



BOSTON EDISON

Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

E. Thomas Boulette, PhD
Vice President Nuclear Operations
and Station Director

March 13, 1992
BECO Ltr. #92-029

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

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

Subject: February 1992 Monthly Report

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. Should you have any questions concerning this report please contact me directly.

E. Thomas Boulette

WJM/bal

Attachment

cc: Mr. Thomas T. Martin
Regional Administrator, Region 1
U.S. Nuclear Regulatory Commission
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King of Prussia, PA 19406

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Senior Resident Inspector

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
 UNIT Pilgrim 1
 DATE March 13, 1992
 COMPLETED BY W. Munro
 TELEPHONE (508) 747-8474

MONTH February 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>667</u>	17	<u>667</u>
2	<u>665</u>	18	<u>667</u>
3	<u>666</u>	19	<u>667</u>
4	<u>666</u>	20	<u>667</u>
5	<u>666</u>	21	<u>666</u>
6	<u>667</u>	22	<u>666</u>
7	<u>666</u>	23	<u>667</u>
8	<u>665</u>	24	<u>666</u>
9	<u>667</u>	25	<u>666</u>
10	<u>666</u>	26	<u>666</u>
11	<u>667</u>	27	<u>666</u>
12	<u>667</u>	28	<u>666</u>
13	<u>666</u>	29	<u>665</u>
14	<u>665</u>	30	<u>N/A</u>
15	<u>665</u>	31	<u>N/A</u>
16	<u>667</u>		

This format lists the average daily unit power level in MWe-Net for each day in the reporting month, computed to the nearest whole megawatt.

OPERATING DATA REPORT

DOCKET NO. 50-293
 DATE March 13, 1992
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 TELEPHONE (508) 747-8474

OPERATING STATUS

Notes

1. Unit Name Pilgrim 1
2. Reporting Period February 1992
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) 696
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	<u>696.0</u>	<u>1440.0</u>	<u>168528.0</u>
12. Number Of Hours Reactor Was Critical	<u>696.0</u>	<u>1440.0</u>	<u>99800.6</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>696.0</u>	<u>1440.0</u>	<u>95942.9</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>1389816.0</u>	<u>2836584.0</u>	<u>166541064.0</u>
17. Gross Electrical Energy Generated(MWH)	<u>481420.0</u>	<u>981550.0</u>	<u>5618794.0</u>
18. Net Electrical Energy Generated (MWH)	<u>463695.0</u>	<u>945197.0</u>	<u>53996145.0</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>56.9</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>56.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.4</u>	<u>98.0</u>	<u>47.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>101.7</u>	<u>100.2</u>	<u>48.9</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>12.5</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>None</u>		

25. If Shut Down At End Of Report Period, Estimated Date of Startup N/A

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

Operational Summary for February 1992

The unit started the reporting period at approximately 100 percent core thermal power (CTP) and maintained that level throughout the reporting period. Minor power reductions were initiated on February 8, 15, 22 and 29 to perform weekly control rod exercises.

Safety Relief Valve Challenges
Month of February 1992

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

There were no safety relief valve challenges during this reporting period.

An SRV challenge is defined as anytime an SRV has received a signal to operate via reactor pressure, auto signal (ADS) or control switch (manual). Ref. BECo ltr. #81 J1 dated 01/05/81.

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: April 3, 1993
3. Scheduled date for restart following next refueling: June 8, 1993
4. Due to their similarity, requests 4, 5, & 6 are responded to collectively under #6.
5. See #6.
6. The new fuel loaded during the 1991 refueling outage was of the same design as loaded in the previous outage and consisted of 168 assemblies.
7. (a) There are 580 fuel assemblies in the core.
(b) There are 1489 fuel assemblies in the spent fuel pool.
8. (a) The station is presently licensed to store 2320 spent fuel assemblies. The actual usable spent fuel storage capacity is 2320 fuel assemblies.
(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 831 fuel assemblies.

Month February 1992

PILGRIM NUCLEAR POWER STATION
MAJOR SAFETY RELATED MAINTENANCE

<u>SYSTEM</u>	<u>COMPONENT</u>	<u>MALFUNCTION</u>	<u>CAUSE</u>	<u>MAINTENANCE</u>	<u>CORRECTIVE ACTION TO PREVENT RECURRENCE</u>	<u>ASSOCIATED LER</u>
Diesel Generators and Auxiliaries	"B" Emergency Diesel Generator (EDG) X-107B turbo assist air receiver tank piping	During low pressure of Surveillance 8.9.1 air pressure couldn't be maintained in air start receivers due to leakage past air start receiver inlet check valves 47-CK-101B and 47-CK-101D. (F&MR 92-48)	Rust and moisture buildup in check valves.	Check valves disassembled and cleaned. Temporary Modification TM91-59 installed on the "B" EDG air system to remove moisture from the lines. (This modification was previously installed on the "A" EDG).	PDC 91-61 "Diesel Generator Air Start Piping" implementation date being considered.	None
Reactor Core Isolation Cooling (RCIC) System	RCIC EGR cable connector plug.	125 volt DC ground alarm on D-4 received in Control Room.	Under investigation	Disconnected cable and cleaned oil from plug. Procedure 8.5.5.1 was successfully performed to declare RCIC operable.	Initiated Engineering Service Request ESR 91-364 to investigate grounding of RCIC and HPCI EGR cable connector plugs.	None
Salt Service Water (SSW) System	SSW Pump P-208A	High vibration and low discharge flow.	Spider bearing degradation	Replaced seven (7) spider bearings installed rebuilt bowl assembly, stuffing box bushing and one (1) line shaft coupling. Also, replaced two (2) intermediate columns damaged during pump removal due to a misaligned restraint arm assembly wall bracket. Installed new twelve (12) inch expansion joint on discharge side of pump.	Engineering Service Request ESR 91-742 initiated to evaluate and upgrade line shaft bearings and suction head.	None

UNIT SHUTDOWNS AND POWER REDUCTIONS

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 NAME Pilgrim 1
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REPORT MONTH February 1992

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
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No Unit Shutdowns or significant power reductions during the reporting period.

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)