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May 13, 1992
C311-92-2070

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

Gentlemen:

Subject: Three Mile Island Nuclear Station, Unit I (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Monthly Operating Report for April 1992

Enclosed are two copies of the April 1992 Monthly Operating Report for Three Mile Island Nuclear Station, Unit 1.

Sincerely,

T. G. Broughton
T. G. Broughton
Vice President and Director, TMI-1

WGH

Attachments

cc: Administrator, Region I
TMI Senior Resident Inspector

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PDR ADOCK 05000289
R PDR

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OPERATIONS SUMMARY
APRIL 1992

The unit entered the month operating at 100% power producing 858 MWe and continued to operate at 100% power throughout the month. The waste products resulting from the OTSG Chemical Cleaning process were evaporated and the remaining products solidified.

MAJOR SAFETY RELATED MAINTENANCE

During April, the following major safety related maintenance activities were performed:

Spent Fuel Recirculation Pump SF-P-2

Spent Fuel recirculation pump SF-P-2 was removed from service because of excessive vibration during operation. The motor was removed and inspected. The motor bearings were found worn and were replaced. The pump was subsequently disassembled and inspected. Inspection of the pump revealed excessive clearance between the pump extension piece and the motor shaft. The extension piece was replaced and the pump was reassembled. Reinstallation of the pump and motor is expected to be completed in May.

Station Blackout Diesel Generator EG-Y-4

In its letter to the NRC describing piston cracking problems, Fairbanks Morse identified GPUN as a recipient of two basic piston castings of unknown origin. GPUN determined that the pistons in question were installed in the Station Blackout (SBO) Diesel Generator EG-Y-4. The SBO diesel was removed from service to inspect the pistons with a fiber optic camera. The upper pistons on cylinders #2 and #5 were found to be from a batch identified by Fairbanks Morse as having possible faults. A diesel outage is scheduled for May to replace the upper pistons on cylinders #2 and #5.

Screen Wash Ventilation Pump SW-P-2B

Screen Wash Ventilation pump SW-P-2B was removed from service because of high vibration. The motor was removed and the pump was disassembled and removed. Inspection revealed bearing and shaft wear. Reassembly and reinstallation work will be completed in May.

OPERATING DATA REPORT

DOCKET NO. 50-289
 DATE May 13, 1992
 COMPLETED BY W G HEYSEK
 TELEPHONE (717) 948-8191

OPERATING STATUS

- 1. UNIT NAME: THREE MILE ISLAND UNIT 1
- 2. REPORTING PERIOD: APRIL 1992
- 3. LICENSED THERMAL POWER: 2568
- 4. NAMEPLATE RATING (GROSS MWe): 871
- 5. DESIGN ELECTRICAL RATING (NET MWe): 819
- 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWe): 834
- 7. MAXIMUM DEPENDABLE CAPACITY (NET MWe): 786

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	(HRS)	719.0	2903.0	154824.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	(HRS)	719.0	2903.0	79634.0
13. REACTOR RESERVE SHUTDOWN HOURS	(HRS)	0.0	0.0	2245.6
14. HOURS GENERATOR ON-LINE	(HRS)	7.0	2903.0	73559.2
15. UNIT RESERVE SHUTDOWN HOURS	(HRS)	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED	(MWH)	1846495	7445146	191374191
17. GROSS ELECTRICAL ENERGY GENERATED	(MWH)	614031	2489987	64484246
18. NET ELECTRICAL ENERGY GENERATED	(MWH)	580148	2350964	60508289
19. UNIT SERVICE FACTOR	(%)	100.0	100.0	50.7
20. UNIT AVAILABILITY FACTOR	(%)	100.0	100.0	50.7
21. UNIT CAPACITY FACTOR (USING MDC NET)		102.7	103.0	49.7
22. UNIT CAPACITY FACTOR (USING DER NET)		98.5	98.9	47.7
23. UNIT FORCED OUTAGE RATE	(%)	0.0	0.0	43.6
UNIT FORCED OUTAGE HOURS	(HRS)	0.0	0.0	60648.7
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 May 13, 1992
 COMPLETED BY W C HEYSEK
 TELEPHONE (717) 948-8191

MONTH: APRIL

DAY	AVERAGE DAILY POWER LEVEL (MWe-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWe-NET)
1	810	17	803
2	813	18	807
3	813	19	811
4	813	20	805
5	810	21	798
6	810	22	798
7	806	23	801
8	803	24	799
9	806	25	806
10	804	26	809
11	802	27	809
12	808	28	808
13	813	29	808
14	811	30	807
15	810	31	NA
16	803		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1992

DOCKET NO. 50-289
 UNIT NAME TMI-1
 DATE May 13, 1992
 COMPLETED BY W. G. Heysek
 TELEPHONE (717) 948-8191

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report#	System Code ' & '	Component Code ' & '	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 & Licensing 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 1 same source
 6 Actually used exhibits F & II NUREG 0161

REFUELING INFORMATION REQUEST

1. Name of Facility: Three Mile Island Nuclear Station, Unit 1
2. Scheduled date for next refueling shutdown: September 17, 1993 (10R)
3. Scheduled date for restart following current refueling: NA
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? NA

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?

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

None planned.

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:

GPU Nuclear has installed four Westinghouse Lead Test Assemblies during the reload of the TMI-1 core for cycle 9 operation. Westinghouse fuel technology will be utilized to the extent possible.

7. The number of fuel assemblies (a) in the core, and (b) in the spent fuel storage pool: (a) 177 (b) 521

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. Planning to increase licensed capacity through fuel pool reracking is in progress.

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:

The 9R (1991) refueling discharge was the last to allow full core off-load capacity (177 fuel assemblies).