AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
UNIT Pilgrim 1
DATE March 14, 1985
COMPLETED BY P. Hamilton
TELEPHONE (617)746-7900

MONTH February 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	599.	17	0.
2	508.	18	237.
3	519.	19	575.
4	518.	20	651.
5	517.	21	643.
6	518.	22	661.
7	517.	23	662.
8	506.	24	667.
9	89.	25	668.
10	0.	26	667.
11	0.	27	606.
12	0.	28	668.
13	0.	29	N/A
14	0.	30	N/A
15	0.	31	N/A
16	0.		

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 March 14, 1985
COMPLETED BY P. Hamilton
TELEPHONE (617)746-7900

OPERATING STATUS

1. Unit Name Pilgrim 1
2. Reporting Period February 1985
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) 683
7. Maximum Dependable Capacity (Net MWe) 663
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	672.0	1416.0	107160.0
12. Number Of Hours Reactor Was Critical	496.0	1096.0	71012.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	469.3	1026.3	68594.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated(MWH)	800232.0	1622736.0	118574544.0
17. Gross Electrical Energy Generated(MWH)	274820.0	552880.0	39785094.0
18. Net Electrical Energy Generated (MWH)	264132.0	530629.0	38227556.0
19. Unit Service Factor	69.8	72.5	64.0
20. Unit Availability Factor	69.8	72.5	64.0
21. Unit Capacity Factor (Using MDC Net)	59.3	56.5	53.8
22. Unit Capacity Factor (Using DER Net)	60.0	57.2	54.5
23. Unit Forced Outage Rate	27.3	26.1	9.5

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 -
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)

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

Operational Summary for February 1985

The unit was operating at 100% on the first of the month when it became necessary to isolate the "B" steam line due to a timing problem with the inboard MSIV. This resulted in a power reduction to 75% which continued through the eighth.

Problems with the "A" recirculation pump motor resulted in a manual shutdown of the reactor on the tenth. The reactor remained shut down until the fifteenth during which time the recirculation pump motor thrust bearing was replaced and the "B" inboard MSIV was repaired.

The reactor was made critical on the fifteenth at which time the vessel drain line was found to be leaking. The reactor was placed in cold shutdown. The leak was repaired and, on the eighteenth, the generator was synchronized to the grid.

Power was increased to 100% on the twentieth and was maintained until the twenty-sixth at which time power was reduced to approximately 75% due to erratic operation of the "A" feedwater control valve proportional amplifier. Upon replacement of the amplifier on the twenty-seventh, power was increased to 100% and was maintained through the end of the month.

Safety Relief Valve Challenges

Month of February 1985

Requirement: NUREG-0737 T.A.P. II.K.3.3

Date: February 15, 1985

Valve #: SRV-203-3A

Reason: Test after replacement of Top Works

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-293
UNIT NAME Pilgrim 1
DATE March 14, 1985
COMPLETED BY P. Hamilton
TELEPHONE (617) 746-7900

REPORT MONTH February 1985

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
4	2/1/85	S	0.0	B	N/A	N/A	JM	ISV	Power reduced for maintenance.
5	2/10/85	F	138.0	A	1	85-003	AD	MO	Cause attributed to insufficient lubrication resulting from an oil leak. Corrective action was to replace damaged components in recirc. pump motor.
6	2/15/85	F	64.7	A	1	85-004	CE	PSP	Cause attributed to porous socket weld between valve and pipe spool piece. Corrective action was to replace the spool piece and provide a new socket weld.
7	2/26/85	F	0.0	A	N/A	N/A	SJ	AMP	Power reduced for maintenance.

1 2 2 3 4 & 5

F-Forced
S-Sched

A-Equip Failure
B-Maint or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination

F-Admin
G-Oper Error
H-Other

1-Manual
2-Manual Scram
3-Auto Scram
4-Continued
5-Reduced Load
9-Other

Exhibit F & H
Instructions for Preparation of Data Entry Sheet Licensee Event Report (LER) File (NUREG-1022)

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: August 1986

3. Scheduled date for restart following refueling: November 1986

4.

5. Due to their similarity, requests 4, 5, & 6 are responded to collectively:

6. The new fuel, which was loaded during the 1983-84 refueling outage, is of the same P8x8R design, as loaded the previous outage and consists of 160 P8DRB282 assemblies. In addition, 32 GE6B-P8DRB282 assemblies were also loaded.

7. (a) There are 580 fuel assemblies in the core.

   (b) There are 1,128 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 642 fuel assemblies.

Month February 1985

PILGRIM NUCLEAR POWER STATION

MAJOR SAFETY RELATED MAINTENANCE

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED LER
Main Steam	AO-203-2D (MSIV)	Closing Time Adjustment	Component Wear	Replace 4-Way Valve and 2-Way Solenoid. Retimed Valve	None: Routine Maintenance	N/A
Main Steam	AO-203-1B (MSIV)	Closing Time Adjustment	Component Wear	Replace 4-Way Valve. Retimed Valve	None: Routine Maintenance	N/A
Main Steam	MO-220-1 Main Steam Line Drain	Would not open.	Motor Malfunction	Replaced motor.	None: Routine Maintenance	N/A
Main Steam	Channel A Half Scram	Alarm came in for no apparent reason.	Unknown	Performed surveillances to verify alarm circuit.	None	N/A
Main Steam	SV-203-3A	Top Works Seat Leakage	Unknown	Replaced top works.	To be determined.	N/A
Feed-water	"A" Feed-water Control Valve	Loss of Signal	Prop. Amp. Malfunction	Replaced Prop. Amp.	None	
Reactor Water Cleanup	Vessel Drain Line	Leaking at Weld	Probable Porous Weld	Replaced section of pipe, and re-welded.	To be determined pending investigation results.	85-004 to be issued.
Recirc.	"A" Recirc. Pump Motor	Would not operate.	Lack of lubrication due to oil leak.	Replaced damaged components.	None	85-003

BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

WILLIAM D. HARRINGTON
SENIOR VICE PRESIDENT
NUCLEAR

March 14, 1985
BECo Ltr. #85-055

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

Attn: Document Control Desk

License No. DPR-35
Docket No. 50-293

Subject: February 1985 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

W. D. Harrington

:caw

Attachment

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

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