

OPERATING DATA REPORT

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

OPERATING STATUS

NOTES

1. UNIT NAME: THREE MILE ISLAND UNIT 1
2. REPORTING PERIOD: MARCH, 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	744.	2184.	83977.
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	37.1
20. UNIT AVAILABILITY FACTOR	0.0	0.0	37.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	36.3
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	34.7
23. UNIT FORCED OUTAGE RATE	100.0	100.0	59.4

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

8404230065 840331
PDR ADOCK 05000289
R PDR

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 March 15, 1984
 COMPLETED BY C.W. Smyth
 TELEPHONE 948-8551

MONTH: MARCH

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	0.
15	0.	31	0.
16	0.		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1984DOCKET NO. 50-289UNIT NAME TMI-IDATE March 15, 1984COMPLETED BY C.W. SmythTELEPHONE (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	84-03-01	F		D	1	N/A	ZZ	ZZZZZZ	Regulatory Restraint Order

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

OPERATING SUMMARY

The Unit was in cold shutdown the entire month by order of the NRC. Core cooling was provided by the Decay Heat Removal System. The Reactor Coolant System was partially drained during the month to enable repair work to continue on Reactor Coolant Pump 1B.

MAJOR SAFETY RELATED MAINTENANCE

Repair work continued on RC-P-1B. The cause of the initial high vibration was found to be a crack in the pump shaft which extended through the thermosleeve pins about 200° around the shaft. The cause remains under investigation. However, a new shaft has been installed. Also installed were a new radial bearing cartridge, a turning vane/difusser assembly, a new impeller, and a reinstallation of the difusser adapter. Also found during the disassembly was significant impeller erosion that is thought to have been a result of cavitation. The exact cause of this is unknown.

ISI inspections were completed (satisfactorily) on the pump casing, 16 of 24 main flange bolts, and on 12 of 12 #1 seal housing bolts. The pump was rotated in the pump handling frame and the seals were reinstalled using a new #1 seal ring and runner, a new #2 seal ring, a new upper seal housing, and new #3 seal ring and runner.

Preventive maintenance inspections on RC-P-1B motor continued in March with the overhaul and reinstallation of AC and DC lift pumps/motors and backstop oil pumps/motors. The upper and lower guide bearings were removed and disassembled and insulation checks were performed on the motor. ISI inspections on the motor flywheel were satisfactorily performed and new upper and lower guide bearings were installed. The oil system was refilled and temporary power was supplied to the lift pumps while the pump was rotated.

Motor to pump alignment and UT inspections on RCP-1A, C, and D were commenced. No UT indications were found on the three pump shafts and only the C pump required minor alignment. Inspections of the remaining three pumps using fiber optics through 30 foot sections of the pump cold legs has resulted in concluding there is no degradation of the other impellers.

Reassembly of RC-P-1B is currently in progress with completion and testing expected during April.

Local Leak Rate Testing continued during the month of March with the east and west fuel transfer tubes, reactor building equipment hatch, three penetrations, and sixty-four valves satisfactorily tested.

Core Flood valve CF-V-1B (pressure seal leak) completed during the month with the reassembly of the valve and reinstallation of the operator. Testing will be performed at a later date.

Once Through Steam Generator RC-H-1A/E manway/handle hole backing plate flatness inspections commenced in March with the removal of manways and handhole covers. Flatness checks, cleaning, etc. are in progress and will be completed in April.

Decay Heat Valve DH-V-22A repairs (not seating) were completed in March with disassembly, inspection, cleaning, replacement of disc assembly lockplate keepers and reassembly of the valve. Testing will be completed when plant operation permits.

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).

OPERATING DATA REPORT

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 DATE March 15, 1984
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 TELEPHONE 948-8551

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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 948-8551

MONTH: MARCH

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

1	0.
2	0.
3	0.
4	0.
5	0.
6	0.
7	0.
8	0.
9	0.
10	0.
11	0.
12	0.
13	0.
14	0.
15	0.
16	0.

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	0.
18	0.
19	0.
20	0.
21	0.
22	0.
23	0.
24	0.
25	0.
26	0.
27	0.
28	0.
29	0.
30	0.
31	0.

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DOCKET NO. 50-289

UNIT NAME TMI-1

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REPORT MONTH ~~March 1984~~

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GPU Nuclear Corporation
Post Office Box 480
Route 441 South
Middletown, Pennsylvania 17057-0191
717 944-7621
TELEX 84-2386
Writer's Direct Dial Number:

April 16, 1984
5211-84-2091

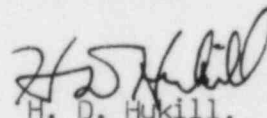
Office of Management Information and Program Control
Attn: W. C. McDonald
c/o Distribution Services Branch DPC, ADM
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. McDonald:

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

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

Sincerely,


H. D. Hukill,
Director, TMI-1

HDH:mle
Attachments

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