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

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

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February 13, 1992 BECo Ltr. #92-13

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

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

Subject: January 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.

ETBoulitte

E. Thomas Boullette

WJM/bal

Attachment

cc: Mr. Thomas T. Martin Regional Administrator, Region 1 U.S. Nuclear Regulatory Commission 475 Allendale Rd. 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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AVERAGE DAILY UNIT POWER LEVEL

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

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	666	17	666
2	667	18	456
3		19	651
4	665	20	665
5	666	21	665
6		22	666
7	666	23	665
8	666	24	666
9	666	25	664
10	665	26	667
11	666	27	668
12	660	28	667
13	666	29	473
14	666	30	626

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

OPERATING DATA REPORT

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

OPERATING STATUS

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1. 2. 3. 4. 5. 6. 7. 8.	Unit Name Pilgrim 1 Reporting Period January 1992 Licensed Thermal Power (MWt) Nameplate Rating (Gross MWe) Design Electrical Rating (Net MWe) Maximum Dependable Capacity (Gross MWe) Maximum Dependable Capacity (Net MWe) If Changes Occur in Capacity Ratings (In Report, Give Reasons: None	670	Through 7)	Since Last
9.	Power Level To Which Restricted, If Any	(Net MWe)	None	
10.	Reasons For Restrictions, If Any	N/A	A case to set by the part of the set of the Red H is set of the set of the set of the set of the set of the set of the set of the	
-		This Month	Yr-to-Date	Cumulative
12. 17. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Loss Thermal Energy Generated(MWH) Lross Electrical Energy Generated(MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (None	744.0 744.0 0.0 744.0 0.0 1446768.0 500130.0 481502.0 100.0 100.0 96.6 98.8 0.0 (Type, Date, a	744.0 0.0 1446768.0 500130.0 481502.0 100.0 100.0 96.6 98.8 0.0	98104.6 0,0 95246.9 0.0 165151248.0 55706544.0 53532450.0 56.8 56.8 47.6 48.7 12.5

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

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

Operational Summary for January 1992

The unit started the reporting period at approximately 100 percent core thermal power (CTP) and maintained that level until January 18 when reactor power was reduced to approximately 47 percent to perform control rod scram timing, rod pattern adjustment and backwashing of the main condenser. Reactor power was increased to 100 percent and maintained 100 percent steady state operation until January 29 when at 0231 hours reactor power was reduced to approximately 33 percent and the "A" Recirculation Pump was secured to facilitate replacement of the "A" Recirculation Motor Generator Set brushes. Following repairs, the "A" Recirculation Pump was returned to service later that day. Reactor power increased to 100 percent at 0220 hours on January 30. At 2100 hours a downpower commenced and was terminated at approximately 45 percent to install a temporary modification on the brush rigging of the generator end of the "A" Recirculation Motor Generator Set. The "A" Recirculation Pump was secured to facilitate installation of the temporary modification. On January 31, following installation of the temporary modification, reactor power was increased to 100 percent and was maintained at that level for the remainder of the reporting period. Minor power reductions were initiated on January 4, 11, 18 and 25 to perform weekly control rod exercises.

> Safety Relief Valve Challenges Month of January 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 Itr. #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.

- 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
- Due to their similarity, requests 4, 5, & 6 are responded to collectively under #6.

5. See #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) Inere are 1489 fuel assemblies in the spent fuel pool.
- (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.
- 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

Month January 1992

MAJOR SAFETY RELATED MAINTENANCE

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED
Salt Service Water (SSW) System	SSW pump P-208C	High vibration and low discharge Flow. (F&MR 91-504)	Spider bearing degradation	Replaced six (6) spider bearings, installed rebuilt bowl assembly, stuff- box tushing, and two (2) line shaft coupl- ings. Also installed new twelve (12) inch expansion jcint on discharge side of pump.	Engineering Service Request 91-742 initiated to evaluate and upgrade the line shaft bearings and suction head.	None
Recir- culation System	"A" Recirculation Motor Generator (MG) Set *	"A" Recirculation MG Set brushes arcing severly.	Root cause under invest- igation	Secured "A" Recirc- ulation pump and re- placed brushes. Increased power to 100 percent. Secured "A" Recircula tion pump again and implemented Temporary Modification 92-04 to add a second set of brushes on the collect rings (outboard rings The brushes were positioned so the contact between the brush and collector is on the smooth surface near the ends of the collector rings.	tor). -	None

* Not safety related but required a significant power reduction to perform repairs.

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PILGRIM NUCLEAR POWER STATION

MAJOR SAFETY RELATED MAINTENANCE

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SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED
Diesel Genera- tors and Auxili- aries	"B" Emergency Diesel Generator (EDG) X-107B			Secured EDG "B" and replaced motor operated poten- tiometer. Following repairs, load test was successfully performed.	Procedure 3.M.3-61.5 "Emergency Diesel Gener- ator Refuel Outage Pre- ventive Maintenance" to be revised to include in pection of motor operate potentiometer each RFO.	s-
Diesel Genera- tors and Auxilia- ries	"B" Emergency Diesel Generator (EDG) X-107B turbo assist air receiver tank piping.	Check valve 47-CK-301C failed in closed pos- ition. (F&MR 92-32)	Rust and moist- ure buildup in check valve.	Check valve disass- embled and cleaned. Installed new valve seat.	PDC 91-61 "Diesel Generator Air Start Piping" to being con- sidered for implemen- tation during MCO 92.	None

Month January 1992

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET	NO. 50-293	
NAME	Pilgrim 1	
DATE	February 13, 1993	2
and the second se	TED BY W. Munro	
TELEPH(WE (508) 747-84	74

REPORT MONTH January 1992

NO.	DATE	TYPE	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
01	01/18/92	S	0.0	8	5	N/A	N/A	rod scr rod	er reduction to perform pattern adjustment; am time various control s; and perform main denser backwash.
02	01/29/92	F	0.0	В	5	N/A	N/A	"A"	er reduction to replace Recirculation Motor erator Set brushes.

1	2	2	3	4&5	
F-Forced S-Sched	A-Equip Sailure B-Maint or Test C-Refueling D-Regulatory Restriction E-Operator Training & License Examination		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)	