

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

| A. | Fission and activation gases | Units | 3rd Quarter | 4th Quarter | Est. Total Error, % |
|-----------------|--|---------|-------------|-------------|---------------------|
| 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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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 | .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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .00 |
| TOTAL | 0 | 0 | 0 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 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) | | | | | | | | | | | | | |

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 | 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 | .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)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 PERIODS OF RELEASE ONLY
 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 | 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 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 6 | 3.03 |
| NNE | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 4 | 3.42 |
| NE | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.30 |
| ENE | 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 | .00 |
| ESE | 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 | .00 |
| SSE | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2.55 |
| S | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1.87 |
| SSW | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 6 | 3.27 |
| SW | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 3.28 |
| WSW | 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 | .00 |
| WNW | 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 | .00 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .00 |
| TOTAL | 0 | 0 | 2 | 3 | 10 | 13 | 0 | 0 | 0 | 0 | 0 | 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 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 | .760-1.00 | 1.01-1.50 | 1.51-2.00 | 2.01-3.00 | 3.01-5.00 | 5.01-7.10 | 7.11-10.00 | 10.01-13.00 | 13.01-18.00 | >18.00 | ROM 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 .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- 1.10 | 1.10- 1.50 | 1.60- 2 | 2.10- 3 | 2.10- 3 | 3.10- 5 | 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 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 2.42 |
| NNE | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3.16 |
| NE | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.50 |
| ENE | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2.25 |
| E | 0 | 0 | 0 | 1 | 0 | 0 | 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 | 0 | 0 | .00 |
| SE | 0 | 0 | 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 | 0 | 0 | .00 |
| S | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1.23 |
| SSW | 1 | 0 | 0 | 2 | 0 | 4 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 2.66 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4.30 |
| WSW | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2.40 |
| W | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2.50 |
| WNW | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.30 |
| NW | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2.22 |
| NNW | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2.15 |
| TOTAL | 1 | 1 | 2 | 8 | 6 | 16 | 9 | 1 | 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 | .760-1.10 | 1.10-1.50 | 1.60-2.10 | 2.10-3.10 | 3.10-5.10 | 5.10-7.10 | 7.10-10.10 | 10.1-13.1 | 13.1-18.0 | >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 | .760-1.10 | 1.10-1.50 | 1.60-2.10 | 2.10-3.10 | 3.10-5.10 | 5.10-7.10 | 7.10-10.10 | 10.1-13.1 | 13.1-18.0 | >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 | .06 | .00 | .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 | .00 | .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 | |

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)

BA: YIMORE 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 0 0 0 2 3 5 4 2 1 0 0 0 0 0 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 | .760-1.10-1.50 | 1.60-2.10-2.50 | 3.10-3.50-4.00 | 5.10-5.50-6.00 | 7.10-7.50-8.00 | 10.1-10.5-11.0 | 13.1-13.5-14.0 | 18.0 | ROW TOTAL | MEAN SPEED |
|----------------|-----------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|-----------|------------|
| N | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| NNE | .00 | .00 | .06 | .00 | .06 | .00 | .00 | .00 | .00 | .00 | .11 | 1.80 |
| NE | .00 | .00 | .06 | .00 | .06 | .00 | .00 | .00 | .00 | .00 | .17 | 1.43 |
| ENE | .00 | .00 | .00 | .11 | .00 | .00 | .00 | .00 | .00 | .00 | .11 | 1.50 |
| E | .00 | .00 | .06 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .06 | 1.10 |
| ESE | .00 | .00 | .00 | .00 | .06 | .00 | .00 | .00 | .00 | .00 | .06 | 1.80 |
| SE | .00 | .00 | .00 | .06 | .00 | .00 | .00 | .00 | .00 | .00 | .06 | 1.40 |
| SSE | .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 |
| SSW | .00 | .00 | .00 | .00 | .00 | .00 | .06 | .00 | .00 | .00 | .06 | 5.90 |
| SW | .00 | .00 | .00 | .00 | .00 | .11 | .00 | .00 | .00 | .00 | .11 | 4.10 |
| WSW | .00 | .00 | .00 | .00 | .00 | .11 | .00 | .00 | .00 | .00 | .11 | 3.60 |
| W | .06 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .06 | .40 |
| WNW | .00 | .00 | .00 | .00 | .00 | .11 | .00 | .00 | .00 | .00 | .11 | 4.95 |
| NW | .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 |
| TOTAL | .06 | .00 | .17 | .22 | .06 | .11 | .34 | .06 | .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 | .760-1.10 | 1.10-1.50 | 1.60-2.20 | 2.10-3.30 | 3.10-5.50 | 5.10-7.10 | 7.10-10.10 | 10.1-13.18 | 13.1-18.0 | >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 | 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 | .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 | .760-1.10-1.50 | 1.60-2.10-2.50 | 2.10-3.10-3.50 | 3.10-5.10-5.50 | 5.10-7.10-7.50 | 7.10-10.1-10.50 | 10.1-13.1-13.50 | 13.1-18.1-18.50 | >18.0 | ROW TOTAL | MEAN SPEED |
|----------------|-----------|-----------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-------|-----------|------------|
| N | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2.90 |
| NNE | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3.00 |
| NE | 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 | .00 |
| E | 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 | 1 | 1.50 |
| SE | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.10 |
| SSE | 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 | .00 |
| SSW | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 3.60 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .00 |
| WSW | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 4.15 |
| W | 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 | .00 |
| NW | 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 | .00 |
| TOTAL | 0 | 0 | 2 | 1 | 1 | 3 | 5 | 1 | 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 | .17 | .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 | 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- 1.10- 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 | 7 | 2.01 |
| NNE | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1.56 |
| NE | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | .97 |
| ENE | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | .90 |
| E | 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 | 1 | 1.60 |
| SE | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2.10 |
| SSE | 1 | 0 | 1 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 7 | 1.46 |
| S | 0 | 1 | 1 | 6 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 23 | 2.06 |
| SSW | 0 | 1 | 2 | 12 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 24 | 1.85 |
| SW | 2 | 1 | 1 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 13 | 1.92 |
| WSW | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 1.50 |
| W | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.50 |
| WNW | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 1.80 |
| NW | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | .80 |
| NNW | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | .90 |

TOTAL 5 3 12 34 13 25 6 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 | .220-.500 | .510-.750 | .760-1.10-1.50 | 1.10-1.50 | 1.60-2.00 | 2.10-3.00 | 3.10-5.00 | 5.10-7.00 | 7.10-10.00 | 10.1-13.0 | 13.1-18.0 | >18.0 | ROW TOTAL | MEAN SPEED |
|----------------|-----------|-----------|-----------|----------------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-------|-----------|------------|
| N | .00 | .00 | .00 | .06 | .06 | .06 | .45 | .11 | .00 | .00 | .00 | .00 | .00 | .67 | 2.72 |
| NNE | .00 | .00 | .11 | .06 | .17 | .00 | .00 | .28 | .00 | .00 | .00 | .00 | .00 | .62 | 2.66 |
| NE | .06 | .00 | .06 | .11 | .06 | .00 | .00 | .06 | .00 | .00 | .00 | .00 | .00 | .34 | 1.87 |
| ENE | .00 | .00 | .00 | .06 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .06 | 1.20 |
| E | .06 | .06 | .00 | .06 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .17 | .83 |
| ESE | .06 | .06 | .11 | .11 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .34 | .93 |
| SE | .00 | .00 | .11 | .06 | .06 | .22 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .45 | 1.82 |
| SSE | .00 | .00 | .17 | .17 | .11 | .17 | .11 | .00 | .00 | .00 | .00 | .00 | .00 | .73 | 1.88 |
| S | .06 | .00 | .17 | .11 | .45 | .51 | .11 | .00 | .00 | .00 | .00 | .00 | .00 | 1.41 | 2.01 |
| SSW | .00 | .00 | .06 | .22 | .28 | .45 | .34 | .00 | .00 | .00 | .00 | .00 | .00 | 1.35 | 2.54 |
| SW | .00 | .06 | .00 | .00 | .00 | .34 | .28 | .00 | .00 | .00 | .00 | .00 | .00 | .67 | 2.87 |
| WSW | .06 | .00 | .17 | .11 | .17 | .17 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .67 | 1.56 |
| W | .06 | .11 | .06 | .28 | .06 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .56 | 1.19 |
| WNW | .00 | .00 | .11 | .06 | .06 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .22 | 1.32 |
| NW | .00 | .00 | .06 | .17 | .06 | .00 | .06 | .00 | .00 | .00 | .00 | .00 | .00 | .34 | 1.97 |
| NNW | .00 | .00 | .11 | .11 | .06 | .00 | .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 | |

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)

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

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 | .22 | .45 | 1.85 | 3.26 | 3.71 | 5.85 | 5.34 | 1.24 | .06 | .00 | .00 | .00 | 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 | 0 | 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 | 3 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 18 | 2.07 |
| SSE | 0 | 0 | 4 | 1 | 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 | 2.42 | 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)

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 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 | 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 | |

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 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 | .96 | .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 | .760-1.10-1.50 | 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 | 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 | 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)