



**Boston Edison**

Pilgrim Nuclear Power Station  
Rocky Hill Road  
Plymouth, Massachusetts 02360-5599

October 14, 1998  
BECo Ltr. 2.98.134

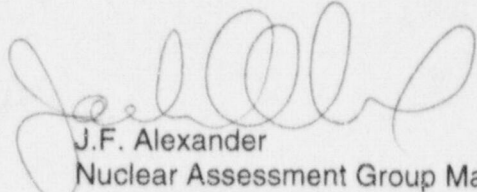
**J.F. Alexander**  
Nuclear Assessment Group Manager

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

Docket No. 50.293  
License No. DPR-35

**September 1998 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 Marie Lenhart at (508) 830-7937.



J.F. Alexander  
Nuclear Assessment Group Manager

MTL/298134  
Attachment: September 1998 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  
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OPERATING DATA REPORT

DOCKET NO. 50-293  
 NAME: Pilgrim  
 COMPLETED BY: M. T. Lenhart  
 TELEPHONE: (508) 830-7937  
 REPORT MONTH: September 1998

OPERATING STATUSNOTES

1. Unit Name Pilgrim I  
 2. Reporting Period September 1998  
 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   | 720.0             | 6551.0            | 226,247.0         |
| 12. Hours Reactor Critical  | 720.0             | 6551.0            | 148,265.9         |
| 13. Hours Reactor Reserve Shutdown  | 0.0               | 0.0               | 0.0               |
| 14. Hours Generator On-Line   | 720.0             | 6551.0            | 143,562.5         |
| 15. Hours Unit Reserve Shutdown   | 0.0               | 0.0               | 0.0               |
| 16. Gross Thermal Energy Generated (MWH)  | 1,369,642.0       | 12,745,208.0      | 258,356,648.0     |
| 17. Gross Electrical Energy Generated (MWH)                                       | 467,410.0         | 439,318.0         | 87,682,664.0      |
| 18. Net Electrical Energy Generated (MWH)   | 449,842.0         | 4,232,395.0       | 84,310,789.0      |
| 19. Unit Service Factor   | 100.0             | 100.0             | 63.5              |
| 20. Unit Availability Factor  | 100.0             | 100.0             | 63.5              |
| 21. Unit Capacity Factor (Using MDC Net)  | 93.3              | 96.4              | 55.6              |
| 22. Unit Capacity Factor (Using DER Net)  | 95.4              | 98.6              | 56.9              |
| 23. Unit Forced Outage Rate   | 0.0               | 0.0               | 11.0              |
| 24. Shutdowns, Scheduled Over Next 6 Months<br>(Type, Date, and Duration of Each) | None              |                   |                   |
| 25. If Shutdown At End Of Report Period,  | Unit Operating    |                   |                   |

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**OPERATION SUMMARY**

The plant entered September at 100% core thermal power (CTP). Minor power reductions were performed on 9/1 through 9/6 to avoid exceeding main condenser vacuum and hotwell temperature limits. On 9/6, at 2130 hours, the plant commenced reducing power to perform a backwash of the main condenser. On 9/7, at 0800 hours, the plant attained 100% CTP where it was essentially maintained until 9/18. On 9/18, at 2100 hours, the plant commenced a scheduled power reduction to facilitate entry into the main condenser waterboxes for inspection and cleaning. On 9/20, at 2335 hours the plant attained 100% CTP. On 9/21, at approximately 2000 hours, the plant briefly reduced power to adjust the rod pattern. On 9/21, at approximately 2300 hours, the plant attained 100% CTP where it was maintained through the end of September.

**UNIT SHUTDOWNS**

| NO. | DATE | TYPE<br>1 | DURATION<br>(HOURS) | REASON<br>2 | METHOD OF<br>SHUTTING DOWN<br>REACTOR<br>3 | CAUSE/ CORRECTIVE ACTION/COMMENTS |
|-----|------|-----------|---------------------|-------------|--|-----------------------------------|
|     |      |           |                     |             |  |                                   |
|     |      |           |                     |             |  |                                   |

No unit shutdowns occurred during this reporting period.

- |                             |   |   |
|-----------------------------|---|---|
| 1                           | 2   | 3   |
| F - Forced<br>S - Scheduled | A - Equip Failure<br>B - Main or Test<br>C - Refueling<br>D - Regulatory Restriction<br>E - Operator Training &<br>License Examination<br>F - Admin<br>G - Operation Error<br>H - Other | 1 - Manual<br>2 - Manual Scram<br>3 - Auto Scram<br>4 - Continuation<br>5 - Other |