

OPERATIONS SUMMARY  
APRIL 1988

The unit entered April at 100% power. The plant continued 100% power operation for the entire month.

MAJOR SAFETY RELATED MAINTENANCE

During the month of April, TMI Unit 1 performed the following major maintenance on safety-related equipment:

Nuclear Service Closed - Cooling Pump NS-P-1C - Nuclear Service Closed Cooling Water Pump NS-P-1C was removed from service because of increased vibration. The motor/pump was uncoupled and the rotating assembly was removed from the casing. All parts were cleaned and inspected. New bearings were installed and the rotating assembly was reassembled. A new mechanical seal was installed and the rotating assembly was reinstalled in the pump casing. The motor/pump then was aligned and coupled. The pump was tested satisfactorily and returned to service.

Nuclear Service Closed - Cooling Valve NS-V-10C - Nuclear Service Closed Cooling Water Valve NS-V-10C (NS-P-1C discharge check valve) was opened for inspection and modification during the NS-P-1C overhaul. The valve internals were removed and inspected. A mechanical stop was welded to the valve cover to eliminate excessive movement and wear of internals. The valve was reassembled and tested satisfactory during the NS-P-1C retest.

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OPERATING DATA REPORT

DOCKET NO. 50-289  
 DATE 04-30-88  
 COMPLETED BY C.W. Smyth  
 TELEPHONE (717) 948-8551

OPERATING STATUS

1. UNIT NAME: THREE MILE ISLAND UNIT 1
2. REPORTING PERIOD: APRIL , 1988.
3. LICENSED THERMAL POWER (MWT): 2535.
4. NAMEPLATE RATING (GROSS MWE): 871.
5. DESIGN ELECTRICAL RATING (NET MWE): 819.
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 824.
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 776.

NOTES

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

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

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10. REASONS FOR RESTRICTIONS, IF ANY:

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	THIS MONTH	YR-TO-DATE	CUMMULATIVE
11. HOURS IN REPORTING PERIOD	719.	2903.	119760.
12. NUMBER OF HOURS REACTOR WAS CRITICAL	719.0	2841.4	49361.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	61.6	1947.7
14. HOURS GENERATOR ON-LINE	719.0	2839.4	48439.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1819116	7160868	117648568
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	625079	2467220	39335441
18. NET ELECTRICAL ENERGY GENERATED (MWH)	590968	2330095	36834377
19. UNIT SERVICE FACTOR	100.0	97.8	40.4
20. UNIT AVAILABILITY FACTOR	100.0	97.8	40.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	105.9	103.4	39.4
22. UNIT CAPACITY FACTOR (USING DER NET)	100.4	98.0	37.6
23. UNIT FORCED OUTAGE RATE	0.0	2.2	55.2

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH  
Refueling Shutdown, June 17, 1988 for 64 Days

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

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-289  
UNIT TMI-1  
DATE 04-30-88  
COMPLETED BY C.W. Smyth  
TELEPHONE (717) 948-8551

MONTH: APRIL

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	817.
2	818.
3	818.
4	809.
5	813.
6	815.
7	823.
8	821.
9	822.
10	822.
11	821.
12	822.
13	821.
14	821.
15	819.
16	822.

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
17	817.
18	817.
19	828.
20	829.
21	826.
22	830.
23	829.
24	826.
25	825.
26	824.
27	822.
28	827.
29	828.
30	826.
31	N/A

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

REPORT MONTH APRIL

DOCKET NO. 50-289  
 UNIT NAME TMI-I  
 DATE 04-30-88  
 COMPLETED BY C.W. Smyth  
 TELEPHONE (717) 948-8551

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup> & 6	Component Code <sup>5</sup> & 6	Cause & Corrective Action to Prevent Recurrence
						- NONE -			

<sup>1</sup>  
 F - Forced  
 S - Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup>  
 Exhibit I - Same Source

<sup>6</sup>  
 Actually used Exhibits F & H NUREG 0161

REFUELING INFORMATION REQUEST

1. Name of Facility: Three Mile Island Nuclear Station, Unit 1
2. Scheduled date for next refueling shutdown: June 17, 1988 (7R)
3. Scheduled date for restart following refueling: August 19, 1988
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes

If answer is yes, in general, what will these be?

Basic Refueling Report.

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. 10 CFR Section 50.59)?

If no such review has taken place, when is it scheduled?  
To be determined.

5. Scheduled date(s) for submitting proposed licensing action and supporting information: April 5, 1988 (TSCR 182 Cycle 7 Reload).
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) 284
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. There are no planned increases at this time.
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).



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Writer's Direct Dial Number:

May 16, 1988  
C311-88-2067

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  
April 1988

Enclosed please find two (2) copies of the April 1988 Monthly Operating Report for Three Mile Island Nuclear Station, Unit 1.

Sincerely,

*J. J. Colitz for H. D. Hukill*  
H. D. Hukill  
Vice President & Director, TMI-1

HDH/SMO:spb

cc: W. Russell, USNRC  
R. Conte, USNRC

Attachments

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