

OPERATIONS SUMMARY
AUGUST 1988

The unit entered August in refueling shutdown with the RCS partially drained down on 'A' Decay Heat Removal. The plenum and Reactor Vessel head were reinstalled August 1. During the first week of August, preparations were made to startup the secondary plant by placing the circ water system in service. The RCS was filled and pressurized. All RCP's were run and the condensate system and gland seal were established during the second week of August.

On August 12, plant heatup commenced. During ICS testing at hot shutdown, all 4 RCP's tripped resulting in an EFW actuation. When the pumps were restarted, the RCP's tripped, inserting the withdrawn safety rods. This event is detailed in LER 88-004.

Criticality was achieved on August 14. Low power physics testing was conducted. Torsional resonance testing of the main turbine generator was completed with no modifications necessary. The generator was placed on line and plant power was escalated to 100% (2568 MWt). The unit closed the month operating at 100% power.

MAJOR SAFETY RELATED MAINTENANCE

During August, the following major maintenance activities were performed on safety-related equipment:

Once Through Steam Generators RC-H-1 A/B - Once Through Steam Generator (OTSG) work was completed in August. Work accomplished included restoring secondary side instrumentation, reinstalling manway/handhole insulation and removal of work platforms and scaffolds.

Reactor Vessel Head Work - Reactor refueling support work activities were completed in August. Work accomplished included removal of the fuel transfer canal seal plate, plenum installation, reactor head installation, and recoupling of the APSR/CRDM's.

Pressurizer Code Safety Valve RC-RV-1B - Pressurizer Code Safety Valve RC-RV-1B work was completed in August. The valve in the RC-RV-1B position was sent to Wyle Labs for inspection. During an inspection of the inlet flange to the valve (pressurizer side), an indication was found that required repairs. After the indication was repaired, a spare tested valve was installed in the RC-RV-1B position.

Local Leak Rate Testing - Local Leak Rate Testing of valves and penetrations was completed during the month. All 95 scheduled tests were completed during the outage.

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OPERATING DATA REPORT

DOCKET NO. 50-289
 DATE 08/31/88
 COMPLETED BY C. W. SMYTH
 TELEPHONE (717) 948-8551

OPERATING STATUS

	NOTES
1. UNIT NAME: THREE MILE ISLAND UNIT 1	
2. REPORTING PERIOD: AUGUST, 1988	
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): 824	
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 776	

8. IF CHANGES OCCUR IN (ITEMS 3-7) SINCE LAST REPORT, GIVE REASONS:
 LICENSED THERMAL POWER INCREASED FROM 2535 TO 2568 MWT PER LICENSE AMENDMENT NO. 143.

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	744.	5855.	122712.
12. NUMBER OF HOURS REACTOR WAS CRITICAL	417.7	4409.2	50929.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	61.6	1947.7
14. HOURS GENERATOR ON-LINE	365.5	4354.4	49954.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	881954.	10946107.	121433807.
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	299762.	3754265.	40622486.
18. NET ELECTRICAL ENERGY GENERATED (MWH)	275009.	3536039.	38040321.
19. UNIT SERVICE FACTOR	49.1	74.4	40.7
20. UNIT AVAILABILITY FACTOR	49.1	74.4	40.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	47.6	77.8	39.7
22. UNIT CAPACITY FACTOR (USING DER NET)	45.1	73.7	37.9
23. UNIT FORCED OUTAGE RATE	0.0	1.4	54.4

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 08/31/88
 COMPLETED BY C. W. SMYTH
 TELEPHONE (717) 948-8551

MONTH: AUGUST

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	-5.	17	511.
2	-6.	18	602.
3	-6.	19	726.
4	-10.	20	828.
5	-12.	21	825.
6	-13.	22	830.
7	-13.	23	829.
8	-13.	24	823.
9	-17.	25	822.
10	-17.	26	823.
11	-19.	27	819.
12	-36.	28	815.
13	-40.	29	824.
14	-42.	30	833.
15	-42.	31	835.
16	1.		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH AUGUST 1988

DOCKET NO. 50-289
 UNIT NAME TMI-1
 DATE 08-31-88
 COMPLETED BY C.W. Smyth
 TELEPHONE (717) 948-8551

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴ & 6	Component Code ⁵ & 6	Cause & Corrective Action to Prevent Recurrence
1	08/01/88	S	378.5	C	1				Unit shutdown for Refueling Outage. Outage commenced 6-17-88. Total number of outage hours as of this report period is 1437.

¹
 F - Forced
 S - Scheduled

²
 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)

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 I - Same Source

⁶
 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: January 5, 1990 (8R)
3. Scheduled date for restart following refueling: March 1, 1990 (8R)
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.

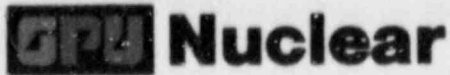
If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (Ref. 10 CFR Section 50.59)?

If no such review has taken place, when is it scheduled?

5. Scheduled date(s) for submitting proposed licensing action and supporting information: October 1, 1989 (estimate).
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) 360
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. Preliminary 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).



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TELEX 84-2386
Writer's Direct Dial Number:

September 15, 1988
C311-88-2124

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
August 1988

Enclosed are two copies of the August 1988 Monthly Operating Report for Three Mile Island Nuclear Station, Unit 1.

Sincerely,

H. D. Hukill
Vice President & Director, TMI-1

HDH/SMD:spb

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

Attachments

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