

OPERATING DATA REPORT

DOCKET NO. 50-293
 DATE 1/07/80
 COMPLETED BY C.M. Gaffney
 TELEPHONE 617-746-7900

OPERATING STATUS

1. Unit Name: PILGRIM I
2. Reporting Period: December, 1979
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>744.0</u>	<u>8760.0</u>	<u>61896.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>7933.2</u>	<u>44980.9</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>7829.9</u>	<u>43552.5</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>1404960.0</u>	<u>14649312.0</u>	<u>73091112.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>483780.0</u>	<u>5034360.0</u>	<u>24164834.0</u>
18. Net Electrical Energy Generated (MWH)	<u>464639.0</u>	<u>4844559.0</u>	<u>23206123.0</u>
19. Unit Service Factor	<u>100.0</u>	<u>89.4</u>	<u>70.4</u>
20. Unit Availability Factor	<u>100.0</u>	<u>89.4</u>	<u>70.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>93.2</u>	<u>82.5</u>	<u>56.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>95.3</u>	<u>84.4</u>	<u>57.2</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>10.2</u>	<u>10.6</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

REFUEL OUTAGE COMMENCING JANUARY 5, 1980 TO APRIL 7, 1980.

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> |

90023238

8001150 504

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
UNIT PILGRIM I
DATE 1/07/80
COMPLETED BY C.M. Gaffney
TELEPHONE 617-746-7900

MONTH DECEMBER, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>350.</u>
2	<u>558.</u>
3	<u>656.</u>
4	<u>664.</u>
5	<u>665.</u>
6	<u>664.</u>
7	<u>663.</u>
8	<u>663.</u>
9	<u>662.</u>
10	<u>665.</u>
11	<u>663.</u>
12	<u>659.</u>
13	<u>656.</u>
14	<u>648.</u>
15	<u>651.</u>
16	<u>604.</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>646.</u>
18	<u>530.</u>
19	<u>514.</u>
20	<u>653.</u>
21	<u>636.</u>
22	<u>635.</u>
23	<u>630.</u>
24	<u>629.</u>
25	<u>626.</u>
26	<u>624.</u>
27	<u>618.</u>
28	<u>621.</u>
29	<u>643.</u>
30	<u>634.</u>
31	<u>630.</u>

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.

(01/77)

90023239

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: January 1980
3. Scheduled date for restart following refueling: April 1980
- 4.
5. Due to their similarity, requests 4, 5 & 6 are responded to collectively.
6. The fuel, which is presently expected to be loaded during the next scheduled refueling outage, is of the new P8x8R design, consisting of approximately 64 P8DRB282 assemblies and 120 P8DRB265 assemblies. The licensing submittal and proposed Technical Specification changes are expected to be submitted on or about December 21, 1979.
7. (a) There are 580 fuel assemblies in the core.
(b) There are 580 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 1190 fuel assemblies.

90023240

BOSTON EDISON COMPANY

PILGRIM NUCLEAR POWER STATION

Summary of Operations for December, 1979

On December 1, the power was reduced to 50% for about 24 hours to backwash the main condenser and to check for air in-leakage to the condenser. During this period, power was reduced to 15% for a short time due to vacuum problems.

Power was increased to 80% on 12/2/79 at 0800 and reached 100% power at 0800 on 12/3/79. Maintained 100% power until 12/11/79 when we started "coast down". Power decreased about 1% per day.

On 12/16/79, power was reduced and a control rod adjustment was made and power was returned to 98%. A recirc. pump was tripped on 12/18/79 due to cable tray work, which caused a power reduction to about 60%. During this time, some miscellaneous repairs were made to 'B' R.F.P.

Power was increased to 100% on 12/20/79, but failed to stay at 100% due to end of life "coast-down". Power continued to reduce to 93% on 12/28/79. Removed the 1st point heaters from service and the power level was 96% on 12/31/79.

The plant availability for the month was 100%. The Plant capacity factor for the month was 93.2%. The 1979 availability was 89.3%. The 1979 capacity factor was 82.55%.

The capacity factor for December was 93.2% due to the fact that power had to be reduced for condenser work.

90023241

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH DECEMBER, 1979

DOCKET NO. 50-293
 UNIT NAME PILGRIM I
 DATE 1/07/80
 COMPLETED BY C.M. Gaffney
 TELEPHONE 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
19	79/11/01	S	0.0	B	4				Condenser backwash and leak check.
20	79/11/18	F	0.0	H	4				'B' recirc. M. G. set tripped due to fault in cable.

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

(9/77)

90023242

Month
December, 1979

PILGRIM NUCLEAR POWER STATION
MAJOR SAFETY RELATED MAINTENANCE

[illegible]