

OPERATING DATA REPORT

DOCKET NO. 50-293  
 DATE May 13, 1988  
 COMPLETED BY P. Hamilton  
 TELEPHONE (617)746-7900

OPERATING STATUS

Notes

1. Unit Name Pilgrim 1
2. Reporting Period April 1988
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
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	<u>719.0</u>	<u>2903.0</u>	<u>134927.0</u>
12. Number Of Hours Reactor Was Critical	<u>0.0</u>	<u>0.0</u>	<u>79791.1</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>0.0</u>	<u>0.0</u>	<u>77229.3</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated(MWH)	<u>0.0</u>	<u>0.0</u>	<u>134999880.0</u>
17. Gross Electrical Energy Generated(MWH)	<u>0.0</u>	<u>0.0</u>	<u>45444604.0</u>
18. Net Electrical Energy Generated (MWH)	<u>0.0</u>	<u>0.0</u>	<u>43675429.0</u>
19. Unit Service Factor	<u>0.0</u>	<u>0.0</u>	<u>57.2</u>
20. Unit Availability Factor	<u>0.0</u>	<u>0.0</u>	<u>57.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0.0</u>	<u>0.0</u>	<u>48.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.0</u>	<u>0.0</u>	<u>49.4</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>12.1</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Shutdown for Refueling Outage Number 7 - Outage commenced on July 25, 1986

25. If Shut Down At End Of Report Period, Estimated Date of Startup -  
August 1988

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>

(9/77)

IE24

1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293  
 UNIT Pilgrim 1  
 DATE May 13, 1988  
 COMPLETED BY P. Hamilton  
 TELEPHONE (617)746-7900

MONTH April 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0.</u>	17	<u>0.</u>
2	<u>0.</u>	18	<u>0.</u>
3	<u>0.</u>	19	<u>0.</u>
4	<u>0.</u>	20	<u>0.</u>
5	<u>0.</u>	21	<u>0.</u>
6	<u>0.</u>	22	<u>0.</u>
7	<u>0.</u>	23	<u>0.</u>
8	<u>0.</u>	24	<u>0.</u>
9	<u>0.</u>	25	<u>0.</u>
10	<u>0.</u>	26	<u>0.</u>
11	<u>0.</u>	27	<u>0.</u>
12	<u>0.</u>	28	<u>0.</u>
13	<u>0.</u>	29	<u>0.</u>
14	<u>0.</u>	30	<u>0.</u>
15	<u>0.</u>	31	<u>N/A</u>
16	<u>0.</u>		

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 April 1988

The unit has been shutdown all month for Refueling Outage Number 7.

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Safety Relief Valve Challenges  
Month of April 1988

Requirement: NUREG-0737 T.A.P. II.4.3.3

There were no safety relief valve challenges during the month.

## 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 1990
3. Scheduled date for restart following refueling: August 1988
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 1986/87 refueling outage was of the same design as loaded in the previous outage, and consisted of 192 assemblies.
7. (a) There are 580 fuel assemblies in the core.  
(b) There are 1320 fuel assemblies in the spent fuel pool.
8. (a) The station is presently licensed to store 2320 spent fuel assemblies. The actual usable spent fuel storage capacity is 2320 fuel assemblies.  
(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 1000 fuel assemblies.

Month April 1988

PILGRIM NUCLEAR POWER STATION  
 MAJOR SAFETY RELATED MAINTENANCE

<u>SYSTEM</u>	<u>COMPONENT</u>	<u>MALFUNCTION</u>	<u>CAUSE</u>	<u>MAINTENANCE</u>	<u>CORRECTIVE ACTION TO PREVENT RECURRENCE</u>	<u>ASSOCIATED LER</u>
Diesel Generator	X017B Pressure Switch PS-PLPS-B	Inadvertent start of "B" D/G	While performing Procedure 8.E.38 the I&C tech inadvertently pushed "B" D/G start button instead of "RESET" button	Shutdown "B" D/G, and conducted Proced- ure 8.E.38 successfully	Under investigation	LER 88-013-00 (To be issued)
Instrument and Control	Relay 16A-K64 GE CR120A, Fuse 16A-F18	Coil failed causing fuse 16A-F18 to blow.	Aging	Replaced failed relay coil and blown fuse.	PDC prepared for replacement of specific CR120A type relays and/or relay coils.	LER 88-014-00 (to be issued)

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-293

NAME Pilgrim 1DATE May 13, 1988COMPLETED BY P. HamiltonTELEPHONE (617)746-7900REPORT MONTH April 1988

NO.	DATE	TYPE <sup>1</sup>	DURATION (HOURS)	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSE EVENT REPORT #	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE & CORRECTIVE ACTION TO PREVENTIVE RECURRENCE
01	4/1/88	S	719.0	C,B	4	N/A	N/A	N/A	Shutdown for RFO 7

1

2

2

3

4&amp;5

F-Forced  
S-SchedA-Equip Failure  
B-Maint or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training  
& License ExaminationF-Admin  
G-Oper Error  
H-Other1-Manual  
2-Manual Scram  
3-Auto Scram  
4-Continued  
5-Reduced Load  
9-OtherExhibit F & H  
Instructions for  
Preparation of  
Data Entry Sheet  
Licensee Event Report  
(LER) File (NUREG-1022)

**BOSTON EDISON**

Pilgrim Nuclear Power Station  
Rocky Hill Road  
Plymouth, Massachusetts 02360

**Ralph G. Bird**  
Senior Vice President — Nuclear

May 13, 1988  
BECO Ltr. #88-081

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

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

Subject: April 1988 Monthly Report

Dear Sir:

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.

  
R.G. Bird

PJH:1a

Attachment

cc: Regional Administrator, Region 1  
U.S. Nuclear Regulatory Commission  
475 Allendale Rd.  
King of Prussia, PA 19406

Senior Resident Inspector

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