UNIT Three Mile Island

DATE June 8, 1976

COMPLETED BY L. L. Lawyer

TEL. NO. 215-929-3601

DAILY PLANT POWER OUTPUT

MONTH MAY

DAY	AVERAGE DAILY MWe-net	DAY	AVERAGE DAILY MWe-net
1	- 9	21	-39
2	-12	22	-41
3	-11	23	-42
4	-10	24	-42
5	-11	25	-42
6	-11	26	-25
7	-11	27	141
8	-13	28	265
9	-15	29	492
10	-15	30	592
11	-15	31	625
12	-14		
13	-13		
14	-14		
15	-13		
16	-14		
17	-22		
18	-27		
19	-27		

1505 261

7910810 628

SUMMARY:

UNIT NAME Three Mile Island - Unit 1

DATE June 8, 1976

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TEL. NO. 929-3601 Ext. 111

REPORT MONTH MAY

PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
2	2/20/76	S	620.8	C	A	Completion of Refueling
3	5/27/76	F	7	G	C	During power escalation nuclear instrumentation indicated power was 46% while actual power, as calculated by a reactor heat balance, was 25%. Nuclear Instrumentation power range channel NI-6 was calibrated to 25% power while power range channel NI-5 was controlling Integrated Control System's (ICS) functions. After NI-6 calibration was completed, ICS control was switched from NI-5 to NI-6 prior to changing the control rod drive system control to the manual position. Since demand was at 46% before the switch, the ICS system "saw" that reactor power had dropped lower than demand (i.e. 25% vs. 46%) and started pulling control rods to increase power. Reactor Protection System (RPS) channels A&C tripped on overpower at 50% power (RPS trip setpoints had been set to 50% power for reactor physics tests purposes).

(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

1505 261

UNIT NAME Three Mile Island

DATE June 8, 1976

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O P E R A T I N G S T A T U S

1. REPORTING PERIOD: 0001, 760501 THROUGH 2400, 760531

   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	184.6	1369.7	11382.3
6. REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7. HOURS GENERATOR ON-LINE	116.2	1293.7	11054.6
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL POWER GENERATED (MWH)	176,436	3,087,021	26,918,621
10. GROSS ELECTRICAL POWER GENERATED (MWH)	56,570	1,040,794	9,071,208
11. NET ELECTRICAL POWER GENERATED (MWH)	37,825	953,372	8,472,907
12. REACTOR AVAILABILITY FACTOR (1)	24.8	37.6	74.3
13. UNIT AVAILABILITY FACTOR (2)	15.6	35.5	72.2
14. UNIT CAPACITY FACTOR (3)	6.4	33.0	69.9
15. FORCED OUTAGE RATE (4)	5.7	3.9	8.8

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

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 = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} * 100$

(2) UNIT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} * 100$

(3) UNIT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MDC (MWe - net) * GROSS HOURS IN REPORTING PERIOD}}$

(4) FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE + FORCED OUTAGE HOURS}} * 100$