

BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION

Summary of Operations for MARCH, 1982

From March 1 to March 26, unit was shutdown for refueling outage. At 0507 hours on March 26, the reactor was brought critical and plant heatup commenced. Experienced increase in Relief Valve tail pipe temperatures and unit was brought sub-critical at 0553 hours. Discussed relief valve tail-pipe temperatures with vendor who recommended going to higher pressure. Reactor was taken critical again at 1153 hours. At 1400 hours, RV-203-3A lifted at approximately 30 psig. The unit was immediately shutdown.

On March 27, after repairs to relief valves were completed, the reactor was taken critical at 702 hours. At 2115 hours, a shutdown was initiated due to reactor water level indication problems. Mode switch was placed in shutdown at 0412 hours on March 28, 1982. The reactor was again brought critical at 1652 hours on March 28, and a scram on high IRM's at 1944 hours occurred.

The reactor was brought critical at 0852 hours on March 29, and increased pressure to approximately 150 psig in order to test HPCI, RCIC and ADS. On March 31, at 2400 hours, the reactor was at approximately 10% power awaiting a turbine generator roll.

Safety/Relief Valve Challenges for March, 1982

Report Requirement: TMI T.A.P. II.K.33

Each relief valve was manually lifted once at 150#.

RV-203-3A lifted inadvertently at approximately 30 psig on 3/26/82.

OPERATING DATA REPORT

DOCKET NO. 50-293
DATE 04/13/82
COMPLETED BY G.G. Whitney
TELEPHONE 617-746-7900

OPERATING STATUS

1. Unit Name: Pilgrim I
2. Reporting Period: March, 1982
3. Licensed Thermal Power (MWt): 1998.
4. Nameplate Rating (Gross MWe): 678.
5. Design Electrical Rating (Net MWe): 655.
6. Maximum Dependable Capacity (Gross MWe): 690.
7. Maximum Dependable Capacity (Net MWe): 670.

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

None

9. Power Level To Which Restricted, If Any (Net MWe): None

10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	2160.0	81600.0
12. Number Of Hours Reactor Was Critical	74.2	74.2	56107.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	0.0	0.0	54277.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	0.0	0.0	92817888.0
17. Gross Electrical Energy Generated (MWH)	0.0	0.0	30911234.0
18. Net Electrical Energy Generated (MWH)	0.0	0.0	29694484.0
19. Unit Service Factor	0.0	0.0	66.5
20. Unit Availability Factor	0.0	0.0	66.5
21. Unit Capacity Factor (Using MDC Net)	0.0	0.0	54.3
22. Unit Capacity Factor (Using DER Net)	0.0	0.0	55.6
23. Unit Forced Outage Rate	0.0	0.0	10.0

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

None

25. If Shut Down At End Of Report Period, Estimated Date of Startup:

26. Units In Test Status (Prior to Commercial Operation):

Forecast

Achieved

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
 UNIT Pilgrim I
 DATE 04/13/82
 COMPLETED BY G.G. Whitney
 TELEPHONE 617-746-7900

MONTH MARCH, 1982

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

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

REFUELING INFORMATION

The following refueling information is included in the Monthly Report as requested in a letter to Mr. G. C. Andognini dated January 18, 1978:

For your convenience, the information supplied has been enumerated so that each number corresponds to equivalent notation utilized in the request.

1. The name of this facility is Pilgrim Nuclear Power Station, Docket Number 50-293.
2. Scheduled date for next Refueling Shutdown: September, 1983
3. Scheduled date for restart following refueling: November, 1983
- 4.
5. Due to their similarity, requests 4, 5, & 6 are responded to collectively:
6. The fuel, which had been loaded during the 1981 scheduled refueling outage, is of the same P8x8R design, as loaded the previous outage consisting of 112 P8DRB282 assemblies and 60 P8DRB265 assemblies.
7. (a) There are 580 fuel assemblies in the core.
(b) There are 936 fuel assemblies in the spent fuel pool.
8. (a) The station is presently licensed to store 2320 spent fuel assemblies. The actual spent fuel storage capacity is 1770 fuel assemblies at present.

(b) The planned spent fuel storage capacity is 2320 fuel assemblies.
9. With present spent fuel in storage, the spent fuel pool now has the capacity to accommodate an additional 834 fuel assemblies.

MAJOR SAFETY RELATED MAINTENANCE

MARCH
1982

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED L.
1	A, B, C, and D Relief Valves	Solenoid Valves	Installed Wrong	Reinstalled Cor- rectly		
3	CRD Insert and Withdrawal Piping	Hangers	N/A P.M.	Replaced Hangers		82-005/01T-0
23	RCIC Turbine	N/A P.M.		Insert & Withdra- wal - Set over- speed trip		
23	MOV 2301-8	Would Not Open	Missing TS Jumper	Installed TS Jumper		82-008/01T-0
23	P223	P223 Trip	Megger To Low	No Action Taken		
1	MOV 220-1	Would Not Open	Broken Torque Switch	Replaced		
1	MOV 220-2	Would Not Open	Loose Torque Switch	Replaced Brushes		
46	Vital Recirc MG Door Interlocks	Inop		Adjusted Door Stripping		
6	"B" Feed Pump Aux. Oil	Tripped	Bad Bearing	Replaced Motor		
10	MOV 1001-50	Tripped		Checked Logic of RHR & Related Systems		
10	MOV 1001-60	Tripped		Checked Logic of RHR & Related Systems		
14	1400-6A & 6B	No Indicator Lights		Built new Bracket Replaced Cable		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1982

DOCKET NO. 50-293
 UNIT NAME Pilgrim I
 DATE 04/13/82
 COMPLETED BY G.G. Whitney
 TELEPHONE 617-746-7900

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
18	81/09/26	S	744.0	C	2	N/A	RC	FUELXX	Refuel/Modification Outage

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