

**North
Atlantic**

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

The Northeast Utilities System

January 10, 1997

Docket No. 50-443
NYN-97002

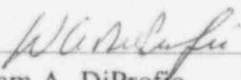
United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Seabrook Station
Monthly Operating Report

Enclosed please find Monthly Operating Report 96-12. This report addresses the operating and shutdown experience relating to Seabrook Station Unit 1 for the month of December, 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 January 2, 1996
COMPLETED BY P.E. Nardone
TELEPHONE (603) 773-7074

OPERATING STATUS				
1.	Unit Name:	Seabrook Station Unit 1		
2.	Reporting Period:	DECEMBER, 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	744.0	8784.0	89497.0
12.	Number of Hours Reactor Was Critical	744.0	8744.9	49674.9
13.	Reactor Reserve Shutdown Hours	0.0	0.0	953.3
14.	Hours Generator On-Line	744.0	8690.7	47300.8
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2530869	28978937	156071210
17.	Gross Elec. Energy Generated (MWH)	896570	10236676	54381967
18.	Net Electrical Energy Generated (MWH)	862650	9844193	52251949
*19.	Unit Service Factor	100.0	98.9	82.3
*20.	Unit Availability Factor	100.0	98.9	82.3
*21.	Unit Capacity Factor (Using MDC Net)	100.1	96.8	79.7
*22.	Unit Capacity Factor (Using DER Net)	101.0	97.6	79.9
*23.	Unit Forced Outage Rate	0.0	1.1	5.5
24.	Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	Refueling, 05/10/97, 38 Days		
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 January 2, 1996

COMPLETED BY P.E. Nardone

TELEPHONE (603) 773-7074

MONTH: DECEMBER, 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1164
2	1164
3	1163
4	1163
5	1163
6	1163
7	1163
8	1163
9	1163
10	1163
11	1163
12	1069
13	1159
14	1162
15	1162
16	1162

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1163
18	1164
19	1164
20	1162
21	1162
22	1162
23	1162
24	1163
25	1162
26	1162
27	1162
28	1162
29	1163
30	1162
31	1161

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 January 2, 1996
COMPLETED BY P.E. Nardone
TELEPHONE (603) 773-7074

REPORT MONTH DECEMBER, 1996

NO.	DATE	TYPE ¹	DURATION (HOURS)	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT #	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE Page 1 of 1
96-04	12/12/96	F	24.0	A	9	N/A	<p>A high Dp signal on "C" CW traveling screen initiated automatic closure of associated CW pump discharge valve.</p> <p>Operations tripped "C" CW pump and reduced power to 86% RTP because of CW Delta-T discharge limits.</p> <p>The hi Dp signal was determined to be an instrumentation problem (erroneous indication).</p> <p>The plant returned to full power operation 24 hours later.</p>
¹ F - Forced S - Scheduled		² 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)			³ 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	January 2, 1996
COMPLETED BY	P.E. Nardone
TELEPHONE	(603) 773-7074

1. Name of Facility: Seabrook Unit 1
2. Scheduled date for next refueling shutdown: Refueling Outage 5, 05/10/97
3. Scheduled date for restart following refueling: Refueling Outage 5, 06/16/97 [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.