OPERATING DATA REPORT

DOCKET NO. 50-293
DATE 9/13/83
COMPLETED BY G.C.Whitney
TELEPHONE (617)746-7900

OPERATING STATUS

1. Unit Name: Pilgrim I
2. Reporting Period: August 1983
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

Notes

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	5831.0	94031.0
12. Number Of Hours Reactor Was Critical	692.4	5468.4	67413.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	675.5	5376.5	65255.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1212792.0	10265016.0	112978608.0
17. Gross Electrical Energy Generated (MWH)	430730.0	3565930.0	37892754.0
18. Net Electrical Energy Generated (MWH)	414184.0	3430679.0	36412190.0
19. Unit Service Factor	90.8	92.2	69.4
20. Unit Availability Factor	90.8	92.2	69.4
21. Unit Capacity Factor (Using MDC Net)	83.1	87.8	57.8
22. Unit Capacity Factor (Using DER Net)	85.0	89.8	59.1
23. Unit Forced Outage Rate	9.2	6.1	9.5

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Refuel outage to commence December 10, 1983.
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 AUGUST 1983

DOCKET NO. 50-293
UNIT NAME Pilgrim I
DATE 9/13/83
COMPLETED BY G.G.Whitney
TELEPHONE (617)746-7900

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	License Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
11	83/07/29	F	43.0	A	3	83-44/3L-0	CE	VALVEX	RCIC MO-1301-16 Valve would not close. Drywell entry required to fix motor operator.
12	83/08/10	F	25.5	A	3	N/A	IA	INSTRU	Inadvertent low water scram during surveillance test.
13	83/08/27	S	0.0	B	5	N/A	HC	HTEXCH	Main condenser backwash

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)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
UNIT Pilgrim I
DATE 9/13/83
COMPLETED BY G.G.Whitney
TELEPHONE (617)746-7900

MONTH AUGUST 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0.	17	647.
2	41.	18	645.
3	412.	19	638.
4	604.	20	609.
5	646.	21	645.
6	661.	22	659.
7	659.	23	656.
8	661.	24	656.
9	661.	25	654.
10	248.	26	653.
11	191.	27	361.
12	558.	28	654.
13	535.	29	650.
14	655.	30	647.
15	655.	31	650.
16	649.		

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)

PILGRIM NUCLEAR POWER STATION

Month AUGUST 1983

MAJOR SAFETY RELATED MAINTENANCE

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED LER
Main Steam	MSIV 203-1A Valve	Leak (packing)	Normal use	Adjust Packing	Normal outage task	N/A
Main Steam	MSIV 203-1B Valve	Leak (packing)	Normal use	Adjust packing	Normal outage task	N/A
Main Steam	MSIV 203-2C	Packing leak	Normal use	Adjust packing	Normal outage task	N/A
CRD	46-35 Accumulator	Leaking seals	Normal use	Rebuilt	None. Routine maintenance	N/A
CRD	02-35 Accumulator	Faulty Accumulator	Normal use	Replaced	None. Routine maintenance	N/A
CRD	'A' CRD oil cooler	Bearing running warm	Bearing Wear	Inspected	None. Routine PM maintenance	N/A
Main Steam	MSIV 203-1C	Packing leak	Normal use	Adjust packing	Normal outage task	N/A
RWCU	MO-1201-85 vlv	Leak (Body/Bonnet)	Normal use	Reinject with Furmanite	Replace gasket and/or repair valve (planned)	N/A
RCIC	1301-16	Worm Gear	Defective Spring Pack	Replaced gear	See LER	83-46/03L-0
RCIC	A01301-32	Packing leak	Normal use	Adjusted packing	None. Routine maintenance	N/A
CRD	DR 10-31	Seal leakage	Unknown	Disarmed Solenoids	Replace/Repair during R.F.O	83-46/03L-0
Fire	Dire Door #162	Latch out of adjustment	Normal use	Adjusted	None. Routine maintenance	N/A
Fire	Fire Door #145	Broken Hinge	Normal use	Replace w/new hinge	None. Routine maintenance	N/A
I&C	'A' IRM	Failed Detector	Normal use	Change detector	None. Routine maintenance	N/A

BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION
DOCKET NO. 50-293

Operational Summary for August 1983

The month started with a continuation of the outage to repair the MO-1301-16 RCIC valve (Ref. LER 83-44/03L-0. The unit was started up on 8/2/83 with a return to full power on 8/3. On the same day, the reactor building and turbine building closed cooling water heat exchanger were backwashed. On 8/4 power was reduced for a rod pattern change with a return to full power on the morning of 8/5. Also on 8/5, control rod 10-31 was electrically disarmed because of continuing direction control problems (Ref.: LER 83-046/03L-0).

The unit remained at 100% power until 8/10 when the unit scrammed during a high risk surveillance test because of a false low water level signal. During the startup, salt buildup on the switchyard insulators was washed off and condenser backwashing was required because of an ocean storm. On 8/13 full power was attained and remained at that level until 8/26 when power was reduced to approximately 50% for condenser backwash and scheduled maintenance. On 8/27 the unit was returned to full power and remained at full load thru the end of the month.

SAFETY/RELIEF VALVE CHALLENGES
MONTH OF AUGUST 1983

REQUIREMENT: T.M.I. T.A.P. II.K.3.3

REASON: No Safety/Relief Valve Challenges occurred during the month of August 1983.

REFUELING INFORMATION

The following refueling information is included in the Monthly Report as requested in an NRC letter to BECo. 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: December 1983

3. Scheduled date for restart following refueling: April 1984

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 accomodate an additional 834 fuel assemblies.

BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

WILLIAM D. HARRINGTON
SENIOR VICE PRESIDENT
NUCLEAR

September 13, 1983

BECo. #83-239

Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Docket No. 50-293
License DPR-35

Subject: August 1983 Monthly Report

Dear Sir:

In accordance with PNPS Technical Specification 6.9.A.2, a copy of the Operational Status Summary for Pilgrim Nuclear Power Station is attached for your information and planning.

Respectfully submitted,

WD Harrington

William D. Harrington

WDH/mg
Attachment

cc: Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

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