

OPERATING DATA REPORT

DOCKET NO. 50-293  
 DATE 12/05/80  
 COMPLETED BY G.G. Whitney  
 TELEPHONE 617-746-7900

OPERATING STATUS

1. Unit Name: Pilgrim I  
 2. Reporting Period: November, 1980  
 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.  
 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

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>720.0</u>    | <u>8040.0</u>    | <u>69936.0</u>    |
| 12. Number Of Hours Reactor Was Critical                                       | <u>603.8</u>    | <u>4459.7</u>    | <u>49440.6</u>    |
| 13. Reactor Reserve Shutdown Hours   | <u>0.0</u>      | <u>0.0</u>       | <u>0.0</u>        |
| 14. Hours Generator On-Line  | <u>515.6</u>    | <u>4210.4</u>    | <u>47762.9</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>985296.0</u> | <u>7719312.0</u> | <u>80810424.0</u> |
| 17. Gross Electrical Energy Generated (MWH)                                    | <u>342960.0</u> | <u>2648970.0</u> | <u>26813804.0</u> |
| 18. Net Electrical Energy Generated (MWH)                                      | <u>330160.0</u> | <u>2548102.0</u> | <u>25754225.0</u> |
| 19. Unit Service Factor  | <u>71.6</u>     | <u>52.4</u>      | <u>68.3</u>       |
| 20. Unit Availability Factor   | <u>71.6</u>     | <u>52.4</u>      | <u>68.3</u>       |
| 21. Unit Capacity Factor (Using MDC Net)                                       | <u>68.4</u>     | <u>47.3</u>      | <u>55.0</u>       |
| 22. Unit Capacity Factor (Using DER Net)                                       | <u>70.0</u>     | <u>48.4</u>      | <u>56.2</u>       |
| 23. Unit Forced Outage Rate  | <u>28.4</u>     | <u>10.0</u>      | <u>10.6</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  
 DATE 12/05/80  
 COMPLETED BY G.G. Whitney  
 TELEPHONE 617-746-7900

MONTH NOVEMBER, 1980

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|-----|--|
| 1   | 232.                                   | 17  | 698.                                   |
| 2   | 638.                                   | 18  | 697.                                   |
| 3   | 698.                                   | 19  | 698.                                   |
| 4   | 698.                                   | 20  | 697.                                   |
| 5   | 698.                                   | 21  | 698.                                   |
| 6   | 541.                                   | 22  | 697.                                   |
| 7   | 0.                                     | 23  | 696.                                   |
| 8   | 0.                                     | 24  | 695.                                   |
| 9   | 0.                                     | 25  | 697.                                   |
| 10  | 0.                                     | 26  | 695.                                   |
| 11  | 0.                                     | 27  | 697.                                   |
| 12  | 0.                                     | 28  | 698.                                   |
| 13  | 0.                                     | 29  | 697.                                   |
| 14  | 3.                                     | 30  | 613.                                   |
| 15  | 430.                                   | 31  | 0.                                     |
| 16  | 680.                                   |     |  |

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 NOVEMBER, 1980

DOCKET NO. 50-293  
 UNIT NAME Pilgrim I  
 DATE 12/0/80  
 COMPLETED BY C. G. Whitney  
 TELEPHONE 617-746-7900

| No. | Date     | Type <sup>1</sup> | Duration (Hours) | Reason <sup>2</sup> | Method of Shutting Down Reactor <sup>3</sup> | Licensee Event Report # | System Code <sup>4</sup> | Component Code <sup>5</sup> | Cause & Corrective Action to Prevent Recurrence               |
|-----|----------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|---|
| 11  | 80/10/31 | F                 | 8.7              | A                   | I  | 80-80/01X0              | SF                       | VALVEX                      | High N2 Pressure to SV caused SRV to lift. Pressure reduced.  |
| 12  | 80/11/06 | F                 | 195.7            | A                   | M  | 80-80/03L0              | CI                       | VALVEX                      | Unidentified leakage in drywell. Various components repaired, |

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

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

<sup>5</sup>  
 Exhibit I - Same Source

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 No. 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.

POOR ORIGINAL

BOSTON EDISON COMPANY

PILGRIM NUCLEAR POWER STATION

Summary of Operations for November , 1980

The unit went on the line at 0845 on Saturday Nov. 1. The power level was increased to 57% by 0900. Continued to increase the power level and reached 100% power at 2300. Maintained the power level at 100%, until 1924 on Thursday Nov. 6, when the reactor was scrambled due to unidentified leakage in the drywell.

Completed repairs to leaking components in the drywell and put the unit back on the line at 2308 on Friday Nov. 14. Increased power to 57% by 0800 on Sat. Nov. 15. Continued to increase the power level and reached 100% power at 1000 on Sunday Nov. 16. Maintained 100% power until 0800 on Sunday Nov. 30, when the power was reduced to 50% to backwash the condenser.

PILGRIM NUCLEAR POWER STATION  
MAJOR SAFETY RELATED MAINTENANCE

Month November, 1980

| SYSTEM | COMPONENT                            | MALFUNCTION                           | CAUSE                      | MAINTENANCE                          | CORRECTIVE ACTION<br>TO PREVENT RECURRENCE | ASSOCIATED LER |
|--------|--------------------------------------|---------------------------------------|----------------------------|--------------------------------------|--|----------------|
| 1      | "D" MSIV                             | Bonnet Gasket Leaking                 | Normal                     | Installed bonnet band and furmanited |  |                |
| 2      | MO-202-5B                            | Packing Leak                          | Normal                     | Repacked                             |  | 80-087/03L-0   |
| 23     | MOV-2301-9                           | Ground                                | Wire rubbing against frame | Cleared                              |  |                |
| 46     | Reactor Doors                        | Both doors capable of opening         | Broken switch              | Replaced switch                      |  |                |
| 64     | Guard House diesel                   | Water line broke and heater burnt out | N/A                        | Replaced hose and heater             |  |                |
| 12     | 16AK-36A Coil                        | Coil Shorted                          | N/A                        | Replaced Coil                        |  |                |
| 12     | Rx. cleanup suction line socket weld | Leak                                  | Construction Defect        | Rewelded                             |  | 80-084/01T-1   |
|        |                                      |                                       |                            |                                      |  |                |
|        |                                      |                                       |                            |                                      |  |                |
|        |                                      |                                       |                            |                                      |  |                |