



**Boston Edison**

Pilgrim Nuclear Power Station  
Rocky Hill Road  
Plymouth, Massachusetts 02360

**L. J. Olivier**

Vice President Nuclear Operations  
and Station Director

November 13, 1995  
BECO Ltr. #95-116

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Docket No. 50-293  
License No. DPR-35

**OCTOBER 1995 MONTHLY REPORT**

In accordance with PNPS Technical Specification 6.9.A.2, a copy of the Operational Status Summary for Pilgrim Nuclear Power Station is attached for your information and planning. Should you have any questions concerning this report please contact me directly.



L.J. Olivier

RLC/nas/9458

Attachment

cc: Mr. Thomas T. Martin  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Senior Resident Inspector

160052

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# OPERATING DATA REPORT

DOCKET NO. 50-293  
 DATE November 13, 1995  
 COMPLETED BY: R.L. Cannon  
 TELEPHONE (508) 830-8321

## OPERATING STATUS

## NOTES

- |     |   |              |
|-----|---|--------------|
| 1.  | Unit Name   | Pilgrim I    |
| 2.  | Reporting Period  | October 1995 |
| 3.  | Licensed Thermal Power (MWt)  | <u>1998</u>  |
| 4.  | Nameplate Rating (Gross MWe)  | <u>678</u>   |
| 5.  | Design Electrical Rating (Net MWe)  | <u>655</u>   |
| 6.  | Maximum Dependable Capacity (Gross MWe)   | <u>696</u>   |
| 7.  | Maximum Dependable Capacity (Net MWe)   | <u>670</u>   |
| 8.  | If Changes Occur in Capacity Ratings (Item Number 3 Through 7) Since Last Report, Give Reasons: |              |
|     | <u>NONE</u>   |              |
| 9.  | Power Level To Which Restricted, If Any (Net MWe): <u>None</u>                                  |              |
| 10. | Reasons For Restrictions, If Any: <u>N/A</u>  |              |

	<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	<u>745.0</u>	<u>7296.0</u>	<u>200688.0</u>
12. Hours Reactor Critical	<u>745.0</u>	<u>5602.0</u>	<u>124802.1</u>
13. Hours Reactor Reserve Shutdown	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>745.0</u>	<u>5498.8</u>	<u>120359.9</u>
15. Hours Unit Reserve Shutdown	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated(MWH)	<u>1422216.0</u>	<u>10636137.0</u>	<u>213391353.0</u>
17. Gross Electrical Energy Generated(MWH)	<u>488360.0</u>	<u>3650230.0</u>	<u>72269904.0</u>
18. Net Electrical Energy Generated(MWH)	<u>470820.0</u>	<u>3513589.0</u>	<u>69471366.0</u>
19. Unit Service Factor	<u>100.0</u>	<u>75.4</u>	<u>60.0</u>
20. Unit Availability Factor	<u>100.0</u>	<u>75.4</u>	<u>60.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>94.3</u>	<u>71.9</u>	<u>51.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>96.5</u>	<u>73.5</u>	<u>52.8</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>4.5</u>	<u>12.1</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each) -	NONE		
25. If Shutdown at End of Report Period, Estimated Date of Startup -	UNIT OPERATING		

AVERAGE DAILY UNIT POWER LEVEL

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MONTH October, 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	653	17	640
2	654	18	661
3	653	19	666
4	647	20	664
5	468	21	665
6	535	22	665
7	643	23	666
8	664	24	668
9	665	25	668
10	665	26	666
11	665	27	667
12	665	28	667
13	659	29	665
14	136	30	665
15	594	31	667
16	666		

This format lists the average daily unit power level in MWe-Net for each day in the reporting month, computed to the nearest whole megawatt.

BOSTON EDISON COMPANY  
PILGRIM NUCLEAR POWER STATION  
DOCKET NO. 50-293

OPERATIONAL SUMMARY FOR OCTOBER, 1995

The unit started the reporting period at 100 percent Core Thermal Power (CTP) where it was maintained until October 5, 1995 when reactor power was reduced to 50% CTP to perform a thermal backwash of the main condenser. Following the backwash, reactor power was increased and the unit attained 100 percent CTP early on October 6, 1995. Later on October 6, 1995, a power reduction of 45% CTP was made in response to a seaweed intrusion in the east seawater bay. After completing backwashes of the main condenser, RBCCW and TBCCW heat exchangers, reactor power was increased and 100% CTP was attained on October 7, 1995. A power reduction to approximately 18% CTP was commenced on October 13, 1995 for backwash of the main condenser and performance of other maintenance activities. Following the backwash and completion of scheduled maintenance activities, reactor power was again returned to 100 percent CTP on October 15, 1995 where it was maintained until October 17, 1995, when reactor power was reduced to 60 percent CTP to accommodate a control rod pattern change. On October 18, 1995, reactor power was returned to 100% CTP where it was maintained for the remainder of the reporting period.

SAFETY RELIEF VALVE CHALLENGES

MONTH OF OCTOBER 1995

Requirement: NUREG-0737 T.A.P. II.K.3.3

There were no safety relief valve challenges during the reporting period.

An SRV challenge is defined as anytime an SRV has received a signal to operate via reactor pressure signal (ADS) or control switch (manual). Reference BECo Ltr. #81-01 dated January 5, 1981.

## REFUELING INFORMATION

The following refueling information is included in the Monthly Report as requested in an NRC letter to BECo, 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: February 1, 1997.
3. Scheduled date for restart following next refueling: March 14, 1997.
4. Due to their similarity, requests 4, 5, & 6 are responded to collectively under #6.
5. See #6.
6. The new fuel loaded during the 1995 refueling outage (RFO-10) is of a different design than that loaded in the previous refueling outage and consists of 136 new fuel assemblies.
7.
  - (a) There are 580 fuel assemblies in the core.
  - (b) There are 1765 fuel assemblies in the spent fuel pool.
8.
  - (a) The station is presently licensed to store 3859 spent fuel assemblies. The spent fuel storage capacity is 2891 fuel assemblies. However, 23 spent fuel locations cannot be used due to refuel bridge limitations.
  - (b) The planned spent fuel storage capacity is 3859 fuel assemblies.
9. With present spent fuel in storage, the spent fuel pool now has the capacity to accommodate an additional 1103 fuel assemblies.

# PILGRIM NUCLEAR POWER STATION MAJOR SAFETY RELATED MAINTENANCE

DOCKET NO: 50-293

NAME: Pilgrim I

DATE: November 13, 1995

COMPLETED BY: R.L. Cannon

TELEPHONE: (508) 830-8321

REPORT MONTH: October 1995

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED LER
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No major safety related maintenance was completed during this reporting period.

# UNIT SHUTDOWNS AND POWER REDUCTIONS

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NO.	DATE	TYPE 1	DURATION (HOURS)	REASON 2	METHOD OF SHUTTING DOWN REACTOR	LICENSE EVENT REPORT	SYSTEM CODE 4	COMPONENT CODE 5	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
08	10/05/95	S	0.0	H	N/A	N/A	N/A	N/A	Power reduction to facilitate a thermal backwash of the main condenser.
09	10/14/95	S	0.0	H	N/A	N/A	N/A	N/A	Power reduction to facilitate a backwash of the main condenser and performance of various maintenance activities.

There were no unit shutdowns during the reporting period.

1	2	3	4&5
F-Forced S-Sched	A-Equip Failure B-Main or Test C-Refueling D-Regulatory Restriction E-Operator Training & License Examination F-Admin G-Operator Error H-Other	1-Manual 2-Manual Scram 3-Auto Scram 4-Continued 5-Reduced Load 9-Other	Exhibit F & H Instructions for Preparations of Data Entry Sheet Licensee Event Report (LER) File (NUREG-1022)