

OPERATING DATA REPORT

DOCKET NO. 50-293
 DATE 08/10/82
 COMPLETED BY G.G. Whitney
 TELEPHONE 617-746-7900

OPERATING STATUS

1. Unit Name: Pilgrim I
 2. Reporting Period: July, 1982
 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.

Notes

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>744.0</u>	<u>5087.0</u>	<u>84527.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>2814.4</u>	<u>58847.7</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>2592.9</u>	<u>56870.8</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>1449696.0</u>	<u>4570968.0</u>	<u>97388856.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>503230.0</u>	<u>1576870.0</u>	<u>32488104.0</u>
18. Net Electrical Energy Generated (MWH)	<u>484281.0</u>	<u>1517953.0</u>	<u>31212437.0</u>
19. Unit Service Factor	<u>100.0</u>	<u>51.0</u>	<u>67.3</u>
20. Unit Availability Factor	<u>100.0</u>	<u>51.0</u>	<u>67.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.2</u>	<u>44.5</u>	<u>55.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.4</u>	<u>45.6</u>	<u>56.4</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>5.9</u>	<u>9.9</u>

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

None

25. If Shut Down At End Of Report Period, Estimated Date of Startup: Unit Operating

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

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
 UNIT Pilgrim I
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MONTH JULY, 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	666.	17	620.
2	665.	18	479.
3	664.	19	657.
4	663.	20	661.
5	663.	21	664.
6	664.	22	663.
7	665.	23	663.
8	665.	24	661.
9	664.	25	661.
10	663.	26	661.
11	645.	27	659.
12	659.	28	661.
13	657.	29	662.
14	656.	30	660.
15	654.	31	581.
16	654.		

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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 DATE 08/10/82
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 TELEPHONE 617-746-7900

REPORT MONTH JULY, 1982

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
24	82/07/17	S	0.0	B	5	NA	HC	HTEXCH	Reduce load for condenser backwash and other maintenance.

¹
 F: Forced
 S: Scheduled

²
 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)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

⁴
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

⁵
 Exhibit I - Same Source

SUMMARY OF OPERATIONS FOR MONTH OF JULY

Unit was operating at 100% power until July 11, when power was reduced to 70% to correct rod pattern due to control rod 22-39 being inserted to 00 due to problems with rod. Rx power was returned to 100% at 0900 on July 11, 1982.

July 13, started trimming power over low tide to maintain condenser ΔT below 32° F. July 17, 1982, power was reduced to 50% to backwash and heat treat the condenser. Control Rod 22-39 was withdrawn to position 48 and unit was returned to 100% Rx power on July 19, 1982.

On July 20, power was reduced to 70% due to alarm on Main Steam hi radiation caused when putting "C" demin on line at 1535. Unit was returned to 100% at 1925.

HPCI was declared inop on July 21, 1982 and returned to service on July 22, 1982.

July 31, power was reduced to 50% to backwash and heat treat condenser.

SAFETY/RELIEF VALVE CHALLENGES

MONTH OF JULY, 1982

Requirement: T.M.I. T.A.P. II.K.3.3

No safety/relief valve challenges for the month of July, 1982.

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, 1983
3. Scheduled date for restart following refueling: November, 1983
- 4.
5. Due to their similarity, requests 4, 5, & 6 are responded to collectively:
6. The fuel, which had been loaded during the 1981 scheduled refueling outage, is of the same P8x8R design, as loaded the previous outage consisting of 112 P8DRB282 assemblies and 60 P8DRB265 assemblies.
7. (a) There are 580 fuel assemblies in the core.
(b) There are 936 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 834 fuel assemblies.

MAJOR SAFETY RELATED MAINTENANCE

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED LER
Fire	Fire Detection Panel C-220	Could not reset alarm	faulty switch	replace switch	isolated event	82-018/03L-0
SBGTS	Stand By Gas Treatment Service	Low flow	Clogged filters	Clean filters	See Associated LER	82-019/03L-0
Circulating	Main Condenser	ΔT increasing	Marine fouling	Backwash (twice)	N/A	N/A
HPCI	Speed Control	None	None	Installation of Ramp Generator	N/A	N/A