

**North  
Atlantic**

North Atlantic Energy Service Corporation  
P.O. Box 300  
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(603) 474-9521

The Northeast Utilities System

March 12, 1996

Docket No. 50-443  
NYN-96020


United States Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Seabrook Station  
Monthly Operating Report

Enclosed please find Monthly Operating Report 96-02. This report addresses the operating and shutdown experience relating to Seabrook Station Unit 1 for the month of February, 1996 and is submitted in accordance with the requirements of Seabrook Station Technical Specification 6.8.1.5.

Very truly yours,

NORTH ATLANTIC ENERGY SERVICE CORP.

  
\_\_\_\_\_  
W. A. DiProffio  
Station Director

cc: T. T. Martin, Region I Administrator  
A. W. De Agazio, NRC Project Manager, Seabrook Station  
J. B. Macdonald, Senior Resident Inspector, Seabrook Station

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# OPERATING DATA REPORT

|              |                           |
|--------------|---------------------------|
| DOCKET NO.   | 50-443                    |
| UNIT         | Seabrook 1                |
| DATE         | 3/11/96                   |
| COMPLETED BY | P.E. Nardone              |
| TELEPHONE    | 603/474-9521<br>Ext. 4074 |

| OPERATING STATUS |  |                         |            |            |
|------------------|--|-------------------------|------------|------------|
| 1.               | Unit Name:   | Seabrook Station Unit 1 |            |            |
| 2.               | Reporting Period:  | FEBRUARY 1996           |            |            |
| 3.               | Licensed Thermal Power (MWt):  | 3411                    |            |            |
| 4.               | Nameplate Rating (Gross MWe):  | 1197                    |            |            |
| 5.               | Design Electrical Rating (Net MWe):  | 1148                    |            |            |
| 6.               | Maximum Dependable Capacity (Gross MWe):   | 1204                    |            |            |
| 7.               | Maximum Dependable Capacity (Net MWe):   | 1158                    |            |            |
| 8.               | If Changes Occur in Capacity Ratings (Items Number 3 through 7) Since Last Report, Give Reasons: | Not Applicable          |            |            |
| 9.               | Power Level To Which Restricted, If Any (Net MWe):   | None                    |            |            |
| 10.              | Reasons For Restrictions, If Any:  | Not Applicable          |            |            |
|                  |  | This Month              | Yr-to-Date | Cumulative |
| 11.              | Hours in Reporting Period  | 696.0                   | 1440.0     | 82153.0    |
| 12.              | Number of Hours Reactor Was Critical   | 696.0                   | 1400.9     | 42330.9    |
| 13.              | Reactor Reserve Shutdown Hours   | 0.0                     | 0.0        | 953.3      |
| 14.              | Hours Generator On-Line  | 686.1                   | 1346.7     | 39956.8    |
| 15.              | Unit Reserve Shutdown Hours  | 0.0                     | 0.0        | 0.0        |
| 16.              | Gross Thermal Energy Generated (MWH)   | 1729081                 | 3948992    | 131041266  |
| 17.              | Gross Elec. Energy Generated (MWH)   | 597182                  | 1378109    | 45523399   |
| 18.              | Net Electrical Energy Generated (MWH)  | 566355                  | 1317111    | 43724867   |
| *19.             | Unit Service Factor  | 98.6                    | 93.5       | 79.6       |
| *20.             | Unit Availability Factor   | 98.6                    | 93.5       | 79.6       |
| *21.             | Unit Capacity Factor (Using MDC Net)   | 70.3                    | 79.0       | 76.5       |
| *22.             | Unit Capacity Factor (Using DER Net)   | 70.9                    | 79.7       | 76.7       |
| *23.             | Unit Forced Outage Rate  | 1.4                     | 6.5        | 6.4        |
| 24.              | Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):                       | None Scheduled          |            |            |
| 25.              | If Shut Down At End Of Report Period, Estimated Date of Startup:                                 | Not Applicable          |            |            |

\*NOTE: "Cumulative" values based on total hours starting 8/19/90, date Regular Full Power Operation began. Increased MDC values (Items 6 & 7) starting 12/01/95.

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-443  
 UNIT Seabrook 1  
 DATE 3/11/96  
 COMPLETED BY P.E. Nardone  
 TELEPHONE 603/474-9521  
                   Ext. 4078

MONTH: FEBRUARY, 1996

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 1   | 594                                    |
| 2   | 201                                    |
| 3   | 319                                    |
| 4   | 402                                    |
| 5   | 404                                    |
| 6   | 407                                    |
| 7   | 407                                    |
| 8   | 402                                    |
| 9   | 412                                    |
| 10  | 448                                    |
| 11  | 572                                    |
| 12  | 781                                    |
| 13  | 910                                    |
| 14  | 990                                    |
| 15  | 1016                                   |
| 16  | 1013                                   |

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 17  | 1016                                   |
| 18  | 1014                                   |
| 19  | 1015                                   |
| 20  | 1016                                   |
| 21  | 1019                                   |
| 22  | 1136                                   |
| 23  | 1158                                   |
| 24  | 1158                                   |
| 25  | 1158                                   |
| 26  | 1158                                   |
| 27  | 1158                                   |
| 28  | 1158                                   |
| 29  | 1157                                   |
| 30  |  |
| 31  |  |

**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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-443  
 UNIT Seabrook I  
 DATE 3/11/96  
 COMPLETED BY P.E. Nardone  
 TELEPHONE 603/474-9521  
                   Ext. 4074

REPORT MONTH FEBRUARY 1996

| NO.                                       | DATE     | TYPE <sup>1</sup>   | DURATION (HOURS) | REASON <sup>2</sup> | METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>   | LICENSEE EVENT REPORT # | CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE  |  |
|---|----------|---|------------------|---------------------|--|-------------------------|--|--|
| 96-02                                     | 02/01/96 | F   | 9.9              | A                   | 9  | N/A                     | <p>Identified degrading flow in Generator Stator Cooling (GSC) system. Reduced power from 100% RTP and opened generator breaker. Reactor power held at 17% RTP while cleaning GSC strainer. Strainer was found to be clogged with cupric oxide. Generator breaker reclosed on 02/02/96.</p> <p>Power was incrementally raised over the next three weeks as flow steadily improved as a result of oxygen addition and on-line chemical cleaning. GSC flow rates forced holds at 30%, 40% and 88% RTP during that period.</p> <p>The unit returned to full power operation on 02/22/96</p> |  |
| <sup>1</sup><br>F: Forced<br>S: Scheduled |          | <sup>2</sup><br>Reason:<br>A - Equipment Failure (Explain)<br>B - Maintenance or Test<br>C - Refueling<br>D - Regulatory Restriction<br>E - Operator Training & License Examination<br>F - Administrative<br>G - Operational Error (Explain)<br>H - Other (Explain) |                  |                     | <sup>3</sup><br>Method:<br>1 - Manual<br>2 - Manual Scram<br>3 - Automatic Scram<br>4 - Continued from previous month<br>5 - Power Reduction (Duration = 0)<br>9 - Other (Explain) |                         |  |  |

