OPERATING DATA REPORT

DOCKET NO. 50-293
DATE 09/13/82
COMPLETED BY G.G.Whitney
TELEPHONE 617-746-7900

OPERATING STATUS

1. Unit Name: Pilgrim 1
2. Reporting Period: August, 1982
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): 690.
7. Maximum Dependable Capacity (Net MWe): 670.

Notes

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	744.0	5831.0	85271.0
12. Number Of Hours Reactor Was Critical	639.2	3453.6	59486.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	615.9	3208.8	57486.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1133616.0	5704584.0	98522472.0
17. Gross Electrical Energy Generated (MWH)	392160.0	1969030.0	32880264.0
18. Net Electrical Energy Generated (MWH)	377254.0	1895207.0	31589691.0
19. Unit Service Factor	82.8	55.0	67.4
20. Unit Availability Factor	82.8	55.0	67.4
21. Unit Capacity Factor (Using MDC Net)	75.7	48.5	55.3
22. Unit Capacity Factor (Using DER Net)	77.4	49.6	56.6
23. Unit Forced Outage Rate	17.2	8.3	9.9

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

NONE

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

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-293
UNIT Pilgrim ±
DATE 09/13/82
COMPLETED BY G.G. Whitney
TELEPHONE 617-746-7900

MONTH AUGUST, 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	626	17	4.
2	662.	18	382.
3	616.	19	301.
4	22.	20	456.
5	581.	21	543.
6	618.	22	644.
7	655.	23	663.
8	663.	24	663.
9	662.	25	664.
10	662.	26	665.
11	657.	27	665.
12	657	28	664.
13	384.	29	661.
14	0.	30	665.
15	0.	31	614.
16	0.		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH AUGUST, 1982

DOCKET NO. 50-293
UNIT NAME Pilgrim 1
DATE 09/13/82
COMPLETED BY G.G.Whitney
TELEPHONE 617-746-7900

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
25	82/08/03	F	23.2	H	3	N/A	CD	N/A	Main Steam Line Hi Rad Scram due to air intrusion.
26	82/08/13	F	104.9	H	3	82-023/01T	CD	ZZZZZZ	Scram when staging struck main steam line instrument rack.

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance of Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

4
Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit I - Same Source

(9/77)

BOSTON EDISON COMPANY

PILGRIM NUCLEAR POWER STATION

Summary of Operations for AUGUST, 1982

The unit was operating at 100% power until August 3, when the reactor scrammed due to main steam line radiation believed to be caused by air intrusion.

The reactor started up on August 4, generator put on grid, main condenser backwashed and power increased to 86%.

On August 5, power was reduced to 60% to change control rod pattern and subsequently increased to 100%. HPCI was declared inoperable on August 6 to repair leak on gland seal condenser and was returned to service. Reactor power was returned to 99% power on August 6.

On August 7, power was reduced to 65% to minimize main steam line high radiation levels while shifting condensate demineralizers. Reactor power returned to 99% on August 8.

On August 9, "B" Diesel Generator was declared inoperable for repairs. Repairs were completed on August 10 and the unit was returned to service.

On August 12 power was reduced to 70% while putting "E" Condensate demineralizer on line. RWCU was removed and isolated in an attempt to identify dyrwell leakage.

The reactor scrammed at 1400 on August 13 due to main steam line hi flow when staging struck main steam line instrument rack.

On August 14 "B" Diesel made inoperable due to ground at 1330. "B" Diesel declared operable at 2014.

Reactor power was increased to 70% on August 19 per direction of Reactor Engineering.

Holding 80% power on August 20 while investigating core flows mismatch (speed versus pump flow problem.) Continued increasing power under Reactor Engineering guidance. Trimmed power 2½ hours due to high condenser Delta T. Reactor power returned to 99% on August 22, 1982.

On August 26 power was returned to 100% until August 30. On August 31 main condenser was backwashed, and divers cleaned intake bays.

REFUELING INFORMATION

The following refueling information is included in the Monthly Report as requested in a letter to Mr. G. C. Andognini 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: September, 1983

3. Scheduled date for restart following refueling: November, 1983

4.

5. Due to their similarity, requests 4, 5, & 6 are responded to collectively:

6. The fuel, which had been loaded during the 1981 scheduled refueling outage, is of the same P8x8R design, as loaded the previous outage consisting of 112 P8DRB282 assemblies and 60 P8DRB265 assemblies.

7. (a) There are 580 fuel assemblies in the core.
   (b) There are 936 fuel assemblies in the spent fuel pool.

8. (a) The station is presently licensed to store 2320 spent fuel assemblies. The actual spent fuel storage capacity is 1770 fuel assemblies at present.

   (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 834 fuel assemblies.

MAJOR SAFETY RELATED MAINTENANCE MONTH AUGUST, 1982

SYSTEM	COMPONENT	MALFUNCTION	CAUSE	MAINTENANCE	CORRECTIVE ACTION TO PREVENT RECURRENCE	ASSOCIATED LER
RECIRC	"A" Recirc. Pump	Speed mismatch	Broken timing bolt on scoop tube positioner	Replaced belt	See LER	82-022/03L-0
HPCI	Control circuitry	HPCI tripped	Gland seal condenser gasket failure	Replaced gasket	Engineering support requested.	82-024/01T-0
MAIN STEAM	MOV 220-2	Erroneous indication	Worn limit switch components	Replaced actuator components. Stem nut restaked	Isolated Event	82-028/03L-0
Diesel Generator	"B" D/G	Would not stop when manual stop was activated	Faulty solenoid in Woodward Governor	Replaced Solenoid	See LER	82-029/03L-0

SAFETY/RELIEF VALVE CHALLENGES

MONTH OF: AUGUST, 1982

REQUIREMENT: TMI T.A.P. II.K.33

DATE: August 3, 1982

VALVE NUMBERS: RV 203-3C

REACTOR PRESSURE: 1040

REASON: Manual reduction of Reactor pressure subsequent to scram.

DATE: August 13, 1982

VALVE NUMBERS: (RV203-3)

	B	C	D	B	C	D	B	C	D	B	C
REACTOR PRESSURE:	1050	1050	1050	1072	1059	1068	1059	1040	1050	975	890

REASON: Manual reduction of Reactor pressure subsequent to scram.