

OPERATING DATA REPORT

DOCKET NO 50-293
 DATE 4/6/81
 COMPLETED BY G. G. Whitney
 TELEPHONE (617)746-7900

OPERATING STATUS

1. Unit Name:	<u>Pilgrim I</u>	Notes
2. Reporting Period:	<u>March, 1981</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>	

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>2160.0</u>	<u>72840.0</u>
12. Number Of Hours Reactor Was Critical	<u>517.5</u>	<u>1893.4</u>	<u>52078.0</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>502.5</u>	<u>1868.6</u>	<u>50375.5</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>976632.0</u>	<u>3273792.0</u>	<u>85563168.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>339660.0</u>	<u>1098030.0</u>	<u>28427394.0</u>
18. Net Electrical Energy Generated (MWH)	<u>326942.0</u>	<u>1055967.0</u>	<u>27306574.0</u>
19. Unit Service Factor	<u>67.5</u>	<u>86.5</u>	<u>69.2</u>
20. Unit Availability Factor	<u>67.5</u>	<u>86.5</u>	<u>69.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>65.6</u>	<u>73.0</u>	<u>56.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>67.1</u>	<u>74.6</u>	<u>57.2</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>1.5</u>	<u>10.1</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>None</u>		

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>

810423 0642

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
 UNIT Pilgrim I
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MONTH March 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	670
2	0	18	668
3	0	19	668
4	0	20	665
5	0	21	666
6	0	22	582
7	0	23	669
8	0	24	670
9	0	25	667
10	0	26	665
11	439	27	658
12	665	28	663
13	671	29	582
14	673	30	671
15	671	31	670
16	670		

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

REPORT MONTH March, 1981

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 DATE 4/6/81
 COMPLETED BY G.G. Whitney
 TELEPHONE (617) 746-7900

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
5	81/02/28	S	241.5	B	1	N/A	HB	HTEXCH	Unit shutdown to install bypass of 4th point heat exchanger.

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 (NURIG-0161)

⁵
 Exhibit I - Same Source

PILGRIM NUCLEAR POWER STATION

SUMMARY OF OPERATIONS

for

MARCH 1981

On March 1, 1981, the Unit was off line for tube plugging the "B" 4th Point Feedwater heater, installing a bypass around the 4th point heater, and replacement of the RCIC inboard isolation valve (M01301-16). The reactor was brought critical at 1331 hours on March 10 and the generator was synchronized to the grid at 0132 hours on March 11, and unit returned to 100% power.

The unit operated on 100% with minor trimming for condenser delta temperature and control rod exercises until March 21 when power was reduced to 50% for a condenser backwash. The unit was returned to 100% and remained there until March 28 when power was again reduced to 50% for another backwash. Following the backwash, the unit was returned to 100% and remained there for the rest of March.

Safety/Relief Valve Challenges

Month of March 1981

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

No challenges for the month.

MAJOR SAFETY RELATED MAINTENANCE

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED I
	MO 1301-16	High Maintenance Item	High Main- tenance Vv	Replaced Valve	Replaced Valve with Superior Valve	
	MO 202-4A	Packing Leak	Normal	Repacked	Repacked with Preformed Packing	
	MO 202-5A	Packing Leak	Normal	Repacked	Repacked with Preformed Packing	
	MO 202-4B	Packing Leak	Normal	Repacked	Repacked with Preformed Packing	
	MO 202-5B	Packing Leak	Normal	Repacked	Repacked with Preformed Packing	
	MO-2301-5	M.O. Failed	Gear Jammed	Repaired Motor Operator	First incident at Station, Vendor reports that it was not a common failure - no further action	

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.