

DOCKET NO. 50-293UNIT Pilgrim 1DATE 12/13 /82COMPLETED BY G.G. WhitneyTELEPHONE 617-746-7900MONTH NOVEMBER, 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>664.</u>
2	<u>350.</u>
3	<u>0.</u>
4	<u>0.</u>
5	<u>448.</u>
6	<u>618.</u>
7	<u>663.</u>
8	<u>664.</u>
9	<u>663.</u>
10	<u>664.</u>
11	<u>637.</u>
12	<u>664.</u>
13	<u>663.</u>
14	<u>621.</u>
15	<u>664.</u>
16	<u>665.</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>665</u>
18	<u>664.</u>
19	<u>665.</u>
20	<u>666.</u>
21	<u>658.</u>
22	<u>664.</u>
23	<u>664.</u>
24	<u>664.</u>
25	<u>665.</u>
26	<u>665.</u>
27	<u>665.</u>
28	<u>592.</u>
29	<u>667.</u>
30	<u>665.</u>
31	<u>NA</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.

8301270251 821213
PDR ADOCK 05000293
R PDR

(9/77)

OPERATING DATA REPORT

DOCKET NO. 50-293
 DATE 12/13 /82
 COMPLETED BY G.G. Whitney
 TELEPHONE 617-746-7900

OPERATING STATUS

1. Unit Name: Pilgrim 1
 2. Reporting Period: November, 1982
 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.

Notes

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	720.0	8016.0	87456.0
12. Number Of Hours Reactor Was Critical	686.6	5238.4	61271.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	661.4	4930.7	59208.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1279920.0	505368.0	101423256.0
17. Gross Electrical Energy Generated (MWH)	445910.0	2964640.0	33875874.0
18. Net Electrical Energy Generated (MWH)	429039.0	2853042.0	32547526.0
19. Unit Service Factor	91.9	61.5	67.7
20. Unit Availability Factor	91.9	61.5	67.7
21. Unit Capacity Factor (Using MDC Net)	88.9	53.1	55.5
22. Unit Capacity Factor (Using DER Net)	91.0	54.3	56.8
23. Unit Forced Outage Rate	8.1	7.5	9.8
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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH NOVEMBER, 1982
 DOCKET NO. 50-293
 UNIT NAME Pilgrimage 1
 DATE 12/13/82
 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
29	82/11/02	F	58.6	H	1	82-06 /01T	HB	VALVEX	Incorrect setting on safety valve required drywell entry to affect fix.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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 * - Same Source

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED LER
RCIC	RCIC Pump	Low Flow	Change in Sect. XI readings	Inspected internals	Pump capable of performing intended function. No wear noted, change test conditions to address variable speed prime mover.	None
Fire	Jockey Fire Pump	Failed- Motor burnt out	Salt water Environment	Rewound Motor and rebuilt pump	Salt environment failure was first in ten years.	
HPCI	MO2301-3	Ground	Steam leak	Tightened packing Cleaned MOV Replaced limit switch and torque switch	HPCI inop. (1 hr.) Dressed up stem	LER 82-046/01T-0
RCIC	MO1301-17	Steam Leak	Stem problem	Backseat	Repair during outage of suf- ficient duration	
Main Steam	'A' Safety vlv.	Incorrect setting	Personnel error	Replaced valve "	Counseled personnel and clari- fied procedure	LER 82-049/01T-0
RCIC	Turbine Governor	Burned out resistor	Age	Repaired resistor	None - isolated event - first in RCIC Governor	LER 82-055/03L-0

BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION

Summary of Operations for NOVEMBER, 1982.

The month began with the station at 99% power.

At 1543 on 11/2/82, the turbine was taken off line and the reactor brought to cold shutdown to allow replacement of the "A" Main Steam Safety Valve. The drywell was entered, repairs made and the unit placed back in service at 0220 on 11/5/82.

The station operated at an average power level of 99% due to main steam relief valve simmer considerations. Other considerations affecting station power level were fuel conditioning, condenser fouling, condensate demineralizer differential pressure and control rod pattern changes.

During this period the jockey fire pump failed and was repaired. Control rod 10-31 experienced drive difficulties which were corrected. Problems were corrected in the HPCI control circuitry and in motor operated valve 2301-03 which is located in the HPCI System.

The condensate demineralizers were backwashed frequently due to high differential pressure.

RCIC pump operation was investigated due to low flow indication.(Ref. Maint.Summary)

On 11/11/82 power was reduced to 60% when the "D" MSIV's had to be closed to allow investigation of an apparent malfunctioning reactor protection system relay. Ref.: LER 82-054/03L-0.

On 11/27/82 power was reduced to 50% due to main condenser fouling. The main condenser was backwashed, heat treated and the unit returned to full power.

The month ended at 99% with HPCI inoperable, awaiting repair of the HPCI 2301-3 motor operated valve.

SAFETY/RELIEF VALVE CHALLENGES - MONTH OF NOVEMBER, 1982

No Safety/Relief Valve challenges occurred during the month of November, 1982.

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.