



BOSTON EDISON

Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

E. S. Kraft, Jr.

Vice President Nuclear Operations
and Station Director

May 12, 1993
BECO Ltr. #93-061

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

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

April 1993 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.

for *Ed Schuchling*
E. S. Kraft Jr.

WJM/bal

Attachment

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

Mr. R. B. Eaton
Div. of Reactor Projects I/II
Office of NRR - USNRC
One White Flint North - Mail Stop 14D1
11555 Rockville Pike
Rockville, MD 20852

Senior Resident Inspector

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OPERATING DATA REPORT

DOCKET NO. 50-293
 DATE May 12, 1993
 COMPLETED BY: W. Munro
 TELEPHONE (508) 747-8474

OPERATING STATUS

NOTES

1. Unit Name Pilgrim I
2. Reporting Period April 1993
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 (Item 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

	<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
11. Hours In Reporting Period	<u>719.0</u>	<u>2879.0</u>	<u>178751.0</u>
12. Number of Hours Reactor Was Critical	<u>60.5</u>	<u>2142.9</u>	<u>108001.5</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>56.0</u>	<u>2131.5</u>	<u>104037.9</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>93480.0</u>	<u>4129512.0</u>	<u>182138328.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>31980.0</u>	<u>1428530.0</u>	<u>61562524.0</u>
18. Net Electrical Energy Generated (MWH)	<u>30664.0</u>	<u>1374255.0</u>	<u>59167171.0</u>
19. Unit Service Factor	<u>7.8</u>	<u>74.0</u>	<u>58.2</u>
20. Unit Availability Factor	<u>7.8</u>	<u>74.0</u>	<u>58.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>6.4</u>	<u>71.2</u>	<u>49.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>6.5</u>	<u>72.9</u>	<u>50.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>3.8</u>	<u>12.1</u>

24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling Outage #9 started 4-3-93 for a duration of 58 days.

25. If Shut Down At End of Report Period, Estimated Date of Startup May 31, 1993.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
UNIT Pilgrim I
DATE May 12, 1993
COMPLETED BY: W. Munro
TELEPHONE 508) 747-8474

MONTH April 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	654	17	0
2	606	18	0
3	73	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	N/A
16	0		

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.

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

OPERATIONAL SUMMARY FOR APRIL 1993

The unit started the reporting period at approximately 95 percent core thermal power (CTP) in coastdown condition (fuel depletion) until 2000 hours on 4-2-93 when reactor power was reduced to approximately 52 percent CTP to perform a main condenser backwash. At 2350 hours on 4-2-93 reactor power was increased to approximately 70 percent CTP to perform a thermal backwash of the main condenser. Following the backwash reactor power was reduced to approximately 60 percent CTP. At 0301 hours on 4-3-93 a controlled shutdown commenced in accordance with PNPS Procedure 2.1.5 "Controlled Shutdown From Power", Section F. At 0802 hours the turbine generator was removed from the grid (ACB104/105 opened), and at 0819 hours the main turbine was manually tripped. At 0918 hours the Reactor Mode switch was placed to "STARTUP". All control rods were full in at 1227 hours and the Reactor Mode switch was placed to "SHUTDOWN" at 1228 hours. Refueling and Maintenance Outage Number 9 commenced at 0802 hours on 4-3-93.

SAFETY RELIEF VALVE CHALLENGES
Month of April 1993

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

There were no safety relief valve challenges during the 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 date 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 1, 1995
3. Scheduled date for restart following next refueling: June 1, 1995
4. Due to their similarity, requests 4, 5 are responded to collectively under #6.
5. See #6.
6. The new fuel to be loaded during the 1993 refueling outage is of the same design as loaded in the previous refueling outage and consists of 140 assemblies.
7.
 - (a) There are 580 fuel assemblies in the core.
 - (b) There are 1629 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 691 fuel assemblies.

MONTH April, 1993

PILGRIM NUCLEAR POWER STATION
MAJOR SAFETY RELATED MAINTENANCE

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED LER
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Maintenance activities were accomplished in accordance with the RFO-9 outage schedule.

UNIT SHUTDOWNS AND POWER REDUCTIONS DOCKET NO: 50-293

DOCKET NO: 50-293
 NAME: Pilgrim I
 DATE: May 12, 1993
 COMPLETED BY: W. Munro
 TELEPHONE: 508) 747-8474
 REPORT MONTH April 1993

NO.	DATE	TYPE1	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	LICENSE EVENT REPORT #	SYSTEM CODE4	COMPONENT CODE5	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
04	4/3/93	S	663.0	C	1				Refueling Outage No. 9.

1	2	2	3	4&5
F-FORCED S-SCHED	A-Equip Failure B-Main 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 Preparations of Data Entry Sheet Licensee Event Report (LER) File (NUREG-1022)