



**North
Atlantic**

North Atlantic Energy Service Corporation
P.O. Box 300
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The Northeast Utilities System

October 14, 1998

Docket No. 50-443

NYN-98119

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

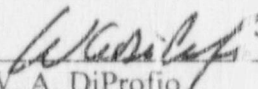
Seabrook Station
Monthly Operating Report

Enclosed please find Monthly Operating Report 98-09. This report addresses the operating and shutdown experience relating to Seabrook Station Unit 1 for the month of September, 1998 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. Terry L. Harpster, Director of Licensing Services, at (603) 773-7765.

Very truly yours,

NORTH ATLANTIC ENERGY SERVICE CORP.



W. A. DiProfio
Station Director

cc:

H. J. Miller, NRC Region 1 Administrator
J. T. Harrison, NRC Project Manager, Project Directorate 1-3
R. K. Lorsen, NRC Senior Resident Inspector

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OPERATING DATA REPORT

DOCKET NO. 50-443
 UNIT Seabrook 1
 DATE October 01, 1998
 COMPLETED BY P. E. Nardone
 TELEPHONE (603) 773-7074

OPERATING STATUS			
1.	Unit Name:	Seabrook Station Unit 1	
2.	Reporting Period:	SEPTEMBER 1998	
3.	Licensed Thermal Power (MWt):	3411	
4.	Nameplate Rating (Gross MWe):	1242	
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	720.0	6551.0
12.	Number of Hours Reactor Was Critical	720.0	5498.1
13.	Reactor Reserve Shutdown Hours	0.0	0.0
14.	Hours Generator On-Line	720.0	5437.2
15.	Unit Reserve Shutdown Hours	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2455634	18450082
17.	Gross Elec. Energy Generated (MWH)	868306	6513227
18.	Net Electrical Energy Generated (MWH)	835971	6268268
*19.	Unit Service Factor	100.0	83.0
*20.	Unit Availability Factor	100.0	83.0
*21.	Unit Capacity Factor (Using MDC Net)	100.3	82.6
*22.	Unit Capacity Factor (Using DER Net)	101.1	83.3
*23.	Unit Forced Outage Rate	0.0	17.0
14.	Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each)	Refueling, 01/27/99, 45 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.
 Updated Item 4 per NUREG-0020 in July 1998.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-443
 UNIT Seabrook 1
 DATE October 01, 1998
 COMPLETED BY P.E. Nardone
 TELEPHONE (603) 773-7074

MONTH SEPTEMBER, 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1161
2	1162
3	1161
4	1161
5	1161
6	1161
7	1161
8	1161
9	1161
10	1161
11	1160
12	1161
13	1161
14	1161
15	1161
16	1161

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1161
18	1160
19	1161
20	1161
21	1161
22	1161
23	1161
24	1161
25	1161
26	1161
27	1162
28	1162
29	1161
30	1161
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 1
 DATE October 01, 1998
 COMPLETED BY P.E. Nardone
 TELEPHONE (603) 773-7074

MONTH SEPTEMBER 1998

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	
No entries for this month								
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.	<u>50-443</u>
UNIT	<u>Seabrook 1</u>
DATE	<u>October 01, 1998</u>
COMPLETED BY	<u>P.E. Nardone</u>
TELEPHONE	<u>(603) 773-7074</u>

- Name of Facility: Seabrook Unit 1
- Scheduled date for next refueling shutdown: Refueling Outage 6, 03/27/99
- Scheduled date for restart following refueling: Refueling Outage 6, 05/10/99 [45 days]
- Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
N/A
- Schedule date(s) for submitting licensing action and supporting information:
N/A
- 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
- The number of fuel assemblies (a) in the core (b) in the spent fuel storage pool and (c) in the new fuel storage vault
(a) 193 (b) 376 (c) 0
- 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.
- 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.