

UNIT Three Mile Island - Unit 1

DATE 5/8/75

COMPLETED BY L. L. Lawyer

TEL. NO. 929-3601 Ext. 567

DAILY PLANT POWER OUTPUT

MONTH April, 1975

<u>DAY</u>	<u>AVERAGE DAILY MWe-net *</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net *</u>
1	<u>722</u>	21	<u>806</u>
2	<u>801</u>	22	<u>808</u>
3	<u>801</u>	23	<u>800</u>
4	<u>807</u>	24	<u>798</u>
5	<u>481</u>	25	<u>796</u>
6	<u>-16</u>	26	<u>802</u>
7	<u>-13</u>	27	<u>803</u>
8	<u>-17</u>	28	<u>801</u>
9	<u>-38</u>	29	<u>800</u>
10	<u>-23</u>	30	<u>798</u>
11	<u>-12</u>	31	<u> </u>
12	<u>-16</u>		
13	<u>-37</u>		
14	<u>36</u>		
15	<u>618</u>		
16	<u>735</u>		
17	<u>801</u>		
18	<u>803</u>		
19	<u>796</u>		
20	<u>804</u>		

*Average MWe greater than 792 due to winter operating condition

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OPERATING STATUS

1. REPORTING PERIOD: 0001,750401 THROUGH 2400,750430
 GROSS HOURS IN REPORTING PERIOD: 720
2. CURRENTLY AUTHORIZED POWER LEVEL MWe 2535 MWe-NET 792 (MAXIMUM DEPENDABLE CAPACITY - MDC)
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): None
4. REASONS FOR RESTRICTIONS (IF ANY): None

	THIS MONTH	YR-TO-DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL	518.7	2672.0	5254.8
6. REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7. HOURS GENERATOR ON-LINE	506.3	2611.4	5171.4
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL POWER GENERATED (MWH) . . .	1,232,010	6,462,793	12,659,195
10. GROSS ELECTRICAL POWER GENERATED (MWH) . . .	414,560	2,206,661	4,316,331
11. NET ELECTRICAL POWER GENERATED (MWH) . . .	385,084	2,072,362	4,050,174
12. REACTOR AVAILABILITY FACTOR (1)	72.0%	92.8%	90.9%
13. UNIT AVAILABILITY FACTOR (2)	70.3%	90.7%	89.4%
14. UNIT CAPACITY FACTOR (3)	67.5%	90.9%	88.4%
15. FORCED OUTAGE RATE (4)	29.7%	9.3%	6.6%

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):
 June, 1975 - 11 days
 May 31 to June 10
 Control Rod Interchange

17. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: Not Applicable
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 = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MDC (MWe - net)} \times \text{GROSS HOURS IN REPORTING PERIOD}} \times 100$
4. FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

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SUMMARY: On 4/1/75 the Unit was still in the process of returning to full power operation after the turbine trip in March. The Unit then operated in full power for approximately 3.5 days until Rod 6 in control rod group 4 dropped into the core. Unit cooldown was required to fix the failure. On 4/9/75 an attempt was made to take the reactor critical but Rod 7 in control rod group 5 could not be withdrawn. The Unit had to be cooled down again to replace Group 5 Rod 7 stator. On 4/14/75 the Unit was returned to service and remained at full power for the remainder of the month.

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REPORT MONTH April, 1975

PLANT SHUTDOWNS

No.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
3	4/5/75	F	213.7	A	A	Control Rod 6 in Group 4 dropped into the core due to a faulty cable connector located on the reactor vessel head near the Stator. The rod could not be withdrawn so the plant was shutdown. (Nuclear Equipment)

(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

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