0	0	0	0	0	11	2.31
E	0	0	0	0	4	6	1	0	0	0	0	0	11	2.45
ESE	0	0	0	1	4	4	4	0	0	0	0	0	13	2.59
SE	0	0	0	1	2	17	2	0	0	0	0	0	22	2.52
SSE	0	0	0	0	0	3	0	0	0	0	0	0	3	2.74
S	0	0	0	0	0	2	6	0	0	0	0	0	8	3.72
SSW	0	0	1	0	2	8	12	1	0	0	0	0	24	3.11
SW	0	0	0	0	2	5	3	0	0	0	0	0	10	2.74
WSW	0	0	0	0	2	0	2	0	0	0	0	0	4	2.53
W	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WNW	0	0	0	2	0	3	1	0	0	0	0	0	6	2.42
NW	0	0	0	1	0	2	2	0	0	0	0	0	5	3.08
NNW	0	0	0	0	1	0	8	2	0	0	0	0	11	4.35
TOTAL	0	0	1	10	22	82	66	11	3	0	0	0	195	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS C (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

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	REL TOTAL	MEAN SPEED
N	.00	.00	.00	.09	.00	.19	.46	.37	.09	.00	.00	.00	1.21	4.44
NNE	.00	.00	.00	.00	.05	.88	.56	.00	.00	.00	.00	.00	1.48	3.13
NE	.00	.00	.00	.05	.14	.05	.14	.00	.05	.00	.00	.00	.42	3.25
ENE	.00	.00	.00	.09	.05	.37	.00	.00	.00	.00	.00	.00	.51	2.31
E	.00	.00	.00	.00	.19	.28	.05	.00	.00	.00	.00	.00	.51	2.45
ESE	.00	.00	.00	.05	.19	.19	.19	.00	.00	.00	.00	.00	.60	2.59
SE	.00	.00	.00	.05	.09	.79	.09	.00	.00	.00	.00	.00	1.02	2.52
SSE	.00	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00	.14	2.74
S	.00	.00	.00	.00	.00	.09	.28	.00	.00	.00	.00	.00	.37	3.72
SSW	.00	.00	.05	.00	.09	.37	.56	.05	.00	.00	.00	.00	1.11	3.11
SW	.00	.00	.00	.00	.09	.23	.14	.00	.00	.00	.00	.00	.46	2.74
WSW	.00	.00	.00	.00	.09	.00	.09	.00	.00	.00	.00	.00	.19	2.53
W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WNW	.00	.00	.00	.09	.00	.14	.05	.00	.00	.00	.00	.00	.28	2.42
NW	.00	.00	.00	.05	.00	.09	.05	.00	.00	.00	.00	.00	.23	3.08
NNW	.00	.00	.00	.00	.05	.00	.37	.09	.00	.00	.00	.00	.51	4.35
TOTAL	.00	.00	.05	.46	1.02	3.80	3.06	.51	.14	.00	.00	.00	9.04	

0

NUMBER OF CALMS

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS D (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

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	2	2	5	3	0	0	0	0	0	12	2.54
NNF	0	0	0	2	2	4	1	0	0	0	0	0	9	2.29
NE	0	0	1	1	3	2	2	0	0	0	0	0	9	2.12
ENE	0	0	3	7	6	11	2	0	0	0	0	0	29	1.96
E	0	0	0	6	5	12	3	0	0	0	0	0	26	2.11
ESE	0	0	0	1	4	13	2	0	0	0	0	0	20	2.40
SE	0	1	1	8	10	21	0	0	0	0	0	0	41	1.98
SSE	0	0	1	6	5	6	1	0	0	0	0	0	19	1.85
S	0	0	2	1	11	26	11	0	0	0	0	0	51	2.46
SSW	0	1	5	12	29	46	13	0	0	0	0	0	106	2.16
SW	0	0	2	10	14	7	1	0	0	0	0	0	34	1.80
WSW	0	0	4	1	2	7	0	0	0	0	0	0	14	1.90
W	0	0	3	6	1	2	0	0	0	0	0	0	12	1.36
WNW	0	0	2	1	1	8	8	0	0	0	0	0	20	2.76
NW	0	0	0	2	1	15	16	1	0	0	0	0	35	3.07
NNW	0	0	1	3	6	12	20	5	0	0	0	0	47	3.26
TOTAL	0	2	25	69	102	197	83	6	0	0	0	0	484	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS D (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

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	.09	.09	.23	.14	.00	.00	.00	.00	.00	.56	2.54
NNE	.00	.00	.00	.09	.09	.19	.05	.00	.00	.00	.00	.00	.42	2.29
NE	.00	.00	.05	.05	.14	.09	.09	.00	.00	.00	.00	.00	.42	2.12
ENE	.00	.00	.14	.32	.28	.51	.09	.00	.00	.00	.00	.00	1.34	1.96
E	.00	.00	.00	.28	.23	.56	.14	.00	.00	.00	.00	.00	1.21	2.11
ESE	.00	.00	.00	.05	.19	.60	.09	.00	.00	.00	.00	.00	.93	2.40
SE	.00	.05	.05	.37	.46	.97	.00	.00	.00	.00	.00	.00	1.90	1.96
SSE	.00	.00	.05	.28	.23	.28	.05	.00	.00	.00	.00	.00	.88	1.85
S	.00	.00	.09	.05	.51	1.21	.51	.00	.00	.00	.00	.00	2.36	2.46
SSW	.00	.05	.23	.56	1.34	2.13	.60	.00	.00	.00	.00	.00	4.91	2.16
SW	.00	.00	.09	.46	.65	.32	.05	.00	.00	.00	.00	.00	1.58	1.80
WSW	.00	.00	.19	.05	.09	.32	.00	.00	.00	.00	.00	.00	.65	1.90
W	.00	.00	.14	.28	.05	.09	.00	.00	.00	.00	.00	.00	.56	1.36
WNW	.00	.00	.09	.05	.05	.37	.37	.00	.00	.00	.00	.00	.93	2.76
NW	.00	.00	.00	.09	.05	.70	.74	.05	.00	.00	.00	.00	1.62	3.07
NNW	.00	.00	.05	.14	.28	.56	.93	.23	.00	.00	.00	.00	2.18	3.26
TOTAL	.00	.09	1.16	3.20	4.73	9.13	3.85	.28	.00	.00	.00	.00	22.44	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF INVALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 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	1	0	0	0	3	0	0	0	0	0	0	0	4	1.44
NNE	0	0	0	0	1	0	0	0	0	0	0	0	1	1.92
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	2	2	1	0	0	0	0	0	0	0	5	1.25
E	0	0	1	2	0	3	0	0	0	0	0	0	6	1.66
ESE	0	0	0	1	5	4	0	0	0	0	0	0	10	2.03
SE	0	0	1	2	10	29	0	0	0	0	0	0	42	2.16
SSE	0	1	3	2	7	14	1	0	0	0	0	0	28	2.04
S	0	0	1	3	12	39	0	0	0	1	0	0	56	2.36
SSW	0	2	5	11	21	30	1	0	0	0	0	0	70	1.94
SW	0	0	5	12	8	5	0	0	0	0	0	0	30	1.59
WSW	1	0	3	1	5	7	0	0	0	0	0	0	17	1.84
W	0	0	3	1	7	6	1	0	0	0	0	0	18	1.88
WNW	0	0	1	3	6	11	1	0	0	0	0	0	22	2.14
NW	0	1	1	5	6	7	0	0	0	0	0	0	20	1.86
NNW	0	0	0	3	3	7	0	0	0	0	0	0	13	2.11
TOTAL	2	4	26	48	95	162	4	0	0	1	0	0	342	
NUMBER OF CALMS	0													

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	PM4 TOTAL	MEAN SPEED
N	.05	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00	.19	1.44
NNE	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	1.92
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.09	.09	.05	.00	.00	.00	.00	.00	.00	.00	.23	1.25
E	.00	.00	.05	.09	.00	.14	.00	.00	.00	.00	.00	.00	.28	1.66
ESE	.00	.00	.00	.05	.23	.19	.00	.00	.00	.00	.00	.00	.46	2.03
SE	.00	.00	.05	.09	.46	1.34	.00	.00	.00	.00	.00	.00	1.95	2.16
SSE	.00	.05	.14	.09	.32	.65	.05	.00	.00	.00	.00	.00	1.30	2.04
S	.00	.00	.05	.14	.56	1.81	.00	.00	.00	.05	.00	.00	2.50	2.36
SSW	.00	.09	.23	.51	.97	1.39	.05	.00	.00	.00	.00	.00	3.25	1.94
SW	.00	.00	.23	.56	.37	.23	.00	.00	.00	.00	.00	.00	1.39	1.59
WSW	.05	.00	.14	.05	.23	.32	.00	.00	.00	.00	.00	.00	.79	1.84
W	.00	.00	.14	.05	.32	.28	.05	.00	.00	.00	.00	.00	.83	1.88
WNW	.00	.00	.05	.14	.28	.51	.05	.00	.00	.00	.00	.00	1.02	2.14
NW	.00	.05	.05	.23	.28	.32	.00	.00	.00	.00	.00	.00	.93	1.86
NNW	.00	.00	.00	.14	.14	.32	.00	.00	.00	.00	.00	.00	.60	2.11
TOTAL	.09	.19	1.21	2.23	4.40	7.51	.19	.00	.00	.05	.00	.00	15.86	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS F (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

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	1	0	1	0	0	0	0	0	0	0	0	0	2	.74
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.25
ENE	0	0	1	4	0	0	0	0	0	0	0	0	5	1.28
E	0	0	0	4	0	0	0	0	0	0	0	0	4	1.35
ESE	0	0	2	2	4	0	1	0	0	0	0	0	9	1.68
SE	0	0	0	3	3	4	7	0	0	0	0	0	17	2.55
SSE	0	1	1	3	2	9	1	0	0	0	0	0	17	2.02
S	0	1	0	0	5	28	0	0	0	0	0	0	34	2.45
SSW	0	1	3	7	9	15	0	0	0	0	0	0	35	1.87
SW	0	1	0	5	2	3	0	0	0	0	0	0	11	1.61
WSW	0	0	1	0	3	0	0	0	0	0	0	0	4	1.56
W	0	0	0	2	3	0	0	0	0	0	0	0	5	1.57
WNW	0	0	0	1	2	3	0	0	0	0	0	0	6	1.94
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNW	0	0	2	1	0	0	0	0	0	0	0	0	3	1.04
TOTAL	1	4	11	33	33	62	9	0	0	0	0	0	153	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS F (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

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	.05	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.74
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.25
ENE	.00	.00	.05	.19	.00	.00	.00	.00	.00	.00	.00	.00	.23	1.28
E	.00	.00	.00	.19	.00	.00	.00	.00	.00	.00	.00	.00	.19	1.35
ESE	.00	.00	.09	.09	.19	.00	.05	.00	.00	.00	.00	.00	.42	1.68
SE	.00	.00	.00	.14	.14	.19	.32	.00	.00	.00	.00	.00	.79	2.55
SSE	.00	.05	.05	.14	.09	.42	.05	.00	.00	.00	.00	.00	.79	2.02
S	.00	.05	.00	.00	.23	1.30	.00	.00	.00	.00	.00	.00	1.58	2.45
SSW	.00	.05	.14	.32	.42	.70	.00	.00	.00	.00	.00	.00	1.62	1.87
SW	.00	.05	.00	.23	.09	.14	.00	.00	.00	.00	.00	.00	.51	1.61
WSW	.00	.00	.05	.00	.14	.00	.00	.00	.00	.00	.00	.00	.19	1.56
W	.00	.00	.00	.09	.14	.00	.00	.00	.00	.00	.00	.00	.23	1.57
WNW	.00	.00	.00	.05	.09	.14	.00	.00	.00	.00	.00	.00	.28	1.94
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.09	.05	.00	.00	.00	.00	.00	.00	.00	.00	.14	1.04
TOTAL	.05	.19	.51	1.53	1.53	2.87	.42	.00	.00	.00	.00	.00	7.09	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS G (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

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	0	0	0	0	0	0	0	0	1	1.07
NNE	0	0	1	0	0	0	0	0	0	0	0	0	1	.94
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	1	0	2	0	1	0	0	0	0	0	0	4	1.44
E	0	0	0	1	0	0	0	0	0	0	0	0	1	1.52
ESE	0	0	4	1	1	0	0	0	0	0	0	0	6	1.16
SE	0	0	0	1	2	1	0	0	0	0	0	0	4	1.73
SSE	0	0	1	4	0	4	1	0	0	0	0	0	10	2.10
S	0	0	1	6	5	5	0	0	0	0	0	0	17	1.84
SSW	1	1	6	2	3	1	0	0	0	0	0	0	14	1.21
SW	0	1	1	2	6	1	0	0	0	0	0	0	11	1.61
WSW	0	0	1	4	9	3	0	0	0	0	0	0	17	1.69
W	0	0	2	2	4	1	0	0	0	0	0	0	9	1.63
WNW	0	0	0	0	2	0	0	0	0	0	0	0	2	1.77
NW	0	0	1	0	1	2	0	0	0	0	0	0	4	1.83
NNW	0	1	0	0	1	1	0	0	0	0	0	0	3	1.61
TOTAL	1	4	19	25	34	20	1	0	0	0	0	0	104	

NUMBER OF CALPS

0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS G (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

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	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.07
NNE	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.94
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.05	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.19	1.44
E	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.52
ESE	.00	.00	.19	.05	.05	.00	.00	.00	.00	.00	.00	.00	.28	1.16
SE	.00	.00	.00	.05	.00	.05	.00	.00	.00	.00	.00	.00	.19	1.78
SSE	.00	.00	.05	.19	.00	.19	.05	.00	.00	.00	.00	.00	.46	2.10
S	.00	.00	.05	.28	.23	.23	.00	.00	.00	.00	.00	.00	.79	1.84
SSW	.05	.05	.28	.09	.14	.05	.00	.00	.00	.00	.00	.00	.65	1.21
SW	.00	.05	.05	.09	.28	.05	.00	.00	.00	.00	.00	.00	.51	1.61
WSW	.00	.00	.05	.19	.42	.14	.00	.00	.00	.00	.00	.00	.79	1.69
W	.00	.00	.09	.09	.19	.05	.00	.00	.00	.00	.00	.00	.42	1.63
WNW	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.09	1.77
NW	.00	.00	.05	.00	.05	.09	.00	.00	.00	.00	.00	.00	.19	1.83
NNW	.00	.05	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.14	1.61
TOTAL	.05	.19	.88	1.16	1.58	.93	.05	.00	.00	.00	.00	.00	4.82	

NUMBER OF CALTS

0

NUMBER OF INVALID HOURS 51 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2157 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

WIND FREQUENCY DISTRIBUTION
BY STABILITY CLASS
PERIODS OF RELEASE ONLY

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS A (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

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	FCM TOTAL	MEAN SPEED
N	0	0	0	0	0	9	5	2	0	0	0	0	16	3.53
NNE	0	0	0	0	0	2	4	0	0	0	0	0	6	3.24
NE	0	0	0	0	0	3	2	0	0	0	0	0	5	3.04
ENE	0	0	0	0	0	1	1	2	0	0	0	0	4	4.12
E	0	0	0	0	1	1	1	1	0	0	0	0	4	3.64
ESE	0	0	0	0	2	2	0	0	0	0	0	0	4	2.20
SE	0	0	0	0	1	1	2	0	0	0	0	0	4	2.91
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	1	0	0	0	0	0	1	4.87
SSW	0	0	0	0	1	1	9	0	0	0	0	0	11	3.53
SW	0	0	0	1	0	4	6	0	0	0	0	0	11	3.26
WSW	0	0	0	1	0	2	2	0	0	0	0	0	5	2.72
W	0	0	0	0	0	1	2	0	0	0	0	0	3	3.74
WNW	0	0	0	0	0	0	3	1	0	0	0	0	4	4.54
NW	0	0	0	1	1	1	9	4	0	0	0	0	16	3.83
NNW	0	0	0	0	0	8	7	2	0	0	0	0	17	3.52

TOTAL	0	0	0	3	6	36	54	12	0	0	0	0	111	
NUMBER OF CALMS	0													
NUMBER OF INVALID HOURS	0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)													
NUMBER OF VALID HOURS	352 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)													

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS A (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

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	2.56	1.42	.57	.00	.00	.00	.00	4.55	3.53
NNE	.00	.00	.00	.00	.00	.57	1.14	.00	.00	.00	.00	.00	1.70	3.24
NE	.00	.00	.00	.00	.00	.85	.57	.00	.00	.00	.00	.00	1.42	3.04
ENE	.00	.00	.00	.00	.00	.28	.28	.57	.00	.00	.00	.00	1.14	4.12
E	.00	.00	.00	.00	.28	.28	.28	.28	.00	.00	.00	.00	1.14	3.54
ESE	.00	.00	.00	.00	.57	.57	.00	.00	.00	.00	.00	.00	1.14	2.20
SE	.00	.00	.00	.00	.28	.28	.57	.00	.00	.00	.00	.00	1.14	2.91
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.28	4.87
SSW	.00	.00	.00	.00	.28	.28	2.56	.00	.00	.00	.00	.00	3.12	3.53
SW	.00	.00	.00	.28	.00	1.14	1.70	.00	.00	.00	.00	.00	3.12	3.26
WSW	.00	.00	.00	.28	.00	.57	.57	.00	.00	.00	.00	.00	1.42	2.72
W	.00	.00	.00	.00	.00	.28	.57	.00	.00	.00	.00	.00	.85	3.74
WNW	.00	.00	.00	.00	.00	.00	.85	.28	.00	.00	.00	.00	1.14	4.54
NW	.00	.00	.00	.28	.28	.28	2.56	1.14	.00	.00	.00	.00	4.55	3.83
NNW	.00	.00	.00	.00	.00	2.27	1.99	.57	.00	.00	.00	.00	4.83	3.52
TOTAL	.00	.00	.00	.85	1.70	10.23	15.34	3.41	.00	.00	.00	.00	31.53	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0

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

NUMBER OF VALID HOURS

352

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

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS B (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

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	1	3	5	0	0	0	0	10	4.56
NNE	0	0	0	0	0	1	5	1	0	0	0	0	7	3.91
NE	0	0	0	0	0	0	1	0	0	0	0	0	1	3.62
ENE	0	0	0	0	1	2	2	0	0	0	0	0	5	2.89
E	0	0	0	0	0	1	1	0	0	0	0	0	2	3.98
ESE	0	0	0	0	0	2	2	0	0	0	0	0	4	3.25
SE	0	0	0	0	0	3	0	0	0	0	0	0	3	2.61
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	3	3	0	0	0	0	0	6	3.33
SW	0	0	0	1	0	3	0	0	0	0	0	0	4	2.07
WSW	0	0	0	0	0	1	1	0	0	0	0	0	2	3.35
W	0	0	0	0	0	0	1	0	0	0	0	0	1	3.58
WNW	0	0	0	1	0	1	0	0	0	0	0	0	2	1.83
NW	0	0	0	1	0	0	1	1	0	0	0	0	3	3.76
NNW	0	0	0	0	0	0	8	1	0	0	0	0	9	4.39
TOTAL	0	0	0	3	2	18	28	8	0	0	0	0	59	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 352 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS B (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

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	.23	.28	.85	1.42	.00	.00	.00	.00	2.84	4.56
NNE	.00	.00	.00	.00	.00	.28	1.42	.28	.00	.00	.00	.00	1.99	3.91
NE	.00	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.28	3.62
ENE	.00	.00	.00	.00	.28	.57	.57	.00	.00	.00	.00	.00	1.42	2.89
E	.00	.00	.00	.00	.00	.28	.28	.00	.00	.00	.00	.00	.57	3.98
ESE	.00	.00	.00	.00	.00	.57	.57	.00	.00	.00	.00	.00	1.14	3.25
SE	.00	.00	.00	.00	.00	.85	.00	.00	.00	.00	.00	.00	.85	2.61
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	.85	.85	.00	.00	.00	.00	.00	1.70	3.33
SW	.00	.00	.00	.28	.00	.85	.00	.00	.00	.00	.00	.00	1.14	2.07
WSW	.00	.00	.00	.00	.00	.28	.28	.00	.00	.00	.00	.00	.57	3.35
W	.00	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.28	3.58
WNW	.00	.00	.00	.28	.00	.28	.00	.00	.00	.00	.00	.00	.57	1.83
NW	.00	.00	.00	.28	.00	.00	.28	.28	.00	.00	.00	.00	.85	3.76
NNW	.00	.00	.00	.00	.00	.00	2.27	.28	.00	.00	.00	.00	2.56	4.39
TOTAL	.00	.00	.00	.85	.57	5.11	7.95	2.27	.00	.00	.00	.00	16.76	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

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

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS C (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	R04 TOTAL	MEAN SPEED
N	0	0	0	0	0	4	6	2	0	0	0	0	12	3.78
NNE	0	0	0	0	0	3	9	0	0	0	0	0	12	3.80
NE	0	0	0	0	0	0	1	0	0	0	0	0	1	3.62
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	2	1	0	0	0	0	0	0	3	1.92
ESE	0	0	0	0	3	0	0	0	0	0	0	0	3	1.91
SE	0	0	0	0	1	0	0	0	0	0	0	0	1	1.97
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	2	0	0	0	0	0	3	2.73
SW	0	0	0	0	0	0	2	0	0	0	0	0	2	3.53
WSW	0	0	0	0	1	0	1	0	0	0	0	0	2	2.46
W	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WNW	0	0	0	0	0	1	0	0	0	0	0	0	1	3.04
NW	0	0	0	0	0	1	0	0	0	0	0	0	1	3.04
NNW	0	0	0	0	0	0	2	1	0	0	0	0	3	5.04
TOTAL	0	0	1	0	7	10	23	3	0	0	0	0	44	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0

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

NUMBER OF VALID HOURS

352

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

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS C (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

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	1.14	1.70	.57	.00	.00	.00	.00	3.41	3.78
NNE	.00	.00	.00	.00	.00	.85	2.56	.00	.00	.00	.00	.00	3.41	3.80
NE	.00	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.28	3.62
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.57	.28	.00	.00	.00	.00	.00	.00	.85	1.92
ESE	.00	.00	.00	.00	.85	.00	.00	.00	.00	.00	.00	.00	.85	1.91
SE	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.28	1.97
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	.28	.00	.00	.00	.57	.00	.00	.00	.00	.00	.85	2.73
SW	.00	.00	.00	.00	.00	.00	.57	.00	.00	.00	.00	.00	.57	3.53
WSW	.00	.00	.00	.00	.28	.00	.28	.00	.00	.00	.00	.00	.57	2.46
W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WNW	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.28	3.04
NW	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.28	3.04
NNW	.00	.00	.00	.00	.00	.00	.57	.28	.00	.00	.00	.00	.85	5.04
TOTAL	.00	.00	.28	.00	1.99	2.84	6.53	.85	.00	.00	.00	.00	12.50	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 352 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS D (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

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	ROI TOTAL	MEAN SPEED
N	0	0	0	1	0	1	2	0	0	0	0	0	4	3.14
NNE	0	0	0	0	0	1	0	0	0	0	0	0	1	2.59
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	1	0	0	1	0	0	0	0	0	2	2.28
E	0	0	0	2	0	2	0	0	0	0	0	0	4	2.00
ESE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.56
SE	0	0	0	2	2	3	0	0	0	0	0	0	7	1.94
SSE	0	0	1	1	0	0	0	0	0	0	0	0	2	1.30
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	1	5	4	0	0	0	0	0	0	10	2.05
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WSW	0	0	0	0	0	3	0	0	0	0	0	0	3	2.31
W	0	0	0	1	0	0	0	0	0	0	0	0	1	1.25
WNW	0	0	0	0	0	0	1	0	0	0	0	0	1	3.62
NW	0	0	0	0	0	4	4	0	0	0	0	0	8	3.21
NNW	0	0	0	0	1	3	12	0	0	0	0	0	16	3.47
TOTAL	0	0	1	10	8	21	20	0	0	0	0	0	60	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 362 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS D (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

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	.28	.00	.28	.57	.00	.00	.00	.00	.00	1.14	3.14
NNE	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.28	2.59
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.00	.28	.00	.00	.28	.00	.00	.00	.00	.00	.57	2.28
E	.00	.00	.00	.57	.00	.57	.00	.00	.00	.00	.00	.00	1.14	2.00
ESE	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.00	.28	1.56
SE	.00	.00	.00	.57	.57	.85	.00	.00	.00	.00	.00	.00	1.99	1.94
SSE	.00	.00	.28	.28	.00	.00	.00	.00	.00	.00	.00	.00	.57	1.30
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.28	1.42	1.14	.00	.00	.00	.00	.00	.00	2.84	2.05
SW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WSW	.00	.00	.00	.00	.00	.85	.00	.00	.00	.00	.00	.00	.85	2.31
W	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.00	.28	1.25
WNW	.00	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.28	3.62
NW	.00	.00	.00	.00	.00	1.14	1.14	.00	.00	.00	.00	.00	2.27	3.21
NNW	.00	.00	.00	.00	.28	.85	3.41	.00	.00	.00	.00	.00	4.55	3.47
TOTAL	.00	.00	.28	2.84	2.27	5.97	5.68	.00	.00	.00	.00	.00	17.05	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

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

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

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	0	0	0	0	0	0	0	1	1.70
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	2	1	0	0	0	0	0	0	0	0	3	1.03
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	0	1	1	0	0	0	0	0	0	2	2.35
SE	0	0	0	0	2	0	0	0	0	0	0	0	2	1.86
SSE	0	0	1	1	1	0	0	0	0	0	0	0	3	1.40
S	0	0	0	1	0	1	0	0	0	1	0	0	3	4.54
SSW	0	0	0	0	2	8	0	0	0	0	0	0	10	2.32
SW	0	0	0	0	1	2	0	0	0	0	0	0	3	2.37
WSW	0	0	0	0	0	6	0	0	0	0	0	0	6	2.53
W	0	0	0	0	1	1	0	0	0	0	0	0	2	2.26
WNW	0	0	1	0	1	1	0	0	0	0	0	0	3	1.97
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNW	0	0	0	0	0	1	0	0	0	0	0	0	1	2.59
TOTAL	0	0	4	3	10	21	0	0	0	1	0	0	39	

NUMBER OF CAL'S

0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 352 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 1.5 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

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	FM TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.28	1.70
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	.57	.28	.00	.00	.00	.00	.00	.00	.00	.00	.85	1.03
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.28	.28	.00	.00	.00	.00	.00	.00	.57	2.35
SE	.00	.00	.00	.00	.57	.00	.00	.00	.00	.00	.00	.00	.57	1.86
SSE	.00	.00	.28	.28	.28	.00	.00	.00	.00	.00	.00	.00	.85	1.40
S	.00	.00	.00	.28	.00	.28	.00	.00	.00	.28	.00	.00	.85	4.54
SSW	.00	.00	.00	.00	.57	2.27	.00	.00	.00	.00	.00	.00	2.84	2.32
SW	.00	.00	.00	.00	.28	.57	.00	.00	.00	.00	.00	.00	.85	2.37
WSW	.00	.00	.00	.00	.00	1.70	.00	.00	.00	.00	.00	.00	1.70	2.53
W	.00	.00	.00	.00	.28	.28	.00	.00	.00	.00	.00	.00	.57	2.26
WNW	.00	.00	.28	.00	.28	.28	.00	.00	.00	.00	.00	.00	.85	1.97
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.28	2.59

TOTAL .00 .00 1.14 .85 2.84 5.97 .00 .00 .00 .00 .28 .00 .00 11.08

NUMBER OF DAYS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 352 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS F (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/62 TO 9/30/82

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	NOV TOTAL	MEAN SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
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	1	0	0	0	0	0	0	0	0	1	1.21
ESE	0	0	1	0	0	0	0	0	0	0	0	0	1	1.03
SE	0	0	0	1	1	3	2	0	0	0	0	0	7	2.57
SSE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.30
S	0	0	0	0	2	1	0	0	0	0	0	0	3	2.13
SSW	0	1	2	0	1	1	0	0	0	0	0	0	5	1.39
SW	0	0	0	0	0	2	0	0	0	0	0	0	2	2.46
WSW	0	0	0	0	1	0	0	0	0	0	0	0	1	1.92
W	0	0	0	0	1	0	0	0	0	0	0	0	1	1.79
WNW	0	0	0	0	0	1	0	0	0	0	0	0	1	2.50
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNW	0	0	1	0	0	0	0	0	0	0	0	0	1	.85

TOTAL 0 1 4 3 6 8 2 0 0 0 0 0 0 24

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 352 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS F (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	18.0 TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNE	.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
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.28	1.21
ESE	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.00	.28	1.03
SE	.00	.00	.00	.28	.28	.85	.57	.00	.00	.00	.00	1.99	2.57
SSE	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.28	1.30
S	.00	.00	.00	.00	.57	.28	.00	.00	.00	.00	.00	.85	2.13
SSW	.00	.28	.57	.00	.28	.28	.00	.00	.00	.00	.00	1.42	1.39
SW	.00	.00	.00	.00	.00	.57	.00	.00	.00	.00	.00	.57	2.46
WSW	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.28	1.52
W	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.28	1.79
WNW	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.28	2.50
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.00	.28	.85
TOTAL	.00	.28	1.14	.85	1.70	2.27	.57	.00	.00	.00	.00	6.82	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 352 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS G (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/82 TO 9/30/82

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	PMJ TOTAL	MEAN SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
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	1	1	0	0	0	0	0	0	2	2.10
SSE	0	0	0	0	0	2	0	0	0	0	0	0	2	2.62
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	1	2	1	0	0	0	0	0	0	4	1.72
SW	0	0	1	0	0	0	0	0	0	0	0	0	1	.94
WSW	0	0	0	0	4	1	0	0	0	0	0	0	5	1.83
W	0	0	0	0	0	0	0	0	0	0	0	0	0	.90
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	1	0	0	0	0	0	0	0	0	0	0	1	.72
TOTAL	0	1	1	1	7	5	0	0	0	0	0	0	15	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 352 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS G (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/82 TO 9/30/82

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	RUN TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
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	.28	.28	.00	.00	.00	.00	.00	.00	.57	2.10
SSE	.00	.00	.00	.00	.00	.57	.00	.00	.00	.00	.00	.00	.57	2.62
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.28	.57	.28	.00	.00	.00	.00	.00	.00	1.14	1.72
SW	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.94
WSW	.00	.00	.00	.00	1.14	.28	.00	.00	.00	.00	.00	.00	1.42	1.83
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	.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.72
TOTAL	.00	.28	.28	.28	1.99	1.42	.00	.00	.00	.00	.00	.00	4.25	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 352 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

CALVERT CLIFFS NUCLEAR POWER PLANT
METEOROLOGICAL DATA
October 1, 1982 to December 31, 1982

WIND FREQUENCY DISTRIBUTION
ALL STABILITY CLASSES

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS ALL (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

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	3	8	9	19	11	40	45	29	17	2	0	0	183	3.75
NNE	4	5	7	9	22	22	41	7	0	0	0	0	117	2.77
NE	7	3	8	13	5	19	24	0	0	0	0	0	79	2.26
ENE	9	5	5	9	7	12	13	0	0	0	0	0	60	1.90
E	6	0	6	10	5	12	15	0	0	0	0	0	54	2.15
ESE	7	4	3	6	8	28	21	0	0	0	0	0	77	2.43
SE	7	3	3	6	5	14	13	0	0	0	0	0	51	2.06
SSE	8	2	6	19	29	59	35	0	0	0	0	0	158	2.33
S	7	6	8	24	51	137	98	6	0	0	0	0	337	2.61
SSW	8	6	14	35	44	127	48	2	0	0	0	0	284	2.34
SW	9	7	10	16	45	63	13	1	0	0	0	0	164	1.98
WSW	18	6	9	12	10	25	13	2	0	0	0	0	95	1.91
W	19	9	14	7	8	11	13	0	0	0	0	0	81	1.57
WNW	3	7	11	19	16	52	16	0	0	0	0	0	124	2.13
NW	2	2	5	10	21	62	67	11	1	0	0	0	181	2.97
NNW	2	2	8	13	18	37	47	22	13	0	0	0	162	3.66
TOTAL	119	75	126	227	305	720	522	80	31	2	0	0	2207	

0

NUMBER OF CALMS

NUMBER OF INVALID HOURS 1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS ALL (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

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	.14	.36	.41	.86	.50	1.81	2.04	1.31	.77	.09	.00	.00	8.29	3.75
NNE	.18	.23	.32	.41	1.00	1.00	1.86	.32	.00	.00	.00	.00	5.30	2.77
NE	.32	.14	.36	.59	.23	.86	1.09	.00	.00	.00	.00	.00	3.58	2.26
ENE	.41	.23	.23	.41	.32	.54	.59	.00	.00	.00	.00	.00	2.72	1.90
E	.27	.00	.27	.45	.23	.54	.68	.00	.00	.00	.00	.00	2.45	2.15
ESE	.32	.18	.14	.27	.36	1.27	.95	.00	.00	.00	.00	.00	3.49	2.43
SE	.32	.14	.14	.27	.23	.63	.59	.00	.00	.00	.00	.00	2.31	2.06
SSE	.36	.09	.27	.86	1.31	2.67	1.59	.00	.00	.00	.00	.00	7.16	2.33
S	.32	.27	.36	1.09	2.31	6.21	4.44	.27	.00	.00	.00	.00	15.27	2.61
SSW	.36	.27	.63	1.59	1.99	5.75	2.17	.09	.00	.00	.00	.00	12.87	2.34
SW	.41	.32	.45	.72	2.04	2.85	.59	.05	.00	.00	.00	.00	7.43	1.98
WSW	.82	.27	.41	.54	.45	1.13	.59	.09	.00	.00	.00	.00	4.30	1.91
W	.86	.41	.63	.32	.36	.50	.59	.00	.00	.00	.00	.00	3.67	1.57
WNW	.14	.32	.50	.86	.72	2.36	.72	.00	.00	.00	.00	.00	5.62	2.13
NW	.09	.09	.23	.45	.95	2.81	3.04	.50	.05	.00	.00	.00	8.20	2.97
NNW	.09	.09	.36	.59	.82	1.68	2.13	1.00	.59	.00	.00	.00	7.34	3.66
TOTAL	5.39	3.40	5.71	10.29	13.82	32.62	23.65	3.62	1.40	.09	.00	.00	100.00	

NUMBER OF CALYS 0

NUMBER OF INVALID HOURS 1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

WIND FREQUENCY DISTRIBUTION
BY STABILITY CLASS

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS A (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

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	NO. TOTAL	MEAN SPEED
N	1	1	3	5	1	18	13	6	1	0	0	0	49	3.31
NNE	0	1	3	3	2	3	0	0	0	0	0	0	12	1.48
NE	1	1	2	1	0	2	1	0	0	0	0	0	8	1.67
ENE	1	2	2	5	0	1	6	0	0	0	0	0	17	1.98
E	0	0	1	4	1	2	5	0	0	0	0	0	13	2.59
ESE	0	1	0	2	0	4	8	0	0	0	0	0	15	3.32
SE	1	1	0	1	1	1	2	0	0	0	0	0	7	2.09
SSE	1	0	3	9	3	4	9	0	0	0	0	0	29	2.22
S	0	0	0	6	5	12	12	4	0	0	0	0	39	3.11
SSW	0	2	0	1	1	17	12	2	0	0	0	0	35	3.11
SW	1	1	1	0	3	12	5	1	0	0	0	0	24	2.48
WSW	1	2	2	1	0	1	3	0	0	0	0	0	10	2.08
W	0	0	0	1	0	1	4	0	0	0	0	0	6	3.55
WNW	0	1	1	0	0	1	2	0	0	0	0	0	5	2.46
NW	1	1	1	1	0	3	9	6	1	0	0	0	23	3.93
NNW	0	0	2	1	1	11	8	2	3	0	0	0	28	3.95
TOTAL	8	14	21	41	18	93	99	21	5	0	0	0	320	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS A (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

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	.05	.05	.14	.23	.05	.82	.59	.27	.05	.00	.00	.00	2.22	3.31
NNE	.00	.05	.14	.14	.09	.14	.00	.00	.00	.00	.00	.00	.54	1.48
NE	.05	.05	.09	.05	.00	.09	.05	.00	.00	.00	.00	.00	.36	1.67
ENE	.05	.09	.09	.23	.00	.05	.27	.00	.00	.00	.00	.00	.77	1.98
E	.00	.00	.05	.18	.05	.09	.23	.00	.00	.00	.00	.00	.59	2.59
ESE	.00	.05	.00	.09	.00	.18	.36	.00	.00	.00	.00	.00	.68	3.32
SE	.05	.05	.00	.05	.05	.05	.09	.00	.00	.00	.00	.00	.32	2.09
SSE	.05	.00	.14	.41	.14	.18	.41	.00	.00	.00	.00	.00	1.31	2.22
S	.00	.00	.00	.27	.23	.54	.54	.18	.00	.00	.00	.00	1.77	3.11
SSW	.00	.09	.00	.05	.05	.77	.54	.09	.00	.00	.00	.00	1.59	3.11
SW	.05	.05	.05	.00	.14	.54	.23	.05	.00	.00	.00	.00	1.09	2.48
WSW	.05	.09	.09	.05	.00	.05	.14	.00	.00	.00	.00	.00	.45	2.08
W	.00	.00	.00	.05	.00	.05	.18	.00	.00	.00	.00	.00	.27	3.55
WNW	.00	.05	.05	.00	.00	.05	.09	.00	.00	.00	.00	.00	.23	2.46
NW	.05	.05	.05	.05	.00	.14	.41	.27	.05	.00	.00	.00	1.04	3.93
NNW	.00	.00	.09	.05	.05	.50	.36	.09	.14	.00	.00	.00	1.27	3.95
TOTAL	.36	.63	.95	1.86	.82	4.21	4.49	.95	.23	.00	.00	.00	14.50	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS B (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

12/01/82 TO 12/31/82

WIND SPEED (M/S)

WIND DIRECTION	.200- .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	0	3	0	4	7	10	2	0	0	0	29	4.29
NNE	0	0	0	0	5	6	2	0	0	0	0	0	13	2.48
NE	0	0	0	0	0	5	4	0	0	0	0	0	9	3.23
ENE	1	0	0	1	0	1	1	0	0	0	0	0	4	2.15
E	2	0	0	0	0	1	5	0	0	0	0	0	8	2.76
ESE	0	0	0	1	2	0	2	0	0	0	0	0	5	2.79
SE	0	0	0	1	1	2	3	0	0	0	0	0	7	2.71
SSE	0	0	0	0	0	4	5	0	0	0	0	0	9	3.28
S	0	0	0	0	0	5	13	1	0	0	0	0	19	3.43
SSW	2	0	0	3	3	8	10	0	0	0	0	0	26	2.66
SW	0	0	0	0	3	8	4	0	0	0	0	0	15	2.66
WSW	0	1	1	0	0	2	0	2	0	0	0	0	6	3.00
W	0	0	1	0	1	0	2	0	0	0	0	0	4	2.66
WNW	0	0	0	1	0	2	2	0	0	0	0	0	5	2.62
NW	0	0	0	1	0	3	1	0	0	0	0	0	5	2.60
NNW	0	0	1	2	0	0	5	3	5	0	0	0	16	5.34
TOTAL	5	4	3	13	15	51	66	16	7	0	0	0	180	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS B (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

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	.14	.00	.14	.00	.18	.32	.45	.09	.00	.00	.00	1.31	4.29
NNE	.00	.00	.00	.00	.23	.27	.09	.00	.00	.00	.00	.00	.59	2.48
NE	.00	.00	.00	.00	.00	.23	.18	.00	.00	.00	.00	.00	.41	3.23
ENE	.05	.00	.00	.05	.00	.05	.05	.00	.00	.00	.00	.00	.18	2.15
E	.09	.00	.00	.00	.00	.05	.23	.00	.00	.00	.00	.00	.36	2.76
ESE	.00	.00	.00	.05	.09	.00	.09	.00	.00	.00	.00	.00	.23	2.79
SE	.00	.00	.00	.05	.05	.09	.14	.00	.00	.00	.00	.00	.32	2.71
SSE	.00	.00	.00	.00	.00	.18	.23	.00	.00	.00	.00	.00	.41	3.28
S	.00	.00	.00	.00	.00	.23	.59	.05	.00	.00	.00	.00	.86	3.43
SSW	.09	.00	.00	.14	.14	.36	.45	.00	.00	.00	.00	.00	1.18	2.66
SW	.00	.00	.00	.00	.14	.36	.18	.00	.00	.00	.00	.00	.68	2.66
WSW	.00	.05	.05	.00	.00	.09	.00	.09	.00	.00	.00	.00	.27	3.00
W	.00	.00	.05	.00	.05	.00	.09	.00	.00	.00	.00	.00	.18	2.66
WNW	.00	.00	.00	.05	.00	.09	.09	.00	.00	.00	.00	.00	.23	2.62
NW	.00	.00	.00	.05	.00	.14	.05	.00	.00	.00	.00	.00	.23	2.60
NNW	.00	.00	.05	.09	.00	.00	.23	.14	.23	.00	.00	.00	.72	5.34
TOTAL	.23	.18	.14	.59	.68	2.31	2.99	.72	.32	.00	.00	.00	8.16	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS C (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

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	2	0	3	2	12	20	8	3	2	0	0	52	4.09
NNE	1	1	0	2	4	6	24	4	0	0	0	0	42	3.52
NE	0	0	0	1	1	2	11	0	0	0	0	0	15	3.47
ENE	1	0	0	0	2	1	2	0	0	0	0	0	6	2.43
E	0	0	0	0	0	0	1	0	0	0	0	0	1	3.35
ESE	0	0	0	3	1	4	6	0	0	0	0	0	14	2.75
SE	1	0	0	2	1	0	2	0	0	0	0	0	6	2.06
SSE	0	0	0	1	3	8	5	0	0	0	0	0	17	2.89
S	2	0	0	0	0	5	9	1	0	0	0	0	17	3.21
SSW	1	0	3	1	3	13	6	0	0	0	0	0	27	2.49
SW	2	0	1	4	2	2	3	0	0	0	0	0	14	1.88
WSW	4	1	3	0	1	1	3	0	0	0	0	0	13	1.69
W	0	1	0	1	2	2	1	0	0	0	0	0	7	2.11
WNW	0	1	1	1	0	3	1	0	0	0	0	0	7	2.16
NW	0	0	0	1	1	5	4	5	0	0	0	0	16	3.75
NNW	0	1	0	2	1	7	10	11	4	0	0	0	36	4.57
TOTAL	12	7	8	22	24	71	108	29	7	2	0	0	290	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS C (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

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	.09	.00	.14	.09	.54	.91	.36	.14	.09	.00	.00	2.36	4.09
NNE	.05	.05	.00	.09	.18	.27	1.09	.18	.00	.00	.00	.00	1.90	3.52
NE	.00	.00	.00	.05	.05	.09	.50	.00	.00	.00	.00	.00	.68	3.47
ENE	.05	.00	.00	.00	.09	.05	.09	.00	.00	.00	.00	.00	.27	2.43
E	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.05	3.35
ESE	.00	.00	.00	.14	.05	.18	.27	.00	.00	.00	.00	.00	.63	2.75
SE	.05	.00	.00	.09	.05	.00	.03	.00	.00	.00	.00	.00	.27	2.06
SSE	.00	.00	.00	.05	.14	.36	.23	.00	.00	.00	.00	.00	.77	2.89
S	.09	.00	.00	.00	.00	.23	.41	.05	.00	.00	.00	.00	.77	3.21
SSW	.05	.00	.14	.05	.14	.59	.27	.00	.00	.00	.00	.00	1.22	2.49
SW	.09	.00	.05	.18	.09	.09	.14	.00	.00	.00	.00	.00	.63	1.88
WSW	.18	.05	.14	.00	.05	.05	.14	.00	.00	.00	.00	.00	.59	1.69
W	.00	.05	.00	.05	.09	.09	.05	.00	.00	.00	.00	.00	.32	2.11
WNW	.00	.05	.05	.05	.00	.14	.05	.00	.00	.00	.00	.00	.32	2.16
NW	.00	.00	.00	.05	.05	.23	.18	.23	.00	.00	.00	.00	.72	3.75
NNW	.00	.05	.00	.09	.05	.32	.45	.50	.18	.00	.00	.00	1.63	4.57
TOTAL	.54	.32	.36	1.00	1.09	3.22	4.89	1.31	.32	.09	.00	.00	13.14	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS D (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

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	5	6	6	6	5	5	11	0	0	0	45	3.97
NNE	2	1	4	3	7	7	15	3	0	0	0	0	42	2.76
NE	4	1	3	11	3	10	8	0	0	0	0	0	40	1.96
ENE	4	0	3	3	5	8	4	0	0	0	0	0	27	1.93
E	3	0	1	6	4	9	2	0	0	0	0	0	25	1.85
ESE	4	0	0	0	4	4	3	0	0	0	0	0	15	1.93
SE	3	1	0	2	2	4	2	0	0	0	0	0	14	1.74
SSE	5	0	1	5	15	16	8	0	0	0	0	0	50	2.07
S	4	5	5	7	16	55	39	0	0	0	0	0	131	2.50
SSW	4	2	6	10	13	39	16	0	0	0	0	0	90	2.25
SW	3	3	3	4	19	7	0	0	0	0	0	0	39	1.59
WSW	7	0	3	8	2	8	4	0	0	0	0	0	32	1.74
W	9	7	7	4	1	4	4	0	0	0	0	0	36	1.29
WNW	2	3	4	9	9	23	11	0	0	0	0	0	61	2.21
NW	0	1	2	2	6	37	50	0	0	0	0	0	98	3.02
NNW	2	0	3	5	6	12	21	6	1	0	0	0	56	3.20
TOTAL	56	25	50	85	118	249	192	14	12	0	0	0	801	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS D (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

WIND SPEED (M/S)

WIND DIRECTION	.200- .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	.05	.23	.27	.27	.27	.23	.23	.50	.00	.00	.00	2.04	3.97
NNE	.09	.05	.18	.14	.32	.32	.68	.14	.00	.00	.00	.00	1.90	2.76
NE	.18	.05	.14	.50	.14	.45	.36	.00	.00	.00	.00	.00	1.81	1.96
ENE	.18	.00	.14	.14	.23	.36	.18	.00	.00	.00	.00	.00	1.22	1.93
E	.14	.00	.05	.27	.18	.41	.09	.00	.00	.00	.00	.00	1.13	1.85
ESE	.18	.00	.00	.00	.18	.18	.14	.00	.00	.00	.00	.00	.68	1.93
SE	.14	.05	.00	.09	.09	.18	.09	.00	.00	.00	.00	.00	.63	1.74
SSE	.23	.00	.05	.23	.68	.72	.36	.00	.00	.00	.00	.00	2.27	2.07
S	.18	.23	.23	.32	.72	2.49	1.77	.00	.00	.00	.00	.00	5.94	2.50
SSW	.18	.09	.27	.45	.59	1.77	.72	.00	.00	.00	.00	.00	4.08	2.25
SW	.14	.14	.14	.18	.86	.32	.00	.00	.00	.00	.00	.00	1.77	1.59
WSW	.32	.00	.14	.36	.09	.36	.18	.00	.00	.00	.00	.00	1.45	1.74
W	.41	.32	.32	.18	.05	.18	.18	.00	.00	.00	.00	.00	1.63	1.29
WNW	.09	.14	.18	.41	.41	1.04	.50	.00	.00	.00	.00	.00	2.76	2.21
NW	.00	.05	.09	.09	.27	1.68	2.27	.00	.00	.00	.00	.00	4.44	3.02
NNW	.09	.00	.14	.23	.27	.54	.95	.27	.05	.00	.00	.00	2.54	3.20
TOTAL	2.54	1.13	2.27	3.85	5.35	11.28	8.70	.63	.54	.00	.00	.00	36.29	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

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	POW TOTAL	MEAN SPEED
N	0	1	0	0	2	0	0	0	0	0	0	0	3	1.48
NNE	1	1	0	1	2	0	0	0	0	0	0	0	5	1.22
NE	2	0	2	0	1	0	0	0	0	0	0	0	5	.82
ENE	0	1	0	0	0	0	0	0	0	0	0	0	1	.72
E	0	0	1	0	0	0	2	0	0	0	0	0	3	2.55
ESE	1	1	1	0	1	15	2	0	0	0	0	0	21	2.36
SE	2	1	1	0	0	7	3	0	0	0	0	0	14	2.11
SSE	2	0	1	4	8	24	8	0	0	0	0	0	47	2.38
S	1	1	2	7	21	43	20	0	0	0	0	0	95	2.39
SSW	1	1	4	10	17	26	2	0	0	0	0	0	61	1.99
SW	1	1	2	3	16	20	1	0	0	0	0	0	44	1.98
WSW	5	1	0	3	3	8	3	0	0	0	0	0	23	1.90
W	9	0	2	0	0	3	2	0	0	0	0	0	16	1.14
WNW	0	0	3	2	4	20	0	0	0	0	0	0	29	2.23
NW	1	0	1	1	11	12	2	0	0	0	0	0	28	2.10
NNW	0	0	0	1	5	7	1	0	0	0	0	0	14	2.19
TOTAL	26	9	20	32	91	185	46	0	0	0	0	0	409	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

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	POW TOTAL	MEAN SPEED
N	.00	.05	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.14	1.48
NNE	.05	.05	.00	.05	.09	.00	.00	.00	.00	.00	.00	.00	.23	1.22
NE	.09	.00	.09	.00	.05	.00	.00	.00	.00	.00	.00	.00	.23	.82
ENE	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.72
E	.00	.00	.05	.00	.00	.00	.09	.00	.00	.00	.00	.00	.14	2.55
ESE	.05	.05	.05	.00	.05	.68	.09	.00	.00	.00	.00	.00	.95	2.36
SE	.09	.05	.05	.00	.00	.32	.14	.00	.00	.00	.00	.00	.63	2.11
SSE	.09	.00	.05	.18	.36	1.09	.35	.00	.00	.00	.00	.00	2.13	2.38
S	.05	.05	.09	.32	.95	1.95	.91	.00	.00	.00	.00	.00	4.30	2.39
SSW	.05	.05	.18	.45	.77	1.18	.09	.00	.00	.00	.00	.00	2.76	1.99
SW	.05	.05	.09	.14	.72	.91	.05	.00	.00	.00	.00	.00	1.99	1.98
WSW	.23	.05	.00	.14	.14	.36	.14	.00	.00	.00	.00	.00	1.04	1.90
W	.41	.00	.09	.00	.00	.14	.09	.00	.00	.00	.00	.00	.72	1.14
WNW	.00	.00	.14	.09	.18	.91	.00	.00	.00	.00	.00	.00	1.31	2.23
NW	.05	.00	.05	.05	.50	.54	.09	.00	.00	.00	.00	.00	1.27	2.10
NNW	.00	.00	.00	.05	.23	.32	.05	.00	.00	.00	.00	.00	.63	2.19
TOTAL	1.18	.41	.91	1.45	4.12	8.38	2.08	.00	.00	.00	.00	.00	18.53	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS F (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

WIND SPEED (M/S)

WIND DIRECTION	.20- .50	.51- .75	.76- 1	1.10- 1.50	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	ROI TOTAL	MEAN SPEED
N	1	0	1	1	1	0	0	0	0	0	0	0	0	3	.86
NNE	0	1	0	0	0	0	0	0	0	0	0	0	0	1	.58
NE	0	1	0	0	0	0	0	0	0	0	0	0	0	1	.63
ENE	1	0	0	0	0	0	1	0	0	0	0	0	0	2	1.39
E	0	0	2	0	0	0	0	0	0	0	0	0	0	2	.92
ESE	1	2	1	0	0	0	0	0	0	0	0	0	0	4	.60
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	1	1	0	0	0	2	0	0	0	0	0	0	4	1.59
S	0	0	1	4	9	12	12	5	0	0	0	0	0	31	2.23
SSW	0	1	1	9	6	20	20	0	0	0	0	0	0	37	2.02
SW	2	0	1	2	1	8	8	0	0	0	0	0	0	14	1.85
WSW	0	0	0	0	1	1	4	0	0	0	0	0	0	5	2.51
W	0	0	2	0	3	3	1	0	0	0	0	0	0	6	1.65
WNW	1	1	0	0	3	3	1	0	0	0	0	0	0	6	1.44
NW	0	0	0	2	2	2	2	1	0	0	0	0	0	7	2.16
NNW	0	0	1	1	3	3	0	2	0	0	0	0	0	7	2.28
TOTAL	6	7	11	19	28	51	51	8	0	0	0	0	0	130	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS F (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

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	.05	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.14	.86
NNE	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.53
NE	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.63
ENE	.05	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.09	1.39
E	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.92
ESE	.05	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.60
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.05	.05	.00	.00	.03	.00	.00	.00	.00	.00	.00	.18	1.59
S	.00	.00	.05	.18	.41	.54	.23	.00	.00	.00	.00	.00	1.40	2.23
SSW	.00	.05	.05	.41	.27	.91	.00	.00	.00	.00	.00	.00	1.68	2.02
SW	.09	.00	.05	.09	.05	.35	.00	.00	.00	.00	.00	.00	.63	1.85
WSW	.00	.00	.00	.00	.05	.18	.00	.00	.00	.00	.00	.00	.23	2.51
W	.00	.00	.09	.00	.14	.05	.00	.00	.00	.00	.00	.00	.27	1.65
WNW	.05	.05	.00	.00	.14	.05	.00	.00	.00	.00	.00	.00	.27	1.44
NW	.00	.00	.00	.09	.09	.09	.05	.00	.00	.00	.00	.00	.32	2.16
NNW	.00	.00	.05	.05	.14	.00	.09	.00	.00	.00	.00	.00	.32	2.28

TOTAL .27 .32 .50 .86 1.27 2.31 .36 .00 .00 .00 .00 .00 .00 5.89

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS G (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

WIND SPEED (M/S)

WIND DIRECTION	.200- .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	1	0	0	1	0	0	0	0	0	0	0	0	2	1.01
NNE	0	0	0	0	2	0	0	0	0	0	0	0	2	1.63
NE	0	0	1	0	0	0	0	0	0	0	0	0	1	.89
ENE	1	2	0	0	0	0	0	0	0	0	0	0	3	.57
E	1	0	1	0	0	0	0	0	0	0	0	0	2	.58
ESE	1	0	1	0	0	1	0	0	0	0	0	0	3	1.22
SE	0	0	2	0	0	0	1	0	0	0	0	0	3	1.64
SSE	0	1	0	0	0	1	0	0	0	0	0	0	2	1.45
S	0	0	0	0	0	5	0	0	0	0	0	0	5	2.68
SSW	0	0	0	1	1	4	2	0	0	0	0	0	8	2.57
SW	0	2	2	3	1	6	0	0	0	0	0	0	14	1.71
WSW	1	1	0	0	3	1	0	0	0	0	0	0	6	1.42
W	1	1	2	1	1	0	0	0	0	0	0	0	6	.95
WNW	0	1	2	6	0	2	0	0	0	0	0	0	11	1.43
NW	0	0	1	2	1	0	0	0	0	0	0	0	4	1.36
NNW	0	1	1	1	2	0	0	0	0	0	0	0	5	1.39

TOTAL 6 9 13 15 11 20 3 0 0 0 0 0 0 77

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS G (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

WIND SPEED (M/S)

WIND DIRECTION	.20- .50	.51- .75	.76- 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	.05	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.09	1.01
NNE	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.09	1.33
NE	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.89
ENE	.05	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.57
E	.05	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.58
ESE	.05	.00	.05	.00	.00	.05	.00	.00	.00	.00	.00	.00	.14	1.22
SE	.00	.00	.09	.00	.00	.00	.05	.00	.00	.00	.00	.00	.14	1.64
SSE	.00	.05	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.09	1.45
S	.00	.00	.00	.00	.00	.23	.00	.00	.00	.00	.00	.00	.23	2.69
SSW	.00	.00	.00	.05	.05	.18	.09	.00	.00	.00	.00	.00	.36	2.57
SW	.00	.09	.09	.14	.05	.27	.00	.00	.00	.00	.00	.00	.63	1.71
WSW	.05	.05	.00	.00	.14	.05	.00	.00	.00	.00	.00	.00	.27	1.42
W	.05	.05	.09	.05	.05	.00	.00	.00	.00	.00	.00	.00	.27	.95
WNW	.00	.05	.09	.27	.00	.09	.00	.00	.00	.00	.00	.00	.50	1.43
NW	.00	.00	.05	.09	.05	.00	.00	.00	.00	.00	.00	.00	.18	1.36
NNW	.00	.05	.05	.05	.09	.00	.00	.00	.00	.00	.00	.00	.23	1.39
TOTAL	.27	.41	.59	.68	.50	.91	.14	.00	.00	.00	.00	.00	3.49	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 1 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2207 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

WIND FREQUENCY DISTRIBUTION
BY STABILITY CLASS
PERIODS OF RELEASE ONLY

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS A (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 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	1	1	3	2	1	15	11	6	0	0	0	0	40	3.30
NNE	0	1	2	3	0	2	0	0	0	0	0	0	8	1.41
NE	1	1	2	0	0	0	1	0	0	0	0	0	5	1.22
ENE	0	1	2	5	0	0	0	0	0	0	0	0	8	1.18
E	0	0	0	4	1	0	0	0	0	0	0	0	5	1.49
ESE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.52
SE	1	1	0	1	1	0	1	0	0	0	0	0	5	1.49
SSE	1	0	1	1	0	0	0	0	0	0	0	0	3	.86
S	0	0	0	2	1	3	6	4	0	0	0	0	16	3.85
SSW	0	2	0	0	0	8	4	1	0	0	0	0	15	2.86
SW	1	1	1	0	2	6	2	0	0	0	0	0	13	2.10
WSW	1	2	2	0	0	0	1	0	0	0	0	0	6	1.32
W	0	0	0	1	0	0	0	0	0	0	0	0	1	1.43
WNW	0	1	1	0	0	0	2	0	0	0	0	0	4	2.49
NW	1	0	1	1	0	0	3	0	0	0	0	0	6	2.31
NNW	0	0	1	1	0	9	7	0	0	0	0	0	18	3.15
TOTAL	7	11	16	22	6	43	38	11	0	0	0	0	154	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS A (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROM TOTAL	MEAN SPEED
N	.09	.09	.26	.17	.09	1.31	.96	.52	.00	.00	.00	.00	3.50	3.30
NNE	.00	.09	.17	.26	.00	.17	.00	.00	.00	.00	.00	.00	.70	1.41
NE	.09	.09	.17	.00	.00	.00	.09	.00	.00	.00	.00	.00	.44	1.22
ENE	.00	.09	.17	.44	.00	.00	.00	.00	.00	.00	.00	.00	.70	1.18
E	.00	.00	.00	.35	.09	.00	.00	.00	.00	.00	.00	.00	.44	1.49
ESE	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.09	1.52
SE	.09	.09	.00	.09	.09	.00	.09	.00	.00	.00	.00	.00	.44	1.49
SSE	.09	.00	.09	.09	.00	.00	.00	.00	.00	.00	.00	.00	.26	.86
S	.00	.00	.00	.17	.09	.26	.52	.35	.00	.00	.00	.00	1.40	3.85
SSW	.00	.17	.00	.00	.00	.70	.35	.09	.00	.00	.00	.00	1.31	2.86
SW	.09	.09	.09	.00	.17	.52	.17	.00	.00	.00	.00	.00	1.14	2.10
WSW	.09	.17	.17	.00	.00	.00	.09	.00	.00	.00	.00	.00	.52	1.32
W	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.09	1.43
WNW	.00	.09	.09	.00	.00	.00	.17	.00	.00	.00	.00	.00	.35	2.49
NW	.09	.00	.09	.09	.00	.00	.26	.00	.00	.00	.00	.00	.52	2.31
NNW	.00	.00	.09	.09	.00	.79	.61	.00	.00	.00	.00	.00	1.57	3.15
TOTAL	.61	.96	1.40	1.92	.52	3.76	3.32	.96	.00	.00	.00	.00	13.47	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS B (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 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	0	3	0	1	2	4	0	0	0	0	11	3.39
NNE	0	0	0	0	2	3	0	0	0	0	0	0	5	2.12
NE	0	0	0	0	0	2	1	0	0	0	0	0	3	3.16
ENE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.56
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	0	2	0	0	0	0	0	0	0	2	1.77
SE	0	0	0	0	0	1	3	0	0	0	0	0	4	3.17
SSE	0	0	0	0	0	3	4	0	0	0	0	0	7	3.28
S	0	0	0	0	0	1	5	0	0	0	0	0	6	3.45
SSW	1	0	0	1	1	5	3	0	0	0	0	0	11	2.41
SW	0	0	0	0	3	4	1	0	0	0	0	0	8	2.37
WSW	0	0	1	0	0	1	0	0	0	0	0	0	2	1.88
W	0	0	0	0	0	0	1	0	0	0	0	0	1	4.47
WNW	0	0	0	0	0	0	1	0	0	0	0	0	1	3.35
NW	0	0	0	1	0	0	1	0	0	0	0	0	2	2.57
NNW	0	0	1	1	0	0	2	1	0	0	0	0	5	2.97

TOTAL 1 1 2 7 8 21 24 5 0 0 0 0 0 69

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
PERIODS OF RELEASE ONLY
STABILITY CLASS B (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

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	.09	.00	.26	.00	.09	.17	.35	.00	.00	.00	.00	.96	3.39
NNE	.00	.00	.00	.00	.17	.26	.00	.00	.00	.00	.20	.00	.44	2.12
NE	.00	.00	.00	.00	.00	.17	.09	.00	.00	.00	.00	.00	.26	3.16
ENE	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.09	1.56
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.17	.00	.00	.00	.00	.00	.00	.00	.17	1.77
SE	.00	.00	.00	.00	.00	.09	.26	.00	.00	.00	.00	.00	.35	3.17
SSE	.00	.00	.00	.00	.00	.26	.35	.00	.00	.00	.00	.00	.61	3.28
S	.00	.00	.00	.00	.00	.09	.44	.00	.00	.00	.00	.00	.52	3.45
SSW	.09	.00	.00	.09	.09	.44	.26	.00	.00	.00	.00	.00	.96	2.41
SW	.00	.00	.00	.00	.26	.35	.09	.00	.00	.00	.00	.00	.70	2.37
WSW	.00	.00	.09	.00	.00	.09	.00	.00	.00	.00	.00	.00	.17	1.83
W	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.09	4.47
WNW	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.09	3.35
NW	.00	.00	.00	.09	.00	.00	.09	.00	.00	.00	.00	.00	.17	2.57
NNW	.00	.00	.09	.09	.00	.00	.17	.09	.00	.00	.00	.00	.44	2.97
TOTAL	.09	.09	.17	.61	.70	1.84	2.10	.44	.00	.00	.00	.00	6.04	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS C (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

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	POW TOTAL	MEAN SPEED
N	0	2	0	3	0	5	10	4	3	2	0	0	29	4.50
NNE	0	0	0	1	2	6	15	0	0	0	0	0	24	3.38
NE	0	0	0	0	1	2	7	0	0	0	0	0	10	3.49
ENE	1	0	0	0	2	1	0	0	0	0	0	0	4	1.78
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	3	1	3	0	0	0	0	0	0	7	1.70
SE	0	0	0	1	0	0	2	0	0	0	0	0	3	2.85
SSE	0	0	0	0	2	4	3	0	0	0	0	0	9	2.89
S	2	0	0	0	0	2	6	1	0	0	0	0	11	3.25
SSW	1	0	0	0	1	9	1	0	0	0	0	0	12	2.38
SW	1	0	1	1	2	1	1	0	0	0	0	0	7	1.82
WSW	4	1	1	0	1	0	1	0	0	0	0	0	8	1.12
W	0	0	0	0	1	0	0	0	0	0	0	0	1	1.97
WNW	0	0	1	0	0	2	1	0	0	0	0	0	4	2.65
NW	0	0	0	1	0	4	0	4	0	0	0	0	9	3.92
NNW	0	0	0	2	0	6	3	3	1	0	0	0	15	3.71
TOTAL	9	3	3	12	13	45	50	12	4	2	0	0	153	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
PERIODS OF RELEASE ONLY
STABILITY CLASS C (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

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	.00	.26	.00	.44	.87	.35	.26	.17	.00	.00	2.54	4.50
NNE	.00	.00	.00	.09	.17	.52	1.31	.00	.00	.00	.00	.00	2.10	3.38
NE	.00	.00	.00	.00	.09	.17	.61	.00	.00	.00	.00	.00	.87	3.49
ENE	.09	.00	.00	.00	.17	.09	.00	.00	.00	.00	.00	.00	.35	1.78
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.26	.09	.26	.00	.00	.00	.00	.00	.00	.61	1.70
SE	.00	.00	.00	.00	.00	.00	.17	.00	.00	.00	.00	.00	.26	2.85
SSE	.00	.00	.00	.00	.17	.35	.26	.00	.00	.00	.00	.00	.79	2.89
S	.17	.00	.00	.00	.00	.17	.52	.09	.00	.00	.00	.00	.96	3.25
SSW	.09	.00	.00	.00	.09	.79	.09	.00	.00	.00	.00	.00	1.05	2.38
SW	.09	.00	.09	.09	.17	.09	.09	.00	.00	.00	.00	.00	.61	1.82
WSW	.35	.09	.09	.00	.09	.00	.09	.00	.00	.00	.00	.00	.70	1.12
W	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.09	1.97
WNW	.00	.00	.09	.00	.00	.17	.09	.00	.00	.00	.00	.00	.35	2.65
NW	.00	.00	.00	.09	.00	.35	.00	.35	.00	.00	.00	.00	.79	3.92
NNW	.00	.00	.00	.17	.00	.52	.26	.26	.09	.00	.00	.00	1.31	3.71
TOTAL	.79	.26	.26	1.05	1.14	3.94	4.37	1.05	.35	.17	.00	.00	13.39	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS D (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

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	4	4	2	6	4	5	11	0	0	0	37	4.45
NNE	2	1	2	2	5	7	15	3	0	0	0	0	37	2.94
NE	4	1	1	8	0	7	5	0	0	0	0	0	26	1.91
ENE	4	0	3	3	2	1	0	0	0	0	0	0	13	1.11
E	3	0	1	1	0	0	0	0	0	0	0	0	5	.61
ESE	4	0	0	0	0	0	0	0	0	0	0	0	4	.22
SE	1	1	0	1	1	0	2	0	0	0	0	0	6	1.93
SSE	3	0	1	4	6	9	7	0	0	0	0	0	30	2.20
S	1	3	0	2	11	27	21	0	0	0	0	0	65	2.56
SSW	3	1	4	2	4	20	7	0	0	0	0	0	41	2.17
SW	2	2	2	1	7	2	0	0	0	0	0	0	16	1.45
WSW	1	0	2	6	0	6	1	0	0	0	0	0	16	1.89
W	1	2	1	4	0	3	0	0	0	0	0	0	11	1.42
WNW	0	0	0	3	6	20	10	0	0	0	0	0	39	2.66
NW	0	0	0	0	2	25	44	0	0	0	0	0	71	3.27
NNW	0	0	2	4	4	6	8	5	1	0	0	0	30	3.32
TOTAL	29	12	23	45	50	139	124	13	12	0	0	0	447	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS D (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

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	ROM TOTAL	MEAN SPEED
N	.00	.09	.35	.35	.17	.52	.35	.44	.96	.00	.00	.00	3.24	4.45
NNE	.17	.09	.17	.17	.44	.61	1.31	.26	.00	.00	.00	.00	3.24	2.94
NE	.35	.09	.09	.70	.00	.61	.44	.00	.00	.00	.00	.00	2.27	1.91
ENE	.35	.00	.26	.26	.17	.09	.00	.00	.00	.00	.00	.00	1.14	1.11
E	.26	.00	.09	.09	.00	.00	.00	.00	.00	.00	.00	.00	.44	.61
ESE	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.35	.22
SE	.09	.09	.00	.09	.09	.00	.17	.00	.00	.00	.00	.00	.52	1.93
SSE	.26	.00	.09	.35	.52	.79	.61	.00	.00	.00	.00	.00	2.62	2.20
S	.09	.26	.00	.17	.96	2.36	1.84	.00	.00	.00	.00	.00	5.69	2.56
SSW	.26	.09	.35	.17	.35	1.75	.61	.00	.00	.00	.00	.00	3.59	2.17
SW	.17	.17	.17	.09	.61	.17	.00	.00	.00	.00	.00	.00	1.40	1.45
WSW	.09	.00	.17	.52	.00	.52	.09	.00	.00	.00	.00	.00	1.40	1.89
W	.09	.17	.09	.35	.00	.26	.00	.00	.00	.00	.00	.00	.96	1.42
WNW	.00	.00	.00	.26	.52	1.75	.87	.00	.00	.00	.00	.00	3.41	2.66
NW	.00	.00	.00	.00	.17	2.19	3.85	.00	.00	.00	.00	.00	6.21	3.27
NNW	.00	.00	.17	.35	.35	.52	.70	.44	.09	.00	.00	.00	2.62	3.32
TOTAL	2.54	1.05	2.01	3.94	4.37	12.16	10.85	1.14	1.05	.00	.00	.00	39.11	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

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	0	0	0	0	0	0	0	1	1.92
NNE	0	1	0	0	0	0	0	0	0	0	0	0	1	.63
NE	1	0	2	0	0	0	0	0	0	0	0	0	3	.66
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	1	0	0	0	0	0	0	0	0	0	1	1.07
ESE	1	1	1	0	0	1	0	0	0	0	0	0	4	1.03
SE	0	0	0	0	0	3	0	0	0	0	0	0	3	2.35
SSE	1	0	0	1	7	16	1	0	0	0	0	0	26	2.31
S	0	0	0	4	14	18	10	0	0	0	0	0	46	2.38
SSW	1	0	3	6	12	16	0	0	0	0	0	0	38	1.92
SW	1	0	2	1	2	4	1	0	0	0	0	0	11	1.87
WSW	0	1	0	3	0	3	2	0	0	0	0	0	9	2.26
W	0	0	2	0	0	0	1	0	0	0	0	0	3	1.76
WNW	0	0	2	1	2	5	0	0	0	0	0	0	10	1.81
NW	1	0	0	1	10	11	1	0	0	0	0	0	24	2.07
NNW	0	0	0	1	3	3	0	0	0	0	0	0	7	2.02
TOTAL	6	3	13	18	51	80	16	0	0	0	0	0	187	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	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	PLJ TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.09	1.92
NNE	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.63
NE	.09	.00	.17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.66
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	1.07
ESE	.09	.09	.09	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.35	1.03
SE	.00	.00	.00	.00	.00	.00	.26	.00	.00	.00	.00	.00	.00	.26	2.35
SSE	.09	.00	.00	.09	.09	.61	1.40	.09	.00	.00	.00	.00	.00	2.27	2.31
S	.00	.00	.00	.35	.00	1.22	1.57	.87	.00	.00	.00	.00	.00	4.02	2.38
SSW	.09	.00	.26	.52	.00	1.05	1.40	.00	.00	.00	.00	.00	.00	3.32	1.92
SW	.09	.00	.17	.09	.09	.17	.35	.09	.00	.00	.00	.00	.00	.96	1.87
WSW	.00	.09	.00	.26	.00	.00	.26	.17	.00	.00	.00	.00	.00	.79	2.26
W	.00	.00	.17	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.26	1.76
WNW	.00	.00	.17	.09	.09	.17	.44	.00	.00	.00	.00	.00	.00	.87	1.81
NW	.09	.00	.00	.09	.09	.87	.96	.09	.00	.00	.00	.00	.00	2.10	2.07
NNW	.00	.00	.00	.09	.09	.26	.26	.00	.00	.00	.00	.00	.00	.61	2.02
TOTAL	.52	.26	1.14	1.57	4.46	7.00	1.40	.00	.00	.00	.00	.00	.00	16.36	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS F (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

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	1	0	0	0	0	0	0	0	0	2	1.12
NNE	0	1	0	0	0	0	0	0	0	0	0	0	1	.58
NE	0	1	0	0	0	0	0	0	0	0	0	0	1	.63
ENE	1	0	0	0	0	0	0	0	0	0	0	0	1	.40
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	2	1	0	0	0	0	0	0	0	0	0	3	.70
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	1	1	0	0	1	0	0	0	0	0	0	3	1.30
S	0	0	1	2	5	5	3	0	0	0	0	0	16	2.19
SSW	0	0	1	7	6	13	0	0	0	0	0	0	27	2.01
SW	2	0	1	2	1	4	0	0	0	0	0	0	10	1.60
WSW	0	0	0	0	0	2	0	0	0	0	0	0	2	2.77
W	0	0	0	0	2	0	0	0	0	0	0	0	2	1.83
WNW	1	1	0	0	2	1	0	0	0	0	0	0	5	1.33
NW	0	0	0	2	0	1	0	0	0	0	0	0	3	1.59
NNW	0	0	1	0	2	0	0	0	0	0	0	0	3	1.49
TOTAL	4	6	7	14	18	27	3	0	0	0	0	0	79	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS F (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/82 TO 12/31/82

WIND SPEED (M/S)

WIND DIRECTION	.20- .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	PO4 TOTAL	MEAN SPEED
N	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00	.00	.00	.17	1.12
NNE	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.58
NE	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.63
ENE	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.40
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.17	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.70
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.09	.09	.00	.00	.09	.00	.00	.00	.00	.00	.00	.26	1.30
S	.00	.00	.09	.17	.44	.44	.26	.00	.00	.00	.00	.00	1.40	2.19
SSW	.00	.00	.09	.61	.52	1.14	.00	.00	.00	.00	.00	.00	2.36	2.01
SW	.17	.00	.09	.17	.09	.35	.00	.00	.00	.00	.00	.00	.87	1.60
WSW	.00	.00	.00	.00	.00	.17	.00	.00	.00	.00	.00	.00	.17	2.77
W	.00	.00	.00	.00	.17	.00	.00	.00	.00	.00	.00	.00	.17	1.83
WNW	.09	.09	.00	.00	.17	.09	.00	.00	.00	.00	.00	.00	.44	1.33
NW	.00	.00	.00	.17	.00	.09	.00	.00	.00	.00	.00	.00	.26	1.59
NNW	.00	.00	.09	.00	.17	.00	.00	.00	.00	.00	.00	.00	.26	1.49
TOTAL	.35	.52	.61	1.22	1.57	2.36	.26	.00	.00	.00	.00	.00	6.91	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS G (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/82 TO 12/31/82

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	ROI TOTAL	MEAN SPEED
N	1	0	0	0	0	0	0	0	0	0	0	0	1	.45
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	0	1	0	0	0	0	0	0	0	0	0	1	.89
ENE	1	2	0	0	0	0	0	0	0	0	0	0	3	.57
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	1	0	0	0	0	0	0	0	0	0	1	.80
SE	0	0	2	0	0	0	0	0	0	0	0	0	2	.87
SSE	0	1	0	0	0	1	0	0	0	0	0	0	2	1.45
S	0	0	0	0	0	3	0	0	0	0	0	0	3	2.77
SSW	0	0	0	1	1	4	2	0	0	0	0	0	8	2.57
SW	0	2	2	3	1	1	0	0	0	0	0	0	9	1.19
WSW	1	1	0	0	3	1	0	0	0	0	0	0	6	1.42
W	0	1	1	1	1	0	0	0	0	0	0	0	4	1.08
WNW	0	1	1	4	0	2	0	0	0	0	0	0	8	1.54
NW	0	0	0	0	1	0	0	0	0	0	0	0	1	1.88
NNW	0	1	1	1	2	0	0	0	0	0	0	0	5	1.39
TOTAL	3	9	3	10	9	7	2	0	0	0	0	0	54	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
PERIODS OF RELEASE ONLY
STABILITY CLASS G (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

12/01/82 TO 12/31/82

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	TOTAL	MEAN SPEED
N	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.45
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	.05	.00	.00	.02	.00	.00	.00	.00	.00	.00	.09	.89
ENE	.09	.17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.57
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.80
SE	.00	.00	.17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.87
SSE	.00	.09	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.17	1.45
S	.00	.00	.00	.00	.00	.26	.00	.00	.00	.00	.00	.00	.26	2.77
SSW	.00	.00	.00	.09	.09	.35	.17	.00	.00	.00	.00	.00	.70	2.57
SW	.00	.17	.17	.26	.09	.09	.00	.00	.00	.00	.00	.00	.79	1.19
WSW	.09	.09	.00	.00	.26	.09	.00	.00	.00	.00	.00	.00	.52	1.42
W	.00	.09	.09	.09	.09	.00	.00	.00	.00	.00	.00	.00	.35	1.08
WNW	.00	.09	.09	.35	.00	.17	.00	.00	.00	.00	.00	.00	.70	1.54
NW	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.09	1.88
NNW	.00	.09	.09	.09	.17	.00	.00	.00	.00	.00	.00	.00	.44	1.39
TOTAL	.26	.79	.79	.87	.79	1.05	.17	.00	.00	.00	.00	.00	4.72	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 1143 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)