

OPERATING DATA REPORT

DOCKET NO. 50-289
 DATE March 15, 1984
 COMPLETED BY C. W. Smyth
 TELEPHONE 717) 948-8551

OPERATING STATUS

		NOTES
1. UNIT NAME:	THREE MILE ISLAND UNIT 1	
2. REPORTING PERIOD:	FEBRUARY ,1984.	
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.	

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	696.	1440.	83233.
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	0.0	31731.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	838.5
14. HOURS GENERATOR ON-LINE	0.0	0.0	31180.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0.	0.	76531071.
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.	0.	25484330.
18. NET ELECTRICAL ENERGY GENERATED (MWH)	0.	0.	23840053.
19. UNIT SERVICE FACTOR	0.0	0.0	37.5
20. UNIT AVAILABILITY FACTOR	0.0	0.0	37.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	36.6
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	35.0
23. UNIT FORCED OUTAGE RATE	100.0	100.0	59.0

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:

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 PDR ADOCK 05000289
 R PDR

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-289
UNIT TMI-1
DATE March 15, 1984
COMPLETED BY C. W. Smyth
TELEPHONE (717) 948-8551

MONTH: FEBRUARY

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0.	17	0.
2	0.	18	0.
3	0.	19	0.
4	0.	20	0.
5	0.	21	0.
6	0.	22	0.
7	0.	23	0.
8	0.	24	0.
9	0.	25	0.
10	0.	26	0.
11	0.	27	0.
12	0.	28	0.
13	0.	29	0.
14	0.	30	N/A
15	0.	31	N/A
16	0.		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1984

DOCKET NO. 50-289
 UNIT NAME TMI-I
 DATE March 15 1984
 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	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
1	84/02/01	F	744	D	1	N/A	ZZ	ZZZZZZ	Regulatory Restraint Order

¹
 F: Forced
 S: Scheduled

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

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 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

⁴
 Exhibit C - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

⁵
 Exhibit I - Same Source

OPERATING SUMMARY

The unit was shutdown the entire month by order of the NRC. Core cooling was provided by the Decay Heat Removal System. The primary has been depressurized and temperature has been maintained at about 130°F. The secondary plant has been in full wet layup. Vacuum was maintained on the secondary the first week of the month. The Reactor Coolant System was partially drained to between 11 and 18 inches above the cold leg center line to prepare for repairs to Reactor Coolant Pump 1B.

MAJOR SAFETY RELATED MAINTENANCE

Reactor Coolant Pump (RCP-1B)

Because of high vibrations, RCP-1B was removed from service in the previous month. After a thorough review and analysis of the pump and motor, it appears probable that the pump shaft is cracked. The pump shaft and impeller will be replaced from spares in the warehouse. The motor to pump spool piece was removed and alignment checks were performed and ultrasonic inspections of the pump shaft were taken. These inspections resulted in the decision to disassemble the pump. Structural interferences to motor and pump internals removal were removed, motor electrical leads were lifted and the motor was removed and placed on its storage stand. Motor preventive maintenance is in progress while the pump is being disassembled. This work will continue into March.

The cause of high vibration is still unknown. Depending on the outcome of the inspections of RCP-1B, the three remaining pumps will be inspected as necessary.

Seal Injection Filter (MU-F4A/B) Repairs

Repair to MU-F4A/B, reported last month were completed during February. The closure plug seating surfaces were filled with belzona compound in order to stop closure plug leaks. Post repair testing was performed satisfactorily.

Local Leak Rate Testing

CM-V1, 2, 3, and 4 and CA-V4A/B were satisfactorily leak tested. This test program will continue during March.

Nuclear Service Closed Cooling Pump NS-P1B

Overhaul of NS-P1B was performed because of noise and high vibration. The cause was determined to be the worn bearings. The bearings were replaced, the pump was re-assembled and aligned. Pump monitoring is now in progress.

Core Flood Valves CF-V1B and CF-V4B

Because of suspected pressure seal gasket leaks, CF-V1B and 4B were disassembled and inspected. Pit marks were found on CF-V1B and were removed. The valves were re-assembled. Testing will be performed during March.

REFUELING INFORMATION REQUEST

1. Name of Facility:

Three Mile Island Nuclear Station, Unit 1

2. Scheduled date for next refueling shutdown:

Unknown

3. Scheduled date for restart following refueling:

Unknown

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. 10 CFR Section 50.59)?

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

Amendment No. 50, Cycle 5 reload, was approved on 3-16-79.

5. Scheduled date(s) for submitting proposed licensing action and supporting information:

N/A

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:

N/A

7. The number of fuel assemblies (a) in the core, and (b) in the spent fuel storage pool:

(a) 177

(b) 208

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:

1988 is the last refueling discharge which allows full core off-load capacity (177 fuel assemblies).



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Writer's Direct Dial Number:

March 15, 1984
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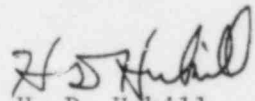
Office of Management Information
and Program Control
Attn: W. C. McDonald
c/o Distribution Services Branch DPC, ADM
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Sir:

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

Enclosed please find two (2) copies of the February Operating Report for
Three Mile Island Nuclear Station, Unit I.

Sincerely,


H. D. Hukill,
Director, TMI-1

HDH;mle
Attachments

cc: V. Stello
Dr. T. E. Murley

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