

BOSTON EDISON

Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

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

December 14, 1992
BECo Ltr. #92-133

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

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

November 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
E. Thomas Boulette

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 December 14, 1992
 COMPLETED BY: W. Munro
 TELEPHONE (508) 747-8474

OPERATING STATUS

NOTES

1. Unit Name Pilgrim I
2. Reporting Period November 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 (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	720.0	8040.0	175128.0
12. Number of Hours Reactor Was Critical	173.5	6933.9	105294.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	148.6	6851.8	101354.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated(MWH)	205824.0	13320864.0	177025344.0
17. Gross Electrical Energy Generated (MWH)	68950.0	4589170.0	59795584.0
18. Net Electrical Energy Generated (MWH)	65928.0	4416970.0	57467918.0
19. Unit Service Factor	20.6	85.2	57.9
20. Unit Availability Factor	.6	85.2	57.9
21. Unit Capacity Factor (Using MDC Net)	13.7	82.0	49.0
22. Unit Capacity Factor (Using DER Net)	14.0	83.9	50.1
23. Unit Forced Outage Rate	12.9	6.2	12.2
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling Outage #9 starting 4-3-93 for a duration of 58 days.			

25. If Shut Down At End of Report Period, Estimated Date of Startup Unit Operating.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-292
UNIT Pilgrim I
DATE December 14, 1992
COMPLETED BY: W. Munro
TELEPHONE 508) 747-8474

MONTH November 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	19
9	0	25	117
10	0	26	397
11	0	27	408
12	0	28	581
13	0	29	632
14	0	30	594
15	0	31	N/A

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 November 1992

The unit started the reporting period with the midcycle outage in progress. On 11/23/92 at 1833 hours, the reactor was made critical. During the increase to power, High Pressure Coolant Injection System and Reactor Core Isolation Cooling System Operability Tests were successfully performed at 150 psig and 1000 psig. On 11/24/92, the unit was synchronized to the grid at 1925 hours. Reactor power was increased to approximately 25 percent core thermal power (CTP) and was essentially maintained at that level to test scram times for some control rods. On 11/26/92, power was increased to approximately 77 percent CTP to perform turbine testing. While performing this testing, power was reduced to approximately 70 percent CTP to facilitate troubleshooting Turbine Control Valve #4. On 11/27/92 at 1200 hours, power was further reduced to approximately 60 percent to perform maintenance on the #4 control valve and testing on the turbine control valves. On 11/28/92 at 1300 hours, the unit attained 100 percent CTP. On 11/29/92 at 1108 hours, power was trimmed to perform a rod pattern change and control rod exercise. At 1323 hours, power was trimmed again to maintain condenser vacuum. At 2335 hours on 11/29/92, power was reduced to approximately 47 percent CTP to facilitate a backwash of the main condenser. Following the successful backwash, reactor power was increased and on 11/30/92 at 1015 hours the unit attained 100 percent CTP where it was maintained through the remainder of the reporting period.

SAFETY RELIEF VALVE CHALLENGES
Month of November 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 operator via reactor pressure, auto signal (ADS) or control switch (manual). Ref. BECo ltr. #81-01 date 01/05/81.

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

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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: May 30, 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.

PILGRIM NUCLEAR POWER STATION
MAJOR SAFETY RELATED MAINTENANCE

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED LER
Control Rod Drive (CRD) System	Hydraulic Control unit HCU 38-51 and HCU 50-30 accumulators.	Blown seals	To be determined	Replaced HCU accumulators 38-51 and 50-30. Post work test satisfactory per procedure 3.M.4-5	To be determined	N/A

Midcycle maintenance activity was accomplished in accordance with the outage schedule through 11/24/92.

UNIT SHUTDOWNS AND POWER REDUCTIONS DOCKET NO: 50-293

DOCKET NO: 50-293
 NAME: Pilgrim I.
 DATE: December 14, 1992
 COMPLETED BY: W. Munro
 TELEPHONE: 508) 747-8474
 REPORT MONTH November 1992

NO.	DATE	TYPE1	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	LICENSE EVENT REPORT #	SYSTEM CODE4	COMPONENT CODE5	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
06 (CONT)	10/24/92	S	549.4	B	1	N/A	N/A	N/A	Continuation of Shutdown for Mid- cycle Outage.
		F	22.0	B	N/A	N/A	N/A	N/A	Replacement of Control Rod Drive Hydraulic Control Unit. Accumulator 38-51.

1
F-FORCED
S-SCHED

2
A-Equip Failure
B-Main or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training
& License Examination

2
F-Admin
G-Oper Error
H-Other

3
1-Manual
2-Manual Scram
3-Auto Scram
4-Continued
5-Reduced Load
9-Other(LER) File (NUREG-1022)

4&5
Exhibit F & H
Instructions for
Preparations of
Data Entry Sheet
Licensee Event Report