OPERATIONS SUMMARY
JANUARY, 1988

The unit entered January operating at 100% power. The plant continued operating at 100% power until January 31, 1988. On January 31 power was reduced to approximately 75% to support repair of the "A" Main Feedwater (MFW) pump coupling. The plant was returned to 100% power within 10 hours.

MAJOR SAFETY RELATED MAINTENANCE

During the month of January, TMI Unit 1 performed the following major maintenance:

Liquid Waste Disposal System Pipe Replacement - During the month of January, a leaking pipe section between valves WDL-V-61 and WDL-V-361 was replaced. The leak was a crack in a pipe section at a 90° elbow by diaphragm valve WDL-V-61. In order to isolate the pipe and still have the capability to add borated water to the Makeup Tank (MU-T-1), check valve WDL-V-361 was required to be used as an isolation valve. A Temporary Mechanical Modification was approved and a globe valve bonnet was installed on WDL-V-361 to isolate the piping. Interference items (insulation, heat trace, conduit, etc.) were removed, the piping drained and the piping cut out. The pipe was prepped and a new elbow and piping fit-up and welded in. All NDE inspections were satisfactory. Check valve WDL-V-361 was restored to its original configuration and an operational leak test of the affected piping was performed with satisfactory results. Interference items were reinstalled and the system was returned to service.

Main Steam Valve MS-V-4B - Main steam atmospheric dump valve MS-V-4B was removed from service in January to repair seat leakage. The valve operator was disconnected and the bonnet/operator removed from the valve body. Inspection revealed cuts across the valve seating surface. The cuts were lapped out and the valve reassembled. Post Maintenance testing was performed and minor leakage was detected. No further repairs to MS-V-4B are scheduled.

IE-24

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-289
UNIT NAME TMI-1
DATE 01-31-88
COMPLETED BY C.W. Smyth
TELEPHONE (717) 948-8551

REPORT MONTH JANUARY

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4] & 6	Component Code[5] & 6	Cause & Corrective Action to Prevent Recurrence
						- NONE -			

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

6
Actually used Exhibits F & H NUREG 0161

OPERATING DATA REPORT

DOCKET NO. 50-289
DATE 01-31-88
COMPLETED BY C.W. Smyth
TELEPHONE (717) 948-8551

OPERATING STATUS

		NOTES
1. UNIT NAME:	THREE MILE ISLAND UNIT 1	
2. REPORTING PERIOD:	JANUARY ,1988.	
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.	744.	117601.
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	47264.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1886.1
14. HOURS GENERATOR ON-LINE	744.0	744.0	46343.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1874480.	1874480.	112362181.
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	646084.	646084.	37514305.
18. NET ELECTRICAL ENERGY GENERATED (MWH)	610304.	610304.	35114586.
19. UNIT SERVICE FACTOR	100.0	100.0	39.4
20. UNIT AVAILABILITY FACTOR	100.0	100.0	39.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	105.7	105.7	38.2
22. UNIT CAPACITY FACTOR (USING DER NET)	100.2	100.2	36.5
23. UNIT FORCED OUTAGE RATE	0.0	0.0	56.3

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

Maintenance - Stator Cooling; February 16, 1988; 4 days (6U2)
Refueling; June 17, 1988; 64 days (7B)

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-289
UNIT TMI-1
DATE 01-31-88
COMPLETED BY C.W. Smyth
TELEPHONE (717) 948-8551

MONTH: JANUARY

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	829.	17	819.
2	833.	18	824.
3	832.	19	825.
4	827.	20	826.
5	829.	21	823.
6	821.	22	825.
7	814.	23	830.
8	813.	24	828.
9	819.	25	827.
10	816.	26	828.
11	807.	27	828.
12	810.	28	824.
13	821.	29	823.
14	822.	30	824.
15	810.	31	764.
16	810.		

REFUELING INFORMATION REQUEST

1. Name of Facility: Three Mile Island Nuclear Station, Unit 1

2. Scheduled date for next refueling shutdown: June 17, 1988 (7R)

3. Scheduled date for restart following refueling: August 19, 1988 (7R)

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes (For 7R)

   If answer is yes, in general, what will these be?

   Basic Refueling Report.

   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?
   To be determined.

5. Scheduled date(s) for submitting proposed licensing action and supporting information: April 1, 1988.

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: None

7. The number of fuel assemblies (a) in the core, and (b) in the spent fuel storage pool: (a) 177 (b) 284

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 84-2386
Writer's Direct Dial Number:

February 16, 1988
C311-88-2017

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Dear Sir:

Three Mile Island Nuclear Station, Unit I (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Monthly Operating Report
January, 1988

Enclosed please find two (2) copies of the January, 1988 Monthly Operating Report for Three Mile Island Nuclear Station, Unit-1.

Sincerely,

H. D. Hukill
Vice President & Director, TMI-1

HDH:JAR:spb

cc: W. Russell, USNRC
R. Conte, USNRC

Attachments

0015C

IE24
1/1