TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 - 9-30-79
STABILITY CLASS: A
ELEVATION:10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

8003180008

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 - 9-30-79
STABILITY CLASS: A
ELEVATION: 45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Periods of calm (hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 + 9-30-79
STABILITY CLASS: B
ELEVATION: 10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 - 9-30-79
STABILITY CLASS: C
ELEVATION:45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 + 9-30-79
STABILITY CLASS: C
ELEVATION:10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 - 9-30-79
STABILITY CLASS: B
ELEVATION:45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 + 9-30-79
STABILITY CLASS: D
ELEVATION: 10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 2 | 5 | 1 | 0 | 0 | 0 | 8 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 → 9-30-79
STABILITY CLASS: D
ELEVATION: 45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 2 | 5 | 0 | 1 | 0 | 0 | 8 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 - 9-30-79
STABILITY CLASS: E
ELEVATION: 10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ENE | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| NNW | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| VARIABLE | 14 | 9 | 1 | 1 | 0 | 0 | 25 |
| | 4 | 2 | 0 | 0 | 0 | 0 | 6 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 + 9-30-79
STABILITY CLASS: E
ELEVATION:45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| WNW | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| VARIABLE | 3 | 15 | 4 | 0 | 1 | 0 | 23 |
| Total | 0 | 4 | 4 | 0 | 0 | 0 | 8 |

Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 - 9-30-79
STABILITY CLASS: F
ELEVATION: 10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| | 1 | 0 | 0 | 0 | 0 | 0 | 1 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7-1-79 - 9-30-79
STABILITY CLASS: F
ELEVATION: 45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level | | | | | | |
|---|---|---|---|---|---|---|---|
| | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| W | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 1 | 2 | 0 | 0 | 0 | 0 | 3 |
| | 0 | 2 | 0 | 0 | 0 | 0 | 2 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 - 9-30-79
STABILITY CLASS: G
ELEVATION: 10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #3

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 7 -1-79 + 9-30-79
STABILITY CLASS: G
ELEVATION:45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level | | | | | | |
|---|---|---|---|---|---|---|---|
| | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 + 12-31-79
STABILITY CLASS: A
ELEVATION:10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 + 12-31-79
STABILITY CLASS: A
ELEVATION:45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 + 12-31-79
STABILITY CLASS: B
ELEVATION:10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level | | | | | | |
|---|---|---|---|---|---|---|---|
| | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 - 12-31-79
STABILITY CLASS: B
ELEVATION:45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Actual
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 + 12-31-79
STABILITY CLASS: C
ELEVATION:10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 - 12-31-79
STABILITY CLASS: C
ELEVATION:45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 → 12-31-79
STABILITY CLASS: D
ELEVATION:10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 7 | 1 | 0 | 0 | 0 | 8 |
| | 0 | 0 | 1 | 0 | 0 | 0 | 1 |

Total
Periods of calm(hours): 0
hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 + 12-31-79
STABILITY CLASS: D
ELEVATION:45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 3 | 1 | 0 | 0 | 0 | 4 |
| VARIABLE | 0 | 3 | 2 | 0 | 0 | 0 | 5 |
| | 0 | 3 | 1 | 0 | 0 | 0 | 4 |

Actual
Periods of calm(hours): 0
hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 + 12-31-79
STABILITY CLASS: E
ELEVATION:10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 5 | 2 | 0 | 0 | 0 | 0 | 7 |
| | 0 | 1 | 0 | 0 | 0 | 0 | 1 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 + 12-31-79
STABILITY CLASS: E
ELEVATION:45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 4 | 3 | 0 | 0 | 0 | 7 |
| | 0 | 0 | 1 | 0 | 0 | 0 | 1 |

Total
Periods of calm(hours): 0
hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 + 12-31-79
STABILITY CLASS: F
ELEVATION:10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 5 | 2 | 0 | 0 | 0 | 0 | 7 |
| | 1 | 1 | 0 | 0 | 0 | 0 | 2 |

Total
Periods of calm(hours): 0
hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 + 12-31-79
STABILITY CLASS: F
ELEVATION:45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 0 | 4 | 3 | 0 | 0 | 0 | 7 |
| | 0 | 1 | 1 | 0 | 0 | 0 | 2 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 - 12-31-79
STABILITY CLASS: G
ELEVATION:10.0m

| Wind Direction | Wind Speed (mph) at 10.0m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIABLE | 4 | 1 | 0 | 0 | 0 | 0 | 5 |
| | 1 | 0 | 0 | 0 | 0 | 0 | 1 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 4A

BATCH RELEASE MODE QUARTER #4

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 10 -1-79 - 12-31-79
STABILITY CLASS: G
ELEVATION:45.7m

| Wind Direction | Wind Speed (mph) at 45.7m level 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | >24 | TOTAL |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| NNW | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| VARIABLE | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | 0 | 0 | 4 | 0 | 0 | 0 | 4 |

Total
Periods of calm(hours): 0
Hours of missing data: 0

TABLE 1A

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1978

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

| | | UNIT | QUARTER #3 | | QUARTER #4 |
|---|---|---|---|---|---|
| A. | Fission & Activation Gases | | | | |
| 1. | Total release | Ci | 7.9 E 02 | | 1.1 E 03 |
| 2. | Average release rate for period | μCi/sec | 9.9 E 01 | | 1.4 E 02 |
| 3. | Percent of Technical Specification limit | % | 5.3 E-03 | | 4.8 E-03 Note (1) |
| 4. | Percent of Technical Specification limit | % | 9.0 E-03 | | 8.6 E-03 Note (2) |
| B. | Iodines | | | | |
| 1. | Total iodine-131 | Ci | 2.6 E-05 | 5.3E-6 | ~~2.4 E-07~~ |
| 2. | Average release rate for period | μCi/sec | 3.3 E-06 | 6.8E-7 | ~~3.0 E-08~~ |
| 3. | Percent of Technical Specification limit | % | 1.0 E-08 | 2.1E-9 | ~~9.1 E-11~~ Note (3) |
| C. | Particulates | | | | |
| 1. | Particulates with half-lives >8 days | Ci | 4.1 E-02 | | 3.2 E-05 |
| 2. | Average release rate for period | μCi/sec | 5.2 E-03 | | 4.1 E-06 |
| 3. | Percent of Technical Specification limit | % | 1.9 E-03 | | 1.6 E-06 Note (3) |
| D. | Tritium | | | | |
| 1. | Total release | Ci | 5.3 E 01 | | 7.3 E 00 |
| 2. | Average release rate for period | μCi/sec | 6.6 E 00 | | 9. 2E-01 |
| 3. | Percent of Technical Specification limit | % | 6.2 E-07 | | 1.2 E-07 |

Notes:

(1) Whole Body Release Rate Limit (<500 mrem/yr)
(2) Extremity Release Rate Limit (<3,000 mrem/yr)
(3) 6.3 mrem/yr Inhalation Dose

DUPE 616 8004310438

TABLE 1B

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1978

GASEOUS EFFLUENTS-ELEVATED RELEASE

| NUCLIDES RELEASED | UNIT | CONTINUOUS MODE QUARTER #3 | CONTINUOUS MODE QUARTER #4 | BATCH MODE QUARTER #3 | BATCH MODE QUARTER #4 |
|---|---|---|---|---|---|
| 1. Fission gases | | | | | |
| Krypton-85 | Ci | 3.1 E 00 | 7.5 E-01 | 8.1 E-01 | 0.0 |
| Krypton-85m | Ci | 0.0 | 0.0 | 2.7 E-02 | 0.0 |
| Krypton-87 | Ci | 0.0 | 0.0 | 6.0 E-04 | 0.0 |
| Krypton-88 | Ci | 0.0 | 0.0 | 1.4 E-02 | 0.0 |
| Xenon-133 | Ci | 5.7 E 02 | 1.8 E 02 | 8.9 E-00 | 5.5 E-01 |
| Xenon-135 | Ci | 4.2 E 01 | 1.2 E 00 | 5.7 E-01 | 4.4 E-04 |
| Xenon-135m | Ci | 0.0 | 0.0 | 0.0 | 0.0 |
| Xenon-138 | Ci | 0.0 | 0.0 | 1.8 E-04 | 0.0 |
| Argon-41 | Ci | 7.4 E 01 | 1.7 E 01 | 5.4 E-03 | 1.6 E-02 |
| Xenon-137 | Ci | 0.0 | 0.0 | 1.3 E-03 | 0.0 |
| Krypton-90 | Ci | 0.0 | 1.6 E-02 | 0.0 | 0.0 |
| Xenon-133m | Ci | 6.0 E-00 | 3.1 E-01 | 1.1 E-01 | 0.0 |
| Krypton-89 | Ci | 0.0 | 0.0 | 0.0 | 0.0 |
| Xenon-131m | Ci | 1.7 E-01 | 0.0 | 1.4 E-01 | 4.9 E-02 |
| Total for period | | 7.1 E 02 | 2.0 E 02 | 1.1 E-01 | 6.2 E-01 |
| 2. Iodines | | | | | |
| Iodine-131 | Ci | 2.6 E-05 | 0.0 ~~5.0 E-06~~ | 0.0 | 5.2 E-06 |
| Iodine-133 | Ci | 2.6 E-07 | 0.0 | 0.0 | 0.0 |
| Total for period | Ci | 2.6 E-05 | 0.0 ~~5.0 E-06~~ | 0.0 | 5.2 E-06 |

TABLE 1C

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1978

GASEOUS EFFLUENTS-GROUND-LEVEL RELEASES

| NUCLIDES RELEASED | UNIT | CONTINUOUS MODE | | BATCH MODE | |
|---|---|---|---|---|---|
| | | QUARTER #3 | QUARTER #4 | QUARTER #3 | QUARTER #4 |
| 1. Fission gases | | | | | |
| Krypton-85 | Ci | 6.4 E-01 | 1.4 E 01 | 8.3 E-03 | 0.0 |
| Krypton-85m | Ci | 0.0 | 0.0 | 6.6 E-04 | 0.0 |
| Krypton-87 | Ci | 0.0 | 0.0 | 1.5 E-05 | 0.0 |
| Krypton-88 | Ci | 0.0 | 0.0 | 3.4 E-04 | 0.0 |
| Xenon-133 | Ci | 2.2 E 01 | 8.2 E 02 | 2.0 E-01 | 2.3 E-02 |
| Xenon-135 | Ci | 2.5 E 00 | 2.6 E 01 | 1.4 E-02 | 7.5 E-05 |
| Xenon-135m | Ci | 0.0 | 0.0 | 0.0 | 0.0 |
| Xenon-138 | Ci | 0.0 | 0.0 | 4.6 E-06 | 0.0 |
| Argon-41 | Ci | 2.3 E 01 | 5.6 E 01 | 1.1 E-04 | 2.3 E-03 |
| Xenon-137 | Ci | 0.0 | 0.0 | 3.4 E-05 | 0.0 |
| Krypton-90 | Ci | 0.0 | 2.6 E-01 | 0.0 | 0.0 |
| Xenon-133m | Ci | 2.1 E 01 | 9.1 E 00 | 2.6 E-03 | 0.0 |
| Krypton-89 | Ci | 0.0 | 0.0 | 0.0 | 0.0 |
| Xenon-131m | Ci | 4.6 E-02 | 0.0 | 3.1 E-03 | 1.6 E-03 |
| Total for period | Ci | 7.0 E 01 | 9.3 E 02 | 2.3 E-01 | 2.7 E-02 |
| 2. Iodines | | | | | |
| Iodine-131 | Ci | 4.5 E-08 | 0.0 ~~4.0 E-08~~ | 0.0 | 5.0 E-08 |
| Iodine-133 | Ci | 2.9 E-10 | 0.0 | 0.0 | 0.0 |
| Total for period | Ci | 4.5 E-08 | 0.0 ~~4.0 E-08~~ | 0.0 | 5.0 E-08 |

TABLE 2A

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1978

LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

| | UNIT | | QUARTER #3 | QUARTER #4 |
|---|---|---|---|---|
| A. Fission & Activation Products | | | | |
| 1. Total release (not including tritium, gases, alpha) | Ci | | 9.0 E-03 | 5.9 E-02 |
| 2. Average diluted concentration during period Note (1) | µCi/ml | | 8.3 E-10 | 5.1 E-09 |
| 3. Percent of applicable limit | % | | 2.2 E-03 | 8.2 E-03 |
| B. Tritium | | | | |
| 1. Total release | Ci | 7.2E02 | ~~7.2 E-02~~ | 4.4 E-02 |
| 2. Average diluted concentration during period Note (1) | µCi/ml | | 6.6 E-05 | 3.8 E-09 |
| 3. Percent of applicable limit | % | | 2.2 E 00 | 1.3 E-04 |
| C. Dissolved and entrained gases | | | | |
| 1. Total release | Ci | | 5.3 E-02 | 7.8 E-03 |
| 2. Average diluted concentration during period Note(1) | µCi/ml | | 4.9 E-09 | 6.8 E-10 |
| 3. Percent of applicable limit | % | | 1.2 E-02 | 1.7 E-03 |
| D. Gross alpha radioactivity | | | | |
| 1. Total release | Ci | | 0.0 | 0.0 |
| E. Volume of waste released (prior to dilution) | liters | | 3.6 E 07 | 5.0 E 07 |
| F. Volume of dilution water used during period Note (1) | liters | | 1.1 E 10 | 1.1 E 10 |

NOTE:

(1) During period of discharge