

OPERATIONS SUMMARY  
SEPTEMBER, 1985

The unit remained in hot shutdown the entire month awaiting the lifting of stays imposed first by the Third Circuit Court of Appeals and then by the U.S. Supreme Court.

Major Safety Related Maintenance

The following work was completed during the month:

Nuclear Instrumentation (NI-1) - Work continued on Source Range Nuclear Instrumentation Channel NI-1. The preamp was replaced with spares and was swapped with Channel #2. Only after connectors between the preamp and the detector were replaced was the intermittent problem (counts dropping from about 5 to 0) solved.

CRD Electrical System - Repairs to the CRD electrical system (fire damage) were performed on transfer cabinets 2 and 7 to correct wire, transfer switch, and relative position indicator module damage. Testing was first performed in a de-energized state followed by control power only testing. The auxiliary and regulated power supplies were then energized and the CRD system tested. Follow-up work consisted of replacing RPI output amp modules for 1-2, 8-8 and R101 relay. The power supply terminal strips were checked to ensure operability and calibration was completed.

An unrelated CRD breaker problem (failure to close) occurred while performing a surveillance procedure. The breaker was replaced and inspected to determine the cause of the failure. The breaker was found mechanically hungup in the mid-travel position. The breaker was sent to the Vendor, G. E. Service Shop, Atlanta, Ga., for further inspection to determine the cause of the failure. G.E. has concluded that the failure was not a generic problem and was caused by the breaker "CRANK" ears being pulled inside the spring carrier assembly causing binding of the breaker. This finding was reported via INPO Nuclear Network.

8510310596 850930  
PDR ADOCK 05000289  
R PDR

JE24L

# OPERATING DATA REPORT

DOCKET NO. 50-289  
 DATE 9-30-85  
 COMPLETED BY C.W. Smyth  
 TELEPHONE (717) 948-8551

## OPERATING STATUS

1. UNIT NAME: THREE MILE ISLAND UNIT 1  
 2. REPORTING PERIOD: SEPT , 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	720.	6551.	97128.
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	32.1
20. UNIT AVAILABILITY FACTOR	0.0	0.0	32.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	31.4
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	30.0
23. UNIT FORCED OUTAGE RATE	100.0	100.0	65.3

24. SHUTDCWNS 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 9-30-85  
COMPLETED BY C.W. Smyth  
TELEPHONE (717) 948-8551

MONTH: SEPT

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH SEPTEMBER

DOCKET NO. 50-289  
 UNIT NAME TMI-I  
 DATE 9-30-85  
 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	85/09/30	F	744	D	1	N/A	ZZ	ZZZZZZ	Regulatory Restraint Order

F: Forced  
 S: Scheduled

<sup>2</sup> 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)

<sup>3</sup> Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup> Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup> 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).



GPU Nuclear Corporation  
Post Office Box 480  
Route 441 South  
Middletown, Pennsylvania 17057-0191  
717 944-7621  
TELEX 84-2396  
Writer's Direct Dial Number:

October 15, 1985  
5211-85-2174

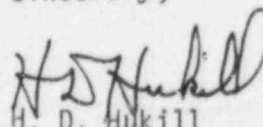
Office of Management Information and Program Control  
Attn: W. C. McDonald  
c/o Distribution Services Branch DPC, ADM  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. McDonald:

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

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

0015C