



Boston Edison

Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

L. J. Olivier

Vice President Nuclear Operations
and Station Director

August 5, 1994
BECO Ltr. #94-084

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

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

JULY 1994 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

WJM/lam/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

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OPERATING DATA REPORT

DOCKET NO. 50-293
 DATE 8/5/94
 COMPLETED BY: W. Munro
 TELEPHONE (508) 830-8474

OPERATING STATUS

NOTES

1. Unit Name Pilgrim I
2. Reporting Period July 1994
3. Licensed Thermal Power (MWt) 1998
4. Nameplate Rating (Gross MWe) 673
5. Design Electrical Rating (Net MWe) 655
6. Maximum Dependable Capacity (Gross MWe) 696
7. Maximum Dependable Capacity (Net MWe) 670
8. If Changes Occur in Capacity Ratings (Item 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	<u>744.0</u>	<u>5087.0</u>	<u>189719.0</u>
12. Hours Reactor Critical	<u>744.0</u>	<u>4794.0</u>	<u>117735.5</u>
13. Hours Reactor Reserve Shutdown	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>4674.8</u>	<u>113463.8</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>1479816.0</u>	<u>8933184.0</u>	<u>200077920.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>505280.0</u>	<u>3061540.0</u>	<u>67707474.0</u>
18. Net Electrical Energy Generated (MWH)	<u>486389.0</u>	<u>2946522.0</u>	<u>65080216.0</u>
19. Unit Service Factor	<u>100.0</u>	<u>91.9</u>	<u>59.8</u>
20. Unit Availability Factor	<u>100.0</u>	<u>91.3</u>	<u>59.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.6</u>	<u>86.5</u>	<u>51.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.8</u>	<u>88.4</u>	<u>52.4</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>3.9</u>	<u>11.5</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each)	<u>MCO-10 October 1994 30 Days</u>		
25. If Shutdown at End of Report Period, Estimated Date of Startup -	<u>Unit Operating</u>		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
DATE: 8/5/94
COMPLETED BY: W. Munro
TELEPHONE: (508) 830-8474

MONTH July 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	660	17	652
2	660	18	653
3	659	19	648
4	657	20	646
5	658	21	654
6	657	22	656
7	657	23	659
8	655	24	659
9	642	25	657
10	595	26	657
11	658	27	658
12	657	28	658
13	658	29	659
14	654	30	659
15	655	31	658
16	654		

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 JULY 1994

The unit started the reporting period at 100 percent core thermal power (CTP) where it was essentially maintained until July 9, 1994. On July 9, 1994 at approximately 2300 hours the plant commenced a power reduction to 50 percent CTP to facilitate a backwash of the main condenser. Following completion of the backwash a power increase was commenced, and at 0637 hours on July 10, 1994, the plant attained 100 percent CTP where it was essentially maintained until July 17, 1994. On July 17, 1994, power was briefly reduced to approximately 98 percent CTP in response to problems with the "EPIC Computer". On July 19 and 20, 1994, unusually high inlet water temperature adversely affected main condenser back pressure, requiring the plant to trim power to maintain adequate vacuum in the main condenser. At 1914 hours on July 20, 1994, the plant attained 100 percent CTP where it was essentially maintained throughout the remainder of the reporting period.

SAFETY RELIEF VALVE CHALLENGES
MONTH OF JULY 1994

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, auto 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: April 1, 1995.
3. Scheduled date for restart following next refueling: May 26, 1995.
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 1993 refueling outage was of the same design as loaded in the previous refueling outage and consisted of 140 assemblies.
7.
 - (a) There are 580 fuel assemblies in the core.
 - (b) There are 1629 fuel assemblies in the spent fuel pool.
8.
 - (a) The station is presently licensed to store 3859 spent fuel assemblies. The actual usable spent fuel storage capacity is 2320 fuel assemblies.
 - (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 691 fuel assemblies.

MONTH JULY 1994

PILGRIM NUCLEAR POWER STATION MAJOR SAFETY RELATED MAINTENANCE

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOC LER
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NO MAJOR SAFETY RELATED MAINTENANCE WAS COMPLETED DURING THE REPORTING PERIOD.

UNIT SHUTDOWNS AND POWER REDUCTIONS DOCKET NO: 50-293

DOCKET NO: 50-293
NAME: Pilgrim I
DATE: 8/5/94
COMPLETED BY: W. Munro
TELEPHONE: (508) 830-8474
REPORT MONTH: July 1994

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
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THERE WERE NO UNIT SHUTDOWNS OR REPORTABLE POWER REDUCTIONS DURING THE REPORTING PERIOD.

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