BOSTON EDISON
Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

December 12, 1990
BECo Ltr. #90-155

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

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

Subject: November 1990 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. Should you have any questions concerning this report please contact me directly.

R.A. Anderson
Station Director and
Vice President, Nuclear Operations

GJB/bal

Attachment

cc: Regional Administrator, Region 1
U.S. Nuclear Regulatory Commission
475 Allendale Rd.
King of Prussia, PA 19406

Senior Resident Inspector

IE24 1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
UNIT Pilgrim 1
DATE December 12, 1990
COMPLETED BY G. Basilesco
TELEPHONE (508) 747-8534

MONTH November 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	663	17	662
2	586	18	664
3	428	19	662
4	546	20	663
5	656	21	663
6	663	22	662
7	664	23	663
8	663	24	662
9	663	25	663
10	661	26	663
11	664	27	663
12	664	28	663
13	664	29	663
14	664	30	661
15	663	31	N/A
16	663		

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 December 12, 1990
COMPLETED BY G. Basilesco
TELEPHONE (508) 747-8534

OPERATING STATUS

Notes

1. Unit Name Pilgrim 1
2. Reporting Period November 1990
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	720.0	8016.0	157584.0
12. Number Of Hours Reactor Was Critical	720.0	6451.0	91856.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	720.0	6042.8	88172.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated(MWH)	1408056.0	11435568.0	151920480.0
17. Gross Electrical Energy Generated(MWH)	484810.0	3921470.0	51158294.0
18. Net Electrical Energy Generated (MWH)	466780.0	3772292.0	49155476.0
19. Unit Service Factor	100.0	75.4	56.0
20. Unit Availability Factor	100.0	75.4	56.0
21. Unit Capacity Factor (Using MDC Net)	96.8	70.2	46.6
22. Unit Capacity Factor (Using DER Net)	99.0	71.8	47.6
23. Unit Forced Outage Rate	0.0	12.0	12.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling Outage No. 8, May 1991, approximately 70 days

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

	N/A Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)

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

Operational Summary for November 1990

The unit started and ended the reporting period at approximately 100 percent power. On November 1, 1990, the High Pressure Coolant Injection (HPCI) System was voluntarily taken out of service and maintenance was performed on the HPCI turbine. The system was returned to service on November 5, 1990. On November 3, 1990, power was reduced to approximately 50 percent to perform a thermal backwash of the main condenser and returned to 100 percent power on November 5, 1990. In addition, minor power reductions for control rod exercises were performed on November 10, 17 and 24.

Safety Relief Valve Challenges
Month of November 1990

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. #81-01 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: Second Quarter 1991

3. Scheduled date for restart following refueling: Third Quarter 1991

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 1986/87 refueling outage was of the same design as loaded in the previous outage, and consisted of 192 assemblies.

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

   (b) There are 1320 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 1000 fuel assemblies.

Month November 1990

PILGRIM NUCLEAR POWER STATION

MAJOR SAFETY RELATED MAINTENANCE

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED LER
High Pressure Coolant Injection (HPCI) System	HPCI Turbine	Overspeed trip (F&MR 90-352)	Mechanical/ hydraulic malfunction of speed control system.	Changed pilot valve spring; aligned bushing ports; replaced EG-M.	Reference LER 90-017-00	LER 90-017-00

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-293
NAME Pilgrim 1
DATE December 12, 1990
COMPLETED BY G. Basilesco
TELEPHONE (508) 747-8534

REPORT MONTH November 1990

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
14	11/3/90	S	0.0	N/A	5	N/A	N/A	N/A	Power reduction to perform main condenser backwash.

1	2	2	3	4&5
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-1022)