

UNIT Three Mile Island Unit-1

DATE 9/09/74

COMPLETED BY L. L. Lawyer

DAILY PLANT POWER OUTPUT

MONTH August, 1974

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>346</u>	21	<u>-16</u>
2	<u>583</u>	22	<u>-37</u>
3	<u>631</u>	23	<u>-20</u>
4	<u>231</u>	24	<u>473</u>
5	<u>652</u>	25	<u>670</u>
6	<u>717</u>	26	<u>627</u>
7	<u>739</u>	27	<u>-27</u>
8	<u>741</u>	28	<u>-17</u>
9	<u>783</u>	29	<u>423</u>
10	<u>464</u>	30	<u>312</u>
11	<u>452</u>	31	<u>- 7</u>
12	<u>639</u>		
13	<u>352</u>		
14	<u>-12</u>		
15	<u>- 5</u>		
16	<u>- 5</u>		1505 232
17	<u>- 5</u>		
18	<u>- 7</u>		
19	<u>-11</u>		
20	<u>-15</u>		

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OPERATING STATUS

- 1. REPORTING PERIOD: 0001, 740801 TO 2400, 740831  
GROSS HOURS IN REPORTING PERIOD: 744
- 2. CURRENTLY AUTHORIZED POWER LEVEL MWe 2535 MWe-NET 792
- 3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): None
- 4. REASONS FOR RESTRICTIONS (IF ANY):  
Not Applicable

	THIS MONTH	YR-TO-DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL . . . . .	<u>450.9</u>	<u>1,473.2</u>	<u>1,473.2</u>
6. HOURS GENERATOR ON-LINE . . . . .	<u>409.6</u>	<u>1,066.1</u>	<u>1,066.1</u>
7. GROSS THERMAL POWER GENERATED (MWH) . . . . .	<u>786,661</u>	<u>1,677,587</u>	<u>1,677,587</u>
8. GROSS ELECTRICAL POWER GENERATED (MWH) . . . . .	<u>258,195</u>	<u>529,964</u>	<u>529,964</u>
9. NET ELECTRICAL POWER GENERATED (MWH) . . . . .	<u>231,545</u>	<u>457,797</u>	<u>457,797</u>
10. REACTOR AVAILABILITY FACTOR (1) . . . . .	<u>60.6%</u>	<u>70.5%</u>	<u>70.5%</u>
11. PLANT AVAILABILITY FACTOR (2) . . . . .	<u>55.0%</u>	<u>51.0%</u>	<u>51.0%</u>
12. PLANT CAPACITY FACTOR (3) . . . . .	<u>39.2%</u>	<u>27.7%</u>	<u>27.7%</u>
13. FORCED OUTAGE RATE (4) . . . . .	<u>12.2%</u>	<u>20.6%</u>	<u>20.6%</u>

14. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):  
None

15. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

16. PLANTS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED	REASON FOR DIFFERENCE
INITIAL CRITICALITY	<u>5/74</u>	<u>6/74</u>	<u>Schedule Slippage</u>
INITIAL ELECTRICAL POWER GENERATION	<u>6/74</u>	<u>6/74</u>	<u>N/A</u>
COMMERCIAL OPERATION	<u>10/74</u>	<u>N/A</u>	<u>N/A</u>

- (1) REACTOR AVAILABILITY FACTOR =  $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} * 100$
- (2) PLANT AVAILABILITY FACTOR =  $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} * 100$
- (3) PLANT CAPACITY FACTOR =  $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{AUTH. MWe (NET)}} * \text{GROSS HOURS IN REPORTING PERIOD} * 100$
- (4) FORCED OUTAGE RATE =  $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE} + \text{FORCED OUTAGE HOURS}} * 100$

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SUMMARY:

The Power Escalation Testing Program continued in August with the completion of all tests at 76% power and 100% power. The plant was shut down on August 13 to perform scheduled maintenance prior to Commercial Operation.

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PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
70	8/03/74	F	7.5	G	C	Reactor tripped on power/imbalance/flow. Reactor power level increased to imbalance/power trip setpoint while attempting to raise $T_{ave}$ .
71	8/13/74	S	236	B	C	Reactor tripped on high pressure after generator trip from 100% full power as part of test program. Commenced scheduled outage to remove screens from turbine and feed pumps steam lines.
72	8/26/74	F	38.8	A	A	Shutdown to repair leaks on steam and feed lines. (Non-Nuclear)
73	8/30/74	F	10.8	A,G	C	Turbine tripped on high vibration #11 bearing. Operator placed feedwater demand in manual and reactor tripped on variable temperature-pressure. (Non-Nuclear)
74	8/31/74	S	.3	E	A	Operator Training.
75	8/31/74	S	.2	E	A	Operator Training.

(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)

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

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PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
76	8/31/74	S	.3	E	A	Operator Training

(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)

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

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