

**North  
Atlantic**

North Atlantic Energy Service Corporation  
P.O. Box 300  
Seabrook, NH 03874  
(603) 474-9521

The Northeast Utilities System

NOV 8 1996

Docket No. 50-443  
NYN-96078

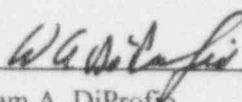
United States Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Seabrook Station  
Monthly Operating Report

Enclosed please find Monthly Operating Report 96-10. This report addresses the operating and shutdown experience relating to Seabrook Station Unit 1 for the month of October, 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.



William A. DiProffo  
Station Director

cc: H. J. Miller, 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	November 1, 1996
COMPLETED BY	P.E. Nardone
TELEPHONE	603/474-9521 Ext. 4074

OPERATING STATUS				
1.	Unit Name:	Seabrook Station Unit 1		
2.	Reporting Period:	OCTOBER, 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	745.0	7320.0	88033.0
12.	Number of Hours Reactor Was Critical	745.0	7280.9	48210.9
13.	Reactor Reserve Shutdown Hours	0.0	0.0	953.3
14.	Hours Generator On-Line	745.0	7226.7	45836.8
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2528667	23992839	151085112
17.	Gross Elec. Energy Generated (MWH)	895230	8470036	52615326
18.	Net Electrical Energy Generated (MWH)	861487	8144455	50552211
*19.	Unit Service Factor	100.0	98.7	81.8
*20.	Unit Availability Factor	100.0	98.7	81.8
*21.	Unit Capacity Factor (Using MDC Net)	99.9	96.1	79.1
*22.	Unit Capacity Factor (Using DER Net)	100.7	96.9	79.3
*23.	Unit Forced Outage Rate	0.0	1.3	5.6
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 November 1, 1996

COMPLETED BY P.E. Nardone

TELEPHONE 603/474-9521  
Ext. 4074

MONTH: OCTOBER, 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1163
2	1162
3	978
4	1161
5	1162
6	1162
7	1162
8	1163
9	1163
10	1163
11	1162
12	1162
13	1162
14	1162
15	1162
16	1162

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1162
18	1162
19	1162
20	1162
21	1162
22	1162
23	1162
24	1163
25	1162
26	1163
27	1163
28	1163
29	1163
30	1163
31	1163

## 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 1  
DATE November 1, 1996  
COMPLETED BY P.E. Nardone  
TELEPHONE 603/474-9521  
Ext. 4074

REPORT MONTH OCTOBER, 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
96-03	10/02/96	F	18.5	A/F	9	N/A	Reduced power to 70% RTP to replace a failed 30VDC power supply associated with Main Feedwater Pump A turbine governor control circuit.
<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 Scram 3 - Automatic Scram 4 - Continued from previous month 5 - Power Reduction (Duration = 0) 9 - Other (Explain)		

## REFUELING INFORMATION REQUEST

DOCKET NO.	50-443
UNIT	Seabrook 1
DATE	November 1, 1996
COMPLETED BY	P.E. Nardone
TELEPHONE	603/474-9521 Ext. 4074

1. Name of Facility: Seabrook Unit 1
2. Scheduled date for next refueling shutdown: Refueling Outage 5, 05/10/96
3. Scheduled date for restart following refueling: Refueling Outage 5, 06/16/96 [ 38 days: based on RO 04 ]
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
N/A
5. Schedule date(s) for submitting licensing action and supporting information:  
N/A
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures:  
N/A
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:  
(a) In Core: 193 (b) 288
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies:  
Present licensed capacity: 1236  
No increase in storage capacity requested or planned.
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:  
Licensed capacity of 1236 fuel assemblies based on two annual and twelve eighteen-month refuelings with full core offload capability.  
The current licensed capacity is adequate until at least the year 2010.