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July 16, 1990
C311-90-2103

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Dear Sir:

Three Mile Island Nuclear Station, Unit I (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Monthly Operating Report
June 1990

Enclosed are two copies of the June, 1990 Monthly Operating Report for Three Mile Island Nuclear Station, Unit 1.

Sincerely,

H. D. Rukill

Vice President & Director, TMI-1

HDH/WGH:

cc: T. T. Martin, USNRC
F. Young, USNRC
Attachments

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OPERATIONS SUMMARY
JUNE 1990

The unit entered the month operating at 94.5% power (limited by high OTSG level) producing approximately 825 MWe gross electrical generation. A ΔT_c of -4.5°F was input to compensate for the high level on the "B" OTSG. The plant remained at 94.5% power until June 22, 1990. On the 22nd, an approved procedure was performed to determine if the unit could achieve 100% power without flooding the downcomer feedwater preheating region. The unit achieved 100% reactor power with ΔT_c first adjusted to 0°F and then to $+4^\circ\text{F}$ without significant affect on downcomer temperature. OTSG levels were 86% on the "A" OTSG and 99% on the "B" OTSG when the reactor reached 100% power. Upon completion of the procedure, the previous plant ΔT_c and OTSG level limits were reestablished. The unit closed the month at 93.2% power producing approximately 790 MWe gross electrical generation.

MAJOR SAFETY RELATED MAINTENANCE

During June, the following major safety related maintenance activities were performed:

Motor Operated Valve Testing

Static testing of eighteen of the unit's motor operated valves, which included eight valves in the TMI-1 Generic Letter 89-10 program, was satisfactorily completed.

OPERATING DATA REPORT

DOCKET NO. 50-289
 DATE 06-30-90
 COMPLETED BY W.G. Heysek
 TELEPHONE (717) 948-8191

OPERATING STATUS

	NOTES
1. UNIT NAME: THREE MILE ISLAND UNIT 1	
2. REPORTING PERIOD: JUNE, 1990.	
3. LICENSED THERMAL POWER (MWT): 2568.	
4. NAMEPLATE RATING (GROSS MWE): 871.	
5. DESIGN ELECTRICAL RATING (NET MWE): 819.	
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 856.	
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 808.	

8. IF CHANGES OCCUR IN (ITEMS 3-7) SINCE LAST REPORT, GIVE REASONS:

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE)

10. REASONS FOR RESTRICTIONS, IF ANY:

	THIS MONTH	YR-TO-DATE	CUMMULATIVE
11. HOURS IN REPORTING PERIOD	720.	4343.	138744.
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	2748.6	64747.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	242.8	2245.6
14. HOURS GENERATOR ON-LINE	720.0	2706.6	63702.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1738022.	6342549.	155914443.
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	579446.	2147527.	52454196.
18. NET ELECTRICAL ENERGY GENERATED (MWH)	545986.	2001203.	49187692.
19. UNIT SERVICE FACTOR	100.0	62.3	45.9
20. UNIT AVAILABILITY FACTOR	100.0	62.3	45.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	93.9	57.0	45.2
22. UNIT CAPACITY FACTOR (USING DER NET)	92.6	56.3	43.3
23. UNIT FORCED OUTAGE RATE	0.0	8.1	48.8

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-289
UNIT TMI-1
DATE 06-30-90
COMPLETED BY W.G. Heysek
TELEPHONE (717) 948-8191

MONTH: JUNE

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	769.
2	762.
3	757.
4	766.
5	774.
6	764.
7	761.
8	763.
9	757.
10	759.
11	766.
12	768.
13	766.
14	758.
15	763.
16	757.

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
17	754.
18	752.
19	753.
20	758.
21	753.
22	762.
23	756.
24	760.
25	762.
26	755.
27	747.
28	747.
29	741.
30	739.
31	N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-289
 UNIT NAME TMI-1
 DATE 06-30-90
 COMPLETED BY W. G. HEYSEK
 TELEPHONE (717) 948-8191

REPORT MONTH JUNE 1990

No.	Date	Type ¹ Duration (Hours)	Reason ²	Method of Shutting Down ³ Reactor	Licensee Event Report#	System Code & %	Component Code & %	Cause & Corrective Action to Prevent Recurrence
					- NONE -			

- 1 F Forced
S Scheduled
- 2 Reason
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & Licensing Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)
- 3 Method
1-Manual
2-Manual Scram
3-Automatic Scram
4-Other (Explain)
- 4 Exhibit G - Instructions
for Preparation of Data
Entry Sheets for Licensee
Event Report (LER) File (NUREG-0161)
- 5 Exhibit 1 Same Source
- 6 Actually used Exhibits F & II NUREG 0161

REFUELING INFORMATION REQUEST

1. Name of Facility: **Three Mile Island Nuclear Station, Unit 1**
2. Scheduled date for next refueling shutdown: **October 4, 1991 (9R)**
3. Scheduled date for restart following current refueling: **NA**
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
If answer is yes, in general, what will these be?

If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (Ref. 1-0 CFR Section 50.59)? **No.**

If no such review has taken place, when is it scheduled? **Completed.**
5. Scheduled date(s) for submitting proposed licensing action and supporting information: **None planned.**
6. Important licensing considerations associated with refueling, e.g. new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures: **None.**
7. The number of fuel assemblies (a) in the core, and (b) in the spent fuel storage pool: (a) **177** (b) **441**
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies:

The present licensed capacity is 752. Planning to increase licensed capacity through fuel pool reracking is in process.
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:

1991 is the last refueling discharge which allows full core off-load capacity (177 fuel assemblies).