



Entergy Nuclear Generation Company  
Pilgrim Nuclear Power Station  
600 Rocky Hill Road  
Plymouth, MA 02360

J. F. Alexander  
Director  
Nuclear Assessment

October 13, 2000  
ENGCLtr. 2.00.069

Tech. Spec. 5.6.4

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

Docket No. 50.293  
License No. DPR-35

**September 2000 Monthly Operating Report**

In accordance with Pilgrim Nuclear Power Station Technical Specification 5.6.4, the operational status summary for Pilgrim Nuclear Power Station is provided in the attachment for your information and planning. Should you have questions or comments concerning this report, please contact Joseph Egan at (508) 830-8915.

Sincerely,

A handwritten signature in black ink that reads "J.F. Alexander for JFA".

J.F. Alexander

JWE/

Attachment: September 2000 Monthly Operating Report

cc: Mr. Hubert Miller  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Senior Resident Inspector

JE24

## Attachment

**OPERATING DATA REPORT**

DOCKET NO. 50-293  
 NAME: Pilgrim  
 COMPLETED BY: J.W. Egan  
 TELEPHONE: (508) 830-8915  
 REPORT MONTH: September 2000

**OPERATING STATUS****NOTES**

- |  |                |
|--|----------------|
| 1. Unit Name   | Pilgrim I      |
| 2. Reporting Period  | September 2000 |
| 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)   | 696            |
| 7. Maximum Dependable Capacity (Net MWe)   | 670            |
| 8. If Changes Occur in Capacity Ratings (Item Numbers 3 through 7) Since Last Report, Give Reasons:<br><u>No Changes</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	720.0	6,575.0	243,791.0
12. Hours Reactor Critical	720.0	6,523.1	164,388.8
13. Hours Reactor Reserve Shutdown	0.0	0.0	0.0
14. Hours Generator On-Line	718.5	6,368.1	159,282.0
15. Hours Unit Reserve Shutdown	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,339,010.4	12,418,811.3	288,684,893.3
17. Gross Electrical Energy Generated (MWH)	457,640.0	4,297,420.0	98,157,814.0
18. Net Electrical Energy Generated (MWH)	439,455.0	4,135,601.7	94,385,736.7
19. Unit Service Factor	99.8	96.9	65.3
20. Unit Availability Factor	99.8	96.9	65.3
21. Unit Capacity Factor (Using MDC Net)	91.1	93.9	57.8
22. Unit Capacity Factor (Using DER Net)	93.2	96.0	59.1
23. Unit Forced Outage Rate	0.2	3.1	10.3
24. Shutdowns, Scheduled Outages Over Next 6 Months (Type, Date, Duration) <u>None</u>			
25. If Shutdown at End of Report Period, Estimated Date of Start-Up: <u>10/5/00</u>			

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**OPERATIONAL SUMMARY**

The plant entered the reporting period at 100 percent core thermal power (CTP) where it was essentially maintained until September 4, 2000. At 0805 hours on September 4, power was trimmed to 90% CTP to moderate condenser performance and later that day (at 1615 hours) reduced to approximately 45% CTP to perform a regular backwash of the main condenser. On September 5 at 0240 hours, power was restored to approximately 100 percent CTP, where it was essentially maintained until 1230 hours on September 8, 2000. At this time, power was first trimmed and then reduced to approximately 50% CTP to perform a regular backwash of the main condenser, which was completed at 1430 hours on September 9, 2000.

At 2047 hours on September 9, 100 percent CTP was achieved and maintained until 2200 hours on September 14, when power was reduced to approximately 40 percent CTP to perform cleaning of the main condenser inlet waterboxes as well as the intake structure. Reactor power was restored to approximately 100 percent CTP at 1515 hours on September 16, 2000, and essentially remained there until 2209 hours on September 29, 2000, when a unit shutdown was commenced to investigate a suspected tube leak in the fifth-point feedwater heater. During this shutdown, other maintenance was performed, including cleaning of the "B" RBCCW heat exchanger and valve work. The unit remained shutdown through the end of the reporting period.

**UNIT SHUTDOWNS**

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	CAUSE/ CORRECTIVE ACTION/COMMENTS
		1		2	3	
2	9-30-00	F	1.5	A	1	

1

F - Forced  
S - Scheduled

2

A - Equip Failure  
B - Main or Test  
C - Refueling  
D - Regulatory Restriction  
E - Operator Training & License Examination  
F - Admin  
G - Operation Error  
H - Other

3

1 - Manual  
2 - Manual Scram  
3 - Auto Scram  
4 - Continuation  
5 - Other