

OPERATING DATA REPORT

DOCKET NO. 50-293
DATE 01/14/82
COMPLETED BY G.G. Whitney
TELEPHONE 617-746-7900

OPERATING STATUS

1. Unit Name: Pilgrim I
2. Reporting Period: December, 1981
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 | 744.0 | 8760.0 | 79440.0 |
| 12. Number Of Hours Reactor Was Critical | 0.0 | 5848.7 | 56033.3 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 0.0 | 5771.0 | 54277.9 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 0.0 | 10528512.0 | 92817888.0 |
| 17. Gross Electrical Energy Generated (MWH) | 0.0 | 3581870.0 | 30911234.0 |
| 18. Net Electrical Energy Generated (MWH) | 0.0 | 3443877.0 | 29694484.0 |
| 19. Unit Service Factor | 0.0 | 65.9 | 68.3 |
| 20. Unit Availability Factor | 0.0 | 65.9 | 68.3 |
| 21. Unit Capacity Factor (Using MDC Net) | 0.0 | 58.7 | 55.8 |
| 22. Unit Capacity Factor (Using DER Net) | 0.0 | 60.0 | 57.1 |
| 23. Unit Forced Outage Rate | 0.0 | 6.4 | 10.0 |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): | | | |

Refuel Outage commenced 09/26/81

25. If Shut Down At End Of Report Period, Estimated Date of Startup: February, 1982

| 26. Units In Test Status (Prior to Commercial Operation): | Forecast | Achieved |
|-----------------------------------------------------------|----------|----------|
| INITIAL CRITICALITY | _____ | _____ |
| INITIAL ELECTRICITY | _____ | _____ |
| COMMERCIAL OPERATION | _____ | _____ |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
 UNIT Pilgrim I
 DATE 01/14/82
 COMPLETED BY G.G. Whitney
 TELEPHONE 617-746-7900

MONTH DECEMBER, 1981

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|----------------------------------------|
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0 |
| 9 | 0 |
| 10 | 0 |
| 11 | 0 |
| 12 | 0 |
| 13 | 0 |
| 14 | 0 |
| 15 | 0 |
| 16 | 0 |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|----------------------------------------|
| 17 | 0 |
| 18 | 0 |
| 19 | 0 |
| 20 | 0 |
| 21 | 0 |
| 22 | 0 |
| 23 | 0 |
| 24 | 0 |
| 25 | 0 |
| 26 | 0 |
| 27 | 0 |
| 28 | 0 |
| 29 | 0 |
| 30 | 0 |
| 31 | 0 |

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 December, 1981DOCKET NO. 50-293UNIT NAME Pilgrim 1DATE 01/14/82COMPLETED BY G.G. WhitneyTELEPHONE 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 |
|-----|----------|-------------------|---------------------|---------------------|----------------------------------------------------|-------------------------------|-----------------------------|--------------------------------|-------------------------------------------------------|
| 18 | 81/09/26 | S | 744.0 | C | s | N/A | RC | FUELXX | Refuel Outage Continues |

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 (NUREG-
0161)

5

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 Number 50-293.
2. Scheduled date for next Refueling Shutdown: September, 1983
3. Scheduled date for restart following refueling: November, 1983
- 4.
5. Due to their similarity, requests 4, 5, & 6 are responded to collectively:
6. The fuel, which had been loaded during the 1981 scheduled refueling outage, is of the same P8x8R design, as loaded the previous outage consisting of 112 P8DRB282 assemblies and 60 P8DRB265 assemblies.
7. (a) There are 580 fuel assemblies in the core.
(b) There are 936 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 834 fuel assemblies.

BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION

Summary of Operations for DECEMBER, 1981

The unit has been shut down all month for the 1981 Refueling Outage.
All outage work continues.

Safety/Relief Valve Challenges for December, 1981:

Report Requirement: TMI T.A.P. II.K.33

No challenges for this month. Refuel Outage

MAJOR SAFETY RELATED MAINTENANCE

DECEMBER, 1981

| ITEM | COMPONENT | MALFUNCTION | CAUSE | MAINTENANCE | CORRECTIVE ACTION TO PREVENT RECURRENCE | ASSOCIATED L |
|------|----------------------------------|-----------------------------------------------|-------------------------|----------------------------|--------------------------------------------|--------------|
| 9 | 18" J.F. 29 Pipe B Loop - SSW | Rubber lined pipe damaged and e- roded. | | Renew Rubber | N/A | |
| 54 | Closing of vessel | Refueling | | Installing com- ponents | N/A | |
| 29 | P208C Pump SSW | Repairs to Gears | | Repairs to Bear- ing | Initiate Material Evaluation | |
| 1 | "A" MSIV Outboard | Failed LLRT | Improper Maintenance | Rebuild & Lap | N/A | |