

UNIT Three Mile Island Unit 1

DATE January 2, 1976

COMPLETED BY L. L. Lawyer

TEL. NO. (215) 929-3661 Ext. 111

DAILY PLANT POWER OUTPUT

MONTH December

| <u>DAY</u> | <u>AVERAGE DAILY MWe-net</u> | <u>DAY</u> | <u>AVERAGE DAILY MWe-net</u> |
|------------|------------------------------|------------|------------------------------|
| 1 | <u>795</u> | 21 | <u>326</u> |
| 2 | <u>801</u> | 22 | <u>538</u> |
| 3 | <u>803</u> | 23 | <u>697</u> |
| 4 | <u>806</u> | 24 | <u>801</u> |
| 5 | <u>807</u> | 25 | <u>802</u> |
| 6 | <u>802</u> | 26 | <u>801</u> |
| 7 | <u>793</u> | 27 | <u>800</u> |
| 8 | <u>806</u> | 28 | <u>801</u> |
| 9 | <u>805</u> | 29 | <u>804</u> |
| 10 | <u>803</u> | 30 | <u>802</u> |
| 11 | <u>805</u> | 31 | <u>802</u> |
| 12 | <u>807</u> | | |
| 13 | <u>805</u> | | |
| 14 | <u>799</u> | | |
| 15 | <u>799</u> | | |
| 16 | <u>759</u> | | |
| 17 | <u>-18</u> | | |
| 18 | <u>-12</u> | | |
| 19 | <u>-13</u> | | |
| 20 | <u>-30</u> | | |

1505 271

7910810 632

UNIT NAME Three Mile Island Unit 1
 DATE January 2, 1976
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 TEL. NO. (215) 929-3601 Ext. 111

OPERATING STATUS

1. REPORTING PERIOD: 0001, 751201 THROUGH 2400, 751231
 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL Mwt 2535 MWe-NET 792 (MAXIMUM DEPENDABLE CAPACITY - MDC)
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): None
4. REASONS FOR RESTRICTIONS (IF ANY): NA

| | THIS MONTH | YR-TO-DATE | CUMULATIVE TO DATE |
|--|----------------|-----------------|-----------------------|
| 5. HOURS REACTOR WAS CRITICAL | <u>645.6</u> | <u>7,429.8</u> | <u>10,012.6</u> |
| 6. REACTOR RESERVE SHUTDOWN HOURS | <u>0</u> | <u>0</u> | <u>0</u> |
| 7. HOURS GENERATOR ON-LINE | <u>637.1</u> | <u>7,200.9</u> | <u>9,760.9</u> |
| 8. UNIT RESERVE SHUTDOWN HOURS | <u>0</u> | <u>0</u> | <u>0</u> |
| 9. GROSS THERMAL POWER GENERATED (MWH) . . . | <u>1564805</u> | <u>17635198</u> | <u>23831600</u> |
| 10. GROSS ELECTRICAL POWER GENERATED (MWH) . | <u>529994</u> | <u>5920744</u> | <u>8030414</u> |
| 11. NET ELECTRICAL POWER GENERATED (MWH) . . . | <u>496761</u> | <u>5541523</u> | <u>7519335</u> |
| 12. REACTOR AVAILABILITY FACTOR (1) | <u>86.8%</u> * | <u>84.8%</u> * | <u>85.8%</u> * |
| 13. UNIT AVAILABILITY FACTOR (2) | <u>85.6%</u> | <u>82.2%</u> | <u>83.7%</u> |
| 14. UNIT CAPACITY FACTOR (3) | <u>84.3%</u> | <u>79.9%</u> | <u>81.4%</u> |
| 15. FORCED OUTAGE RATE (4) | <u>14.4%</u> | <u>11.4%</u> | <u>9.4%</u> |

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):
Refueling, February 14, 1976; 8 weeks

17. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: NA
18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): NOT APPLICABLE

- (1) REACTOR AVAILABILITY FACTOR = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$
- (2) UNIT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$
- (3) UNIT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MDC (Mw - net)} \times \text{GROSS HOURS IN REPORTING PERIOD}} \times 100$
- (4) FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

* Completed in accordance with new definition of proposed Reg. Guide 1.16, Rev. 4
 (Dated August, 1975)

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SUMMARY: The plant was at essentially full power from the beginning of the month until 12/16/75 at 2325 when the plant was manually shutdown to repair make-up valve MU-V94. The reactor was taken critical at 0215 on 11/21/75 and the turbine was on line at 0738 on the same day. While returning to full power on 11/22/75 at 1418 the switch was actuated to test the flood valve for the Main Turbine Generator Deluge System causing the Turbo-Generator System to trip. Although the Deluge System's flood valves were manually closed it was overlooked that the system's actuation switch also trips the Turbo-Generator System. Test procedures were revised to prevent similar occurrences in the future. Later that day at 1700, the turbine was brought back on line and power escalation continued. The plant reached fullpower on 11/23/75 at 1900 and remained at full power for the remainder of the month.

REPORT MONTH December

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| NO. | DATE | TYPE F-FORCED S-SCHEDULED | DURATION (HOURS) | REASON (1) | METHOD OF SHUTTING DOWN THE REACTOR (2) | COMMENTS |
|-----|----------|---------------------------------|---------------------|------------|---|--|
| 18 | 12-16-75 | F | 104.2 | (A) | (A) | Repair Make-up Valve MU-V-94 |
| 19 | 12-22-75 | F | 2.7 | (G) | (NA) | Turbo-Gen. trip while testing the Deluge System. (Fire Services) The reactor remained critical. |

(1) REASON:
 A-EQUIPMENT FAILURE (EXPLAIN)
 B-MAINT. OR TEST
 C-REFUELING
 D-REGULATORY RESTRICTION
 E-OPERATOR TRAINING AND
 LICENSE EXAMINATION
 F-ADMINISTRATIVE
 G-OPERATIONAL ERROR
 (EXPLAIN)
 H-OTHER

(2) METHOD:
 A-MANUAL
 B-MANUAL SCRAM
 C-AUTOMATIC SCRAM