

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
UNIT Pilgrim 1
DATE January 12, 1984
COMPLETED BY P. Hamilton
TELEPHONE 617 - 746-7900

MONTH December, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>485</u>
2	<u>461</u>
3	<u>416</u>
4	<u>418</u>
5	<u>397</u>
6	<u>389</u>
7	<u>390</u>
8	<u>385</u>
9	<u>382</u>
10	<u>32</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</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.

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OPERATING DATA REPORT

DOCKET NO. 50-293
 DATE January 12, 1984
 COMPLETED BY P. Hamilton
 TELEPHONE (617) 746-7900

OPERATING STATUS

1. Unit Name: PILGRIM I
2. Reporting Period: December, 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

Notes

9. Power Level To Which Restricted, If Any (Net MWe): NONE
10. Reasons For Restrictions, If Any: -

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>8760.0</u>	<u>96960.0</u>
12. Number Of Hours Reactor Was Critical	<u>224.5</u>	<u>7801.0</u>	<u>69746.3</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>220.0</u>	<u>7654.8</u>	<u>67534.0</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>291096.0</u>	<u>14219040.0</u>	<u>116932632.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>94500.0</u>	<u>4901490.0</u>	<u>39228314.0</u>
18. Net Electrical Energy Generated (MWH)	<u>90126.0</u>	<u>4711898.0</u>	<u>37693409.0</u>
19. Unit Service Factor	<u>29.6</u>	<u>87.4</u>	<u>69.7</u>
20. Unit Availability Factor	<u>29.6</u>	<u>87.4</u>	<u>69.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>18.1</u>	<u>80.3</u>	<u>58.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>18.5</u>	<u>82.1</u>	<u>59.4</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>5.1</u>	<u>9.2</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Shutdown for refueling and recirculation pipe repair - commenced on December

10, 1983 (12/10/83).

25. If Shut Down At End Of Report Period, Estimated Date of Startup: August, 1984
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH DECEMBER, 1983

DOCKET NO. 50-293
 UNIT NAME Pilgrim 1
 DATE January 12, 1984
 COMPLETED BY P. Hamilton
 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
16	83/12/10	S	524.0	C	1	N/A	N/A	N/A	N/A - Shutdown for refueling and recirculation pipe inspection

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

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 Number 50-293.
2. Scheduled date for next Refueling Shutdown: March, 1986
3. Scheduled date for restart following refueling: August, 1984
- 4.
5. Due to their similarity, requests 4, 5, and 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 0 fuel assemblies in the core.
(b) There are 1708* 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 and new fuel in storage, the spent fuel pool now has the capacity to accommodate an additional 62 fuel assemblies.

* Includes 192 new reload bundles to support current refuel outage.

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

Operational Summary for December, 1983

The month commenced with the unit at 77% power as limited by fuel depletion. On 12/2/83, the "B" train of feedwater heaters were bypassed and power was reduced to 67%. Two in series secondary containment dampers were found inoperable on 12/5/83, and a plant shutdown was initiated. The dampers were immediately repaired, tested and the shutdown secured (Reference LER 83-062/03L-0). Steady state operation continued until 12/10/83, when the unit was removed from service for refueling and recirculation pipe inspection.

Safety Relief Valve Challenges
Month of December, 1983

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

Reason: No safety/relief valve challenges occurred during the month of December, 1983.

PILGRIM NUCLEAR POWER STATION
MAJOR SAFETY RELATED MAINTENANCE

Month DECEMBER, 1983

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED LER
Control Rod Drives	Control Rod #10-11 Accumulator	Would not hold pressure.	Leaking accumulator gas charging valve seat	Replaced the valve cartridge.	None: Routine Maintenance	83-060/03L-0
HVAC	Temp. Switch D-46 for safe- guards area cooler	Would not cali- brate.	Failure analysis being per- formed.	Replaced switch and recalibrated.	None: Routine Maintenance	
HVAC	Secondary Containment Dampers AO/N90, 94 & 95	Would not op- erate.	Misaligned or cracked drive gears.	Readjusted gears for 94 & 95, re- placed gear for 90.	Initiated engineering review of design.	83-062/03L-0
Rx Recirc.	Recirculation Piping	Indications of cracks.	Intergranu- lar Stress Corrosion	Plan to repair and/or replace.	Replace with pipe having lower carbon content.	83-063/01T-0
Rx	Shield Plugs between sep- arator pool and Rx cavity	Plugs in place during fuel move- ment contrary to requirements of Tech. Spec.	Procedural inadequacy	Removed shield plugs.	Procedure to be revised.	83-064/01T-0
Fire Protection	Elec. Fire Pump	Would not auto start during test	Frozen Sens- ing Lines	Thaw sensing lines.	Engineering requested to provide permanent fix.	LER to be written.

BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

WILLIAM D. HARRINGTON
SENIOR VICE PRESIDENT
NUCLEAR

January 12, 1984

BECO Ltr. #84-009

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

Attention: Document Control Desk

Docket No. 50-293
License DPR-35

Subject: December, 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,

W D Harrington
William D. Harrington

WDH/ko

cc: Regional Administrator, Region 1
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

Standard BECo Monthly Report Distribution

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