

# OPERATING DATA REPORT

DOCKET NO. 50-289  
 DATE January 31, 1985  
 COMPLETED BY C. W. Smyth  
 TELEPHONE (717) 948-8551

## OPERATING STATUS

1. UNIT NAME: THREE MILE ISLAND UNIT 1
2. REPORTING PERIOD: JANUARY ,1985.
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:

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.	744.	91321.
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	34.1
20. UNIT AVAILABILITY FACTOR	0.0	.0	34.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	.0	33.4
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	6.0	31.9
23. UNIT FORCED OUTAGE RATE	100.0	100.0	62.9

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:

8502270327 850130  
 PDR ADOCK 05000289  
 R PDR

IE24  
 11

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-289  
UNIT TMI-1  
DATE Jan 31, 1985  
COMPLETED BY C. W. Smyth  
TELEPHONE (717) 948-8551

MONTH: JANUARY

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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January, 1985

DOCKET NO. 50-289  
UNIT NAME TMI-I  
DATE January 31, 1985  
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>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
1	01/31/85	F	744	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

## OPERATIONS SUMMARY

The Unit was shut down 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 permit continued tube testing and repair work. The secondary side remained in wet layup the entire month.

### Major Safety Related Maintenance

OTSGs RC-H-1A/B - During the month of January, 1985, Eddy Current Testing was completed. The "A" OTSG test results showed 297 tubes with greater than 40% thru-wall defects, and 93 tubes with greater than 70% thru-wall defects. The "B" OTSG test results showed 33 tubes with greater than 40% thru-wall defects, and 5 tubes with greater than 70% thru-wall defects. The "A" OTSG upper tubes requiring stabilization (40 tubes) were endmilled, stabilized and plugged with B&W nail head weld plugs. Preparations are in progress to stabilize and plug 5 tubes in the "B" OTSG upper tube sheet. This work will be completed in February, 1985. Preparations are in progress to install B&W roll plugs in the A&B upper tube sheets, and B&W mechanical ribbed plugs in the lower tube sheets, on the tubes to be plugged (greater than 70% thru-wall defects).

INTERMEDIATE CLOSED COOLING WATER COOLER IC-C-1A - Cooler IC-C-1A work was completed in January including sandblasting the tube sheets and applying of Belzona compound. The water boxes were coated with coal tar epoxy and magnesium anodes were installed. The cooler was flushed, fitted with new gaskets, and the end covers reinstalled. All work has been completed.

NUCLEAR SERVICES CLOSED COOLING PUMP NS-P-1B - NS-P-1B was disassembled from the casing and individual components removed due to failure of the bearing. The pump shaft bearing surface was measured and repaired by metal spray welding. Reassembly is expected to be completed during February, 1985.

AIR HANDLING SYSTEM PURGE VALVES AH-V-1A/B/C/D - Work commenced on valve AH-V-1D to replace the rubber seats. The seat retaining screws/segments were removed and cleaned and the old seats were removed from the valve. Preparation for cutting and installing new seats is in progress and work is expected to be completed during February, 1985.

EMERGENCY FEEDWATER PUMP EF-P-1 - EF-P-1 bearing failure repairs started in January, 1985. The outboard bearing assembly was removed, cleaned, and inspected. A new bearing was installed with Loctite, and the bearing assembly was reinstalled. Thrust measurements were taken, coupling was aligned and the pump was test run satisfactorily. The bearing drain line was cleared and will be modified in February, 1985 to prevent shaft immersion. This work was reported on Nuclear Network as Item OM #2408.

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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5211-85-2029

February 20, 1985

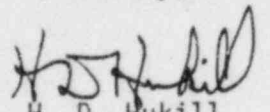
Office of Management Information and Program Control  
Attn: W. C. McDonald  
c/o Distribution Services Branch DPC, ADM  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. McDonald:

Three Mile Island Nuclear Station, Unit I (TMI-1)  
Operating License No. DPR-50  
Docket No. 50-289  
Monthly Operating Report  
January, 1985

Enclosed please find two (2) copies of the January 1985 Monthly Operating Report for Three Mile Island Nuclear Station Unit-1.

Sincerely,

  
H. D. Hukill  
Director, TMI-1

HDH:JGB:spb

Attachments

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

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