



**Entergy Nuclear Operations, Inc.**  
Pilgrim Station  
600 Rocky Hill Road  
Plymouth, MA 02360

**Stephen J. Bethay**  
Director, Nuclear Assessment

April 7, 2004

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

**SUBJECT:** Entergy Nuclear Operations, Inc.  
Pilgrim Nuclear Power Station  
Docket No.: 50-293  
License No.: DPR-35

**March 2004 Monthly Operating Report**

**LETTER NUMBER:** 2.04.035

Dear Sir or Madam:

In accordance with Technical Specification 5.6.4, the operational status summary for Pilgrim Nuclear Power Station is provided in the attachment for your information and planning.

There are no commitments contained in this letter.

Should you have questions or comments concerning this report, please contact Mr. Bryan Ford at (508) 830-8403.

Sincerely,

A handwritten signature in cursive script that reads "Stephen J. Bethay".

Stephen J. Bethay  
Director, Nuclear Assessment

MJG/dm

**Attachment:** March 2004 Monthly Operating Report (1 page)

**cc:** Mr. Hubert Miller  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Senior Resident Inspector

IE24

## OPERATING DATA REPORT

**DOCKET NO.** 50-293  
**UNIT NAME** Pilgrim 1  
**DATE** April 05, 2004  
**COMPLETED BY** Mary J. Gatslick  
**TELEPHONE** (508) 830-7373

**REPORTING PERIOD:** March 2004

|   |                   |                   |                   |
|---|-------------------|-------------------|-------------------|
| 1. Design Electrical Rating                 | 690.00            |                   |                   |
| 2. Maximum Dependable Capacity (MWe-Net)    | 684.70            |                   |                   |
|   | <u>This Month</u> | <u>Yr-to-Date</u> | <u>Cumulative</u> |
| 3. Number of Hours the Reactor was Critical | 698.58            | 2,138.58          | 192,293.48        |
| 4. Number of Hours Generator On-line        | 681.92            | 2,121.92          | 190,066.87        |
| 5. Reserve Shutdown Hours                   | 0.00              | 0.00              | 0.00              |
| 6. Net Electrical Energy Generated (MWHrs)  | 455,553.04        | 1,448,361.92      | 113,101,040.3     |

### UNIT SHUTDOWNS

| No.    | Date       | Type<br>F: Forced<br>S: Scheduled | Duration<br>(Hours) | Reason 1 | Method of<br>Shutting<br>Down 2 | Cause & Corrective Action<br>Comments  |
|--------|------------|-----------------------------------|---------------------|----------|---------------------------------|--|
| 2004-1 | 03/22/2004 | S                                 | 62.08               | B        | 1                               | The shut down was planned for replacement of the pilot valves for 2 or the main steam relief valves. |

**SUMMARY:** The period began with the unit on line with the reactor operating at 100% power (2028 MWt). On March 22nd at 0800 hours a power reduction from 100% reactor power was initiated for a planned outage. The turbine was removed from the grid at 2100 hours the same day. Significant activities while the station was shut down included replacement of the pilot valves for 2 of the main steam relief valves. Reactor criticality was achieved on March 24th at 2330 hours. The unit was on line at 1105 hours on March 25th. 100% reactor power was achieved on March 26th at 1158 hours. A planned power reduction from 100% reactor power was initiated on March 29th at 0901 hours for a control rod pattern adjustment. The reactor power was reduced to about 58% for this activity. Reactor power ascension began on March 29th at 1152 hours, and 100% reactor power was achieved at about 0219 hours on March 30th. The period ended with the unit operating on line at 100% power (2028 MWt).

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**Reason:**

- A Equipment Failure (Explain)
- B Maintenance or Test
- C Refueling
- D Regulatory Restriction
- E Operator Training & License Examination
- F Administration
- G Operational Error (Explain)
- H Other (Explain)

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**Method:**

- 1 Manual
- 2 Manual Trip/Scram
- 3 Automatic Trip/Scram
- 4 Continuation
- 5 Other (Explain)