OPERATING DATA REPORT

DOCKET NO. 50-293
DATE 08/01/80
COMPLETED BY M.T.McLoughlin
TELEPHONE 617-746-7900

OPERATING STATUS

1. Unit Name: Pilgrim I
2. Reporting Period: July, 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:

NONE

Notes

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	5111.0	67007.0
12. Number Of Hours Reactor Was Critical	709.5	1868.5	46849.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	690.3	1756.9	45309.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1327872.0	3058200.0	76149312.0
17. Gross Electrical Energy Generated (MWH)	454320.0	1041060.0	25205894.0
18. Net Electrical Energy Generated (MWH)	437208.0	1000983.0	24207106.0
19. Unit Service Factor	92.8	34.4	67.6
20. Unit Availability Factor	92.8	34.4	67.6
21. Unit Capacity Factor (Using MDC Net)	87.7	29.2	53.9
22. Unit Capacity Factor (Using DER Net)	89.7	29.9	55.2
23. Unit Forced Outage Rate	0.0	2.4	10.4

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		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

8008190492

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
UNIT Pilgrim I
DATE 08/01/80
COMPLETED BY M.T.McLoughlin
TELEPHONE 617-746-7900

MONTH JULY, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	659.	17	651.
2	656.	18	608.
3	652.	19	562.
4	647.	20	566.
5	640.	21	663.
6	602.	22	664.
7	659.	23	666.
8	659.	24	665.
9	653.	25	113.
10	647.	26	0.
11	652.	27	152.
12	651.	28	598.
13	586.	29	663.
14	657.	30	662.
15	656.	31	645.
16	663.		

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.

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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-293
UNIT NAME Pilgrim 1
DATE 08/01/80
COMPLETED BY M.T.McLoughlin
TELEPHONE 617-746-7900

REPORT MONTH JULY, 1980

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
5	80/07/25	S	53.7	B	M				Reactor Scram performed to comply with IE Bulletin 80-17.

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

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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 has been loaded during the present scheduled refueling outage, is of the new P8x8R design, consisting of approximately 64 P8DRB282 assemblies and 120 P8DRB265 assemblies.

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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.

PILGRIM NUCLEAR POWER STATION
MAJOR SAFETY RELATED MAINTENANCE

Month July, 1980

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED LER
29	'A' S.S.W.P.	Vibration	Worn	Overhaul	Normal Wear	N/A
29	'B' S.S.W.P.	Vibration	Worn	Overhaul	Normal Wear	N/A
29	'D' S.S.W.P.	Vibration	Worn	Overhaul	Normal Wear	N/A
3	RCIC Pump	Main Pump Leaking	Blown Gasket	Replaced Pump Gasket	N/A	N/A
1	'C' Relief Valve	Solenoid Leaking	Solenoid Valve Not Seated	Replace Solenoid	Target Rock to form	N/A
1	'D' Relief Valve	Valve Failed to Open	Solenoid Leaking	Replaced Solenoid	Target Rock to form	N/A

BOSTON EDISON COMPANY

PILGRIM NUCLEAR POWER STATION

Summary of Operations for July, 1980

The power level was maintained at 100% until July 19, when the power was reduced to 87.4% due to a fouled condenser. The power was reduced to 50% and the main condenser was backwashed. Power was increased to 90% by 0800 July 20, and continued to increase to 100% where it was maintained until 0001 on July 25.

The unit was shut down on July 25 for a planned weekend outage to perform special testing on the scram discharge volume as required by the NRC. Miscellaneous maintenance was performed and the special testing was completed.

"D" relief valve failed to open, during testing, prior to the shutdown. A faulty solenoid was replaced and the valve re-tested during startup.

The unit was back on line at 1136hrs. on July 27. Power was increased to 100% and maintained for the remainder of the month.