

OPERATING DATA REPORT

DOCKET NO. 50-193  
 DATE 7/13/81  
 COMPLETED BY G.G. Whitney  
 TELEPHONE 617-746-7900

OPERATING STATUS

- 1. Unit Name: Pilgrim I
- 2. Reporting Period: June, 1981
- 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:

Notes

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>720.0</u>	<u>4343.0</u>	<u>75023.0</u>
12. Number Of Hours Reactor Was Critical	<u>704.8</u>	<u>4052.4</u>	<u>54237.0</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>704.8</u>	<u>4023.4</u>	<u>52530.3</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>1378632.0</u>	<u>7389672.0</u>	<u>89679048.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>476060.0</u>	<u>2518350.0</u>	<u>29847714.0</u>
18. Net Electrical Energy Generated (MWH)	<u>458259.0</u>	<u>2422640.0</u>	<u>28673247.0</u>
19. Unit Service Factor	<u>97.9</u>	<u>92.6</u>	<u>70.0</u>
20. Unit Availability Factor	<u>97.9</u>	<u>92.6</u>	<u>70.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>95.0</u>	<u>83.3</u>	<u>57.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>37.2</u>	<u>85.2</u>	<u>58.4</u>
23. Unit Forced Outage Rate	<u>2.1</u>	<u>1.4</u>	<u>9.8</u>

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

Refuel Outage commencing September, 1981.

- 25. If Shut Down At End Of Report Period, Estimated Date of Startup: July 8, 1981

	Forecast	Achieved
INITIAL CRITICALITY	<u>      </u>	<u>      </u>
INITIAL ELECTRICITY	<u>      </u>	<u>      </u>
COMMERCIAL OPERATION	<u>      </u>	<u>      </u>

8108200095 810701  
 PDR ADQCK 05000293  
 R PDR

DOCKET NO. 50-293  
 UNIT Pilgrim I  
 DATE 7/13/81  
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MONTH June, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	666.	17	664.
2	666.	18	663.
3	665.	19	660.
4	664.	20	525.
5	662.	21	653.
6	661.	22	666.
7	503.	23	667.
8	661.	24	668.
9	668.	25	666.
10	664.	26	667.
11	664.	27	665.
12	659.	28	664.
13	659.	29	662.
14	650.	30	244.
15	590.	31	0.
16	662.		

**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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

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 UNIT NAME Pilgrim I  
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REPORT MONTH June, 1981

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
9	81/06/07	S	0.0	B	5	NA	HC	HTEXCH	Main Condenser Backwash
10	81/06/20	S	0.0	B	5	NA	HC	HTEXCH	Main Condenser Backwash
11	81/06/30	F	15.2	A	3	NA	EA	TRANSP	Reactor Scram due to Main Transformer Lightning Arrestor Failure.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-3161)

<sup>5</sup>  
 Exhibit I - Same Source

MAJOR SAFETY RELATED MAINTENANCE

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED L.
29.	"E" SSW Pump Discharge Check Valve	Leak By	Bad Disc	Rebuilt	Inflated Request for Design Change in Material of the Disk	Yes
46	125V DC "A" Battery	Surveillance Readings Missed	Dirty Terminals	Cleaned Terminals	Scheduled Cleaning of Terminals	Yes

## 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, 1981
3. Scheduled date for restart following refueling:
- 4.
5. Due to their similarity, requests 4, 5, & 6 are responded to collectively:
6. The fuel, which had been loaded during the 1980 scheduled refueling outage, is of the new P8x8R design, consisting of approximately 64 P8DRB282 assemblies and 120 P8DRB265 assemblies.
7. (a) There are 580 fuel assemblies in the core.  
(b) There are 764 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 1006 fuel assemblies.

PILGRIM NUCLEAR POWER STATION

Summary of Operations for JUNE, 1981

On June 1, 1981, PNPS was operating at 100% reactor power with identified seal leakage on "A" Reactor Recirculation Pump. Except for two weekend power reductions to backwash the main condenser, the unit continued to operate at approximately 100% until June 30 at 0849 hours when a lightning arrester on the main transformer faulted, causing a unit trip. The unit was placed in cold shutdown for repairs to the main transformer and recirculation pump seals.

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Safety/Relief Valve Challenges for June, 1981:

Report Requirement: TMI T.A.P. II.K.3.3

No challenges for this month.