

POOR ORIGINAL

OPERATING DATA REPORT

DOCKET NO. 50-293
DATE 9/10/79
COMPLETED BY G.G. Whitney
TELEPHONE 617-746-7900

OPERATING STATUS

1. Unit Name: PILGRIM 1
2. Reporting Period: AUGUST, 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:

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	5831.0	58967.0
12. Number Of Hours Reactor Was Critical	734.7	5021.3	42069.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	705.2	4925.7	40648.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1294608.0	9433872.0	67875672.0
17. Gross Electrical Energy Generated (MWH)	444050.0	3238600.0	22369074.0
18. Net Electrical Energy Generated (MWH)	427086.0	3115689.0	21477253.0
19. Unit Service Factor	94.8	84.5	68.9
20. Unit Availability Factor	94.8	84.5	68.9
21. Unit Capacity Factor (Using MDC Net)	85.7	79.8	54.4
22. Unit Capacity Factor (Using DER Net)	87.6	81.6	55.6
23. Unit Forced Outage Rate	5.2	14.9	11.3

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

_____	_____
_____	_____
_____	_____

964321

(9/77)

7009180466

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH AUGUST, 1979

DOCKET NO. 50-293
 UNIT NAME PILGRIM I
 DATE 9/10/79
 COMPLETED BY G. G. WHITNEY
 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
11	08/04/79	F	26.2	B	4				Leak at 4th point heater. Repaired leak.
12	08/25/79	S	6.0	B	4				Power reduction for condenser cleaning.
13	08/28/79	F	12.6	B	3	79-33/1X-0	CZ	ZZZZZZ	Lightning struck switchyard - Loss of off-site power occurred causing a reactor scram.

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 Sheet for Licensee Event Report (LER) File (NUREG-0161)

⁵ Exhibit I - Same Source

(9/77)

POOR ORIGINAL

961322

AVERAGE DAILY UNIT POWER LEVEL

POOR ORIGINAL

DOCKET NO. 50-293
UNIT PILGRIM I
DATE 9/10/79
COMPLETED BY G.G. WHITNEY
TELEPHONE 617-746-7900

MONTH AUGUST, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	662.
2	661.
3	558.
4	16.
5	382.
6	634.
7	640.
8	589.
9	663.
10	663.
11	663.
12	656.
13	603.
14	661.
15	663.
16	661.

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	659.
18	660.
19	576.
20	661.
21	662.
22	659.
23	609.
24	657.
25	300.
26	584.
27	646.
28	175.
29	526.
30	526.
31	527.

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.

(9/77)

364323

Month AUGUST, 1979

964324

POOR ORIGINAL

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 shutdown, may be reloaded fuel of a new design and may therefore require a proposed license submittal and technical specification change. It is not possible, however, to supply pertinent information on dates. As information concerning fuel design, core configuration, Operational Review Committee determinations, proposed licensing action, and technical specification submittals become available, it will be forwarded to you.
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 1170 fuel assemblies and new high density fuel storage racks are in the process of being installed.
(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 580 fuel assemblies (one core).

964325

BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION

Summary of Operations for August, 1979

Maintained 100% power for the first three days of the month. 8-4-79, unit off line at 0243 to repair leak in the 4th pt. heater. 8-5-79, repairs completed and unit back on line at 0455 hrs. 8-6-79, unit returned to 100% power at 0736 hrs. Backwashed the condenser during power increase. Continuing condenser problems. Reduced power and backwashed the condenser on 8-7-79.

Power increased to 100% on 8-8-79 and maintained at 100% until 8-13-79. On 8-13-79, reduced power to backwash the condenser and repair AO-9239 valve. 8-14-79, power increased to 100% and maintained until 8-18-79.

8-19-79, reduced power for condenser backwash and returned to 100% power. Maintained 100% power until 0001 on 8-25-79. 8-25-79, reduced power to 35% to replace leaking drain valves on B&C R.F.P. and to backwash the main condenser. Started power increase. Increased power to 97% on 8-27-79.

8-28-79, Unit outage caused by a lightning strike in the switchyard at 0030. Reactor critical at 0950, 8-28-79, unit on line at 1309 8-28-79. Backwashed the condenser during unit startup.

"B" condensate pump motor bearings failed during unit startup. Power increased to 80% on 8-19-79 and maintained for the remainder of the month.

The power will be restricted to 80% until the repairs are completed to "B" Condensate Pump.