



**North  
Atlantic**

North Atlantic Energy Service Corporation  
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(603) 474-9521

The Northeast Utilities System

January 8, 2002

Docket No. 50-443

NYN-02004

United States Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

Seabrook Station  
December 2001 Monthly Operating Report

Enclosed please find Monthly Operating Report 01-12. This report addresses the operating and shutdown experience relating to Seabrook Station Unit 1 for the month of December, 2001 and is submitted in accordance with the requirements of Seabrook Station Technical Specification 6.8.1.5.

Should you require further information regarding this matter, please contact Mr. James M. Peschel, Manager - Regulatory Programs, at (603) 773-7194.

Very truly yours,

NORTH ATLANTIC ENERGY SERVICE CORP.

  
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Gene F. St. Pierre  
Station Director

cc:

H. J. Miller, NRC Region I Administrator  
G. F. Wunder, NRC Project Manager, Project Directorate 1-2  
G.T. Dentel, NRC Senior Resident Inspector

IE24

# OPERATING DATA REPORT

DOCKET NO. 50-443  
 UNIT Seabrook 1  
 DATE January 1, 2002  
 COMPLETED BY P.E. Nardone  
 TELEPHONE (603) 773-7074

<b><u>OPERATING STATUS</u></b>				
1.	Unit Name:	Seabrook Station Unit 1		
2.	Reporting Period:	DECEMBER 2001		
3.	Licensed Thermal Power (MWt):	3411.0		
4.	Design Electrical Rating (Net MWe):	1148.0		
5.	Maximum Dependable Capacity (Net MWe):	1155.3		
6.	If Changes Occur in Capacity Ratings (Items Number 3 through 5) Since Last Report, Give Reasons:	Not Applicable		
		This Month	Yr-to-Date	Cumulative
7.	Number of Hours Reactor Was Critical	744.0	7809.4	86503.9
8.	Hours Generator On-Line	744.0	7704.5	83708.7
9.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
10.	Net Electrical Energy Generated (MWH)	861860	8692240	93885532

<b><u>OPERATING SUMMARY</u></b>
<p>The unit operated at 100% Rated Thermal Power (RTP) for all but thirteen hours this month. It reduced power to 97% RTP to facilitate calibration of a Reactor Protection Temperature Channel. This yielded an availability factor of 100% and a capacity factor of 100.3% based on the MDC value of 1155.3 Net MWe.</p>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-443

UNIT Seabrook 1

DATE January 1, 2002

COMPLETED BY P.E. Nardone

TELEPHONE (603) 773-7074

MONTH: DECEMBER 2001

NO.	DATE	TYPE <sup>1</sup>	DURATION (HOURS)	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	CAUSE / CORRECTIVE ACTIONS COMMENTS	
01-13	12/26/01	F	0.0	B/F	5	Reduced power to 97% RTP to complete a calibration on Loop 1 Reactor Protection Temperature channel. Operations procedures required a 2% RTP power reduction with Loops 1, 3 or 4 temperature channels in a tripped condition. This action provides margin against an inadvertent OPAT/OTAT reactor trip due to the Upper Plenum Flow Anomaly. Unit returned to full power operation the following day.	
<sup>1</sup> F: Forced S: Scheduled		<sup>2</sup> Reason: A - Equipment Failure (Explain) B - Maintenance or Test C - Refueling D - Regulatory Restriction E - Operator Training / License Examination F - Administrative G - Operational Error (Explain) H - Other (Explain)			<sup>3</sup> Method: 1 - Manual 2 - Manual Trip 3 - Automatic Trip 4 - Continued from previous month 5 - Other (Explain)		