

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293  
 UNIT Pilgrim 1  
 DATE 10/14/86  
 COMPLETED BY P. Hamilton  
 TELEPHONE (617)746-7900

MONTH September 1986

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

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.

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OPERATING DATA REPORT

DOCKET NO. 50-293  
 DATE 10/14/86  
 COMPLETED BY P. Hamilton  
 TELEPHONE (617)746-7900

OPERATING STATUS

1. Unit Name	<u>Pilgrim 1</u>	Notes
2. Reporting Period	<u>September 1986</u>	
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>690</u>	
7. Maximum Dependable Capacity (Net MWe)	<u>670</u>	
8. If Changes Occur in Capacity Ratings (Items 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>720.0</u>	<u>6551.0</u>	<u>121055.0</u>
12. Number Of Hours Reactor Was Critical	<u>0.0</u>	<u>1715.5</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>1646.0</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>3094416.0</u>	<u>134999880.0</u>
17. Gross Electrical Energy Generated(MWH)	<u>0.0</u>	<u>1068000.0</u>	<u>45444604.0</u>
18. Net Electrical Energy Generated (MWH)	<u>0.0</u>	<u>1027531.0</u>	<u>43675429.0</u>
19. Unit Service Factor	<u>0.0</u>	<u>25.1</u>	<u>63.8</u>
20. Unit Availability Factor	<u>0.0</u>	<u>25.1</u>	<u>63.8</u>
21. Unit Capacity Factor (Using MDC Net	<u>0.0</u>	<u>23.4</u>	<u>53.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.0</u>	<u>23.9</u>	<u>55.1</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>66.1</u>	<u>12.1</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>Shutdown for Refueling Outage Number 7 - Outage commenced on July 25, 1986</u>		

25. If Shut Down At End Of Report Period, Estimated Date of Startup -  
April, 1987

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

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

## 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: September 1988
3. Scheduled date for restart following refueling: April 1987
4. Due to their similarity, requests 4, 5, & 6 are responded to collectively under #6:
5. See #6.
6. The new fuel, which was loaded during the 1983-84 refueling outage, is of the same P8x8R design as loaded the previous outage and consists of 160 P8DRB282 assemblies. In addition, 32 GE6B-P8DRB282 assemblies were also loaded.
7. (a) There are 580 fuel assemblies in the core.  
(b) There are 1,128 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 1192 fuel assemblies.

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

Operational Summary for September 1986

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

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Safety Relief Valve Challenges  
Month of September 1986

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

There were no safety relief valve challenges during the month.

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>
Aux Electrical	"B" Diesel Generator	High Lube Oil Differential Pressure	Dirty Lube Oil Filters	Replaced Filters, Cleaned Filter Compartment, and Sampled Oil for Foreign Matter	N/A Routine Maintenance	N/A
Electrical	Y-10 Auto Transfer Switch for 125V Bus D6	Shifted From Normal to Alt. Power Supply	Undervoltage Relay Was Faulty	Replaced and Tested Undervoltage Relay per TP 86-89	Drafting Procedures to Periodically Test Undervoltage Relays	N/A

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

50-293  
Pilgrim 1  
10/14/86  
P. Hamilton  
(617)746-790

REPORT MONTH September 1986

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 PREVENT RECURRENCE
08	7/1/86	F	576.0	B	4	N/A	N/A	N/A	Shutdown for Maintenance and Testing
08	7/25/86	S	168.0	C,B	4	N/A	N/A	N/A	Shutdown for RFO 7 Starting 7/25/86
08	8/1/86	S	744.0	C,B	4	N/A	N/A	N/A	Shutdown for RFO 7
08	9/1/86	S	720.0	C,B	4	N/A	N/A	N/A	Shutdown for RFO 7

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



**BOSTON EDISON**

Executive Offices  
800 Boylston Street  
Boston, Massachusetts 02199

**James M. Lydon**  
Chief Operating Officer

October 14, 1986  
BECO Ltr. #86-160

Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attn: Document Control Desk

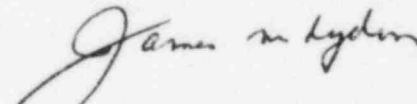
License No. DPR-35  
Docket No. 50-293

Subject: September 1986 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. Please note that the forced/planned outage hours for July and August 1986 have been revised based on our decision to commence Refueling Outage #7 on 7/25/86. The revised information is shown on the Unit Shutdown and Power Reductions page of this report and is also reflected in the unit forced outage rate for the Year to Date and Cumulative (ref. Item #23 of the Operating Data page of this report).

Respectfully submitted,

  
J. M. Lydon

PJH:vep

Attachment

cc: Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

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