

OPERATIONS SUMMARY
APRIL, 1985

The Unit was shutdown the entire month of April, 1985 by order of the NRC. Except as noted below, core cooling was provided by the Decay Heat Removal System.

On April 9, 1985, the plant was heated up to hot shutdown conditions using RCP heat. On April 14, 1985, 19 curies of krypton were injected into the primary side to test for primary to secondary leakage. Leakage following the repair work identified below has been reduced below the baseline of 1 gph, established during the hot functional test performed in the Fall of 1983. Measured leakage was .5 gph or below, which is basically at or below the limits of detectability of installed in-plant equipment and analysis capability.

Additionally, most major plant systems were tested with very few problems encountered. A work list of minor work items has been generated, and repair efforts were completed or underway at the end of April, 1985.

Major Safety Related Maintenance

During the month of April, 1985 the following major maintenance items were completed:

OTSGs RC-H-1A/B - During April, the OTSG repair program was completed. B&W roll plug and ribbed plug training was accomplished, repair equipment was set-up, and templates were installed. OTSG side A repairs consisted of stabilizing three tubes and plugging with nail head weld plugs, the installation of 205 B&W rolled plugs in the upper tubesheet and installation of 208 B&W ribbed mechanical plugs in the lower tubesheet. OTSG side B repairs consisted of stabilizing three tubes and plugging with nail head weld plugs, installation of 21 B&W rolled plugs in the upper tubesheet and installation of 24 B&W ribbed mechanical plugs in the lower tubesheet. One tube was misplugged and removal efforts failed. The plug was reseated in the tube, effectively removing the tube from service. The work areas were removed, channel head close-out inspections performed, tools and equipment were removed, and the manway covers and handhole covers reinstalled. The OTSGs were satisfactorily tested by krypton injection at hot shutdown conditions.

SCREEN WASH PUMP SW-P-1A - Repairs to SW-P-1A (high vibration) were completed in April, 1985. The pump was reassembled and reinstalled, the motor reinstalled, coupled to the pump, and test run satisfactorily.

SCREEN WASH STRAINER SW-S-1A - Repairs to Screen Wash Strainer (binding) commenced in April, 1985 with the removal of the strainer drive unit and inspection of the strainer. A drive unit motor pinion gear was replaced. The strainer was reassembled and test run satisfactorily.

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MARINITE FIRE BARRIER REPLACEMENT - Fire barrier replacement work was completed during April, 1985 in the Control Building and Auxiliary Building. Broken, damaged or missing marinite boards were replaced and joints/cracks were sealed with kaowool or cerafiber.

MAIN STEAM VALVES MS-V-4A/B - Main Steam Valves MS-V-4A/B repairs (leaking by the seat) were completed in April, 1985. Scaffolding was erected, and tools and equipment were staged. Operator air lines were removed and the valves were opened. Seats/disc were lapped and reconditioned and the valves reassembled. The operators were reconnected and scaffolding removed. Testing was satisfactorily performed on MS-V-4A during hot functional testing. MS-V-4B testing will be performed at a later date.

Decay Heat Removal Valve DH-V-2 - DH-V-2 was disassembled during April, 1985 to replace the bonnet pressure seal ring and the valve stem. The valve was opened and inspected, the pressure seal ring and valve stem were replaced, and the valve was reassembled. Repacking the valve is in progress and repairs are expected to complete in May, 1985.

Main Steam Safety Relief Valves MS-V-19A/B/C & MS-V-20C - Repairs to Main Steam Safety Relief Valves MS-V-19A/B/C and MS-V-20C (Leaking by the seats) commenced in April, 1985. Scaffolding was erected, tools and equipment were staged, and work preparations are in progress. Work will continue in May, 1985.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April, 1985

DOCKET NO. 50-289
UNIT NAME TMI-I
DATE April 30, 1985
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	85/04/40	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

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:

1991 is the last refueling discharge which allows full core off-load capacity (177 fuel assemblies).

OPERATING DATA REPORT

DOCKET NO. 50-289
 DATE 04/30/85
 COMPLETED BY C. W. Smyth
 TELEPHONE (717) 948-8551

OPERATING STATUS

1. UNIT NAME: THREE MILE ISLAND UNIT 1
2. REPORTING PERIOD: APRIL ,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	719.	2879.	93456.
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	33.4
20. UNIT AVAILABILITY FACTOR	0.0	0.0	33.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	32.6
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	31.1
23. UNIT FORCED OUTAGE RATE	100.0	100.0	63.8

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 04/30/85
COMPLETED BY C. W. Smyth
TELEPHONE (717) 948-8551

MONTH: APRIL

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	N/A



GPU Nuclear Corporation
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TELEX 84-2386
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May 14, 1985
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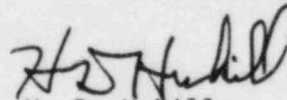
Office of Management Information and Program Control
Attn: W. C. McDonald
c/o Distribution Services Branch DPC, ADM
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. McDonald:

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

Enclosed please find two (2) copies of the April, 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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