



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

J. F. Alexander
Director
Nuclear Assessment

ENGC Ltr. 2.00.078

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

October 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, appearing to be "J.F. Alexander", written over a printed name.

J.F. Alexander

JWE/

Attachment: October 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

IE24

Attachment

OPERATING DATA REPORT

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

OPERATING STATUSNOTES

1. Unit Name Pilgrim I
 2. Reporting Period October 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:
No Changes

9. Power Level To Which Restricted, If Any (Net MWe): None

10. Reasons For Restrictions, If Any: N/A

	<u>THIS MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. Hours in Reporting Period	745.0	7,320.0	244,536.0
12. Hours Reactor Critical	650.8	7,173.9	165,039.6
13. Hours Reactor Reserve Shutdown	0.0	0.0	0.0
14. Hours Generator On-Line	623.8	6,991.9	159,905.8
15. Hours Unit Reserve Shutdown	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,216,468.8	13,635,280.1	289,901,362.1
17. Gross Electrical Energy Generated (MWH)	422,100.0	4,719,520.0	98,579,914.0
18. Net Electrical Energy Generated (MWH)	405,908.4	4,541,510.1	94,791,645.1
19. Unit Service Factor	83.7	95.5	65.4
20. Unit Availability Factor	83.7	95.5	65.4
21. Unit Capacity Factor (Using MDC Net)	81.3	92.6	57.9
22. Unit Capacity Factor (Using DER Net)	83.2	94.7	59.2
23. Unit Forced Outage Rate	16.3	4.5	10.3
24. Shutdowns, Scheduled Outages Over Next 6 Months (Type, Date, Duration)	Refuel outage #13 scheduled to start April 14, 2001 and expected to last 35 days.		
25. If Shutdown at End of Report Period, Estimated Date of Start-Up: <u>Unit Operating</u>			

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OPERATIONAL SUMMARY

Pilgrim Station entered the reporting period in the process of shutting down in order to investigate and repair a tube leak in the fifth-point feedwater heater. Power reduction had already commenced at 2209 hours on September 29, 2000 and the main electrical generator had been taken off-line at 2232 hours on September 30. At midnight on October 1, 2000, reactor power was being lowered from approximately 14 percent core thermal power (CTP) and the reactor was manually shut down at 0515 hours on October 1. During this shutdown other maintenance was performed, including cleaning of the "B" RBCCW heat exchanger as well as valve work.

Unit startup was commenced on October 5, 2000 when reactor criticality was achieved at 0328 hours. On October 6, at 0112 hours, the main electrical generator was returned to service and synchronized to the grid.

At 2335 hours on October 7, a power reduction was commenced to perform a control rod pattern adjustment. Upon completion, reactor power was raised from 66% CTP on October 8 at 0230 hours, and restored to approximately 100 percent at 0430 hours later that morning, where it was essentially maintained through the end of the reporting period.

UNIT SHUTDOWNS

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

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