



**North
Atlantic**

North Atlantic Energy Service Corporation
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The Northeast Utilities System

November 12, 1999

Docket No. 50-443

NYN-99103

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

Seabrook Station
October 1999 Monthly Operating Report

Enclosed please find Monthly Operating Report 99-10. This report addresses the operating and shutdown experience relating to Seabrook Station Unit 1 for the month of October, 1999 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, Regulatory Compliance Manager, at (603) 773-7194.

Very truly yours,

NORTH ATLANTIC ENERGY SERVICE CORP.



W. A. DiProfio
Station Director

cc:

H. J. Miller, NRC Region I Administrator
J. T. Harrison, NRC Project Manager, Project Directorate 1-2
R. K. Lorson, NRC Senior Resident Inspector

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OPERATING DATA REPORT

DOCKET NO. 50-443
 UNIT Seabrook 1
 DATE November 1, 1999
 COMPLETED BY P.E. Nardone
 TELEPHONE (603) 773-7074

OPERATING STATUS				
1.	Unit Name:	Seabrook Station Unit 1		
2.	Reporting Period:	OCTOBER 1999		
3.	Licensed Thermal Power (MWt):	3411.0		
4.	Nameplate Rating (Gross MWe):	1242.0		
5.	Design Electrical Rating (Net MWe):	1148.0		
6.	Maximum Dependable Capacity (Gross MWe):	1204.0		
7.	Maximum Dependable Capacity (Net MWe):	1155.3		
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	7296.0	114313.0
12.	Number of Hours Reactor Was Critical	745.0	6201.9	70264.8
13.	Reactor Reserve Shutdown Hours	0.0	0.0	953.3
14.	Hours Generator On-Line	745.0	6101.6	67628.8
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2541350	20570697	224731071
17.	Gross Elec. Energy Generated (MWH)	899282	7273684	78631631
18.	Net Electrical Energy Generated (MWH)	863973	6988789	75574875
*19.	Unit Service Factor	100.0	83.6	82.2
*20.	Unit Availability Factor	100.0	83.6	82.2
*21.	Unit Capacity Factor (Using MDC Net)	100.4	82.8	80.1
*22.	Unit Capacity Factor (Using DER Net)	101.0	83.4	80.5
*23.	Unit Forced Outage Rate	0.0	0.8	6.8
24.	Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	Non 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.
 Updated Item 4 per NUREG-0020 in July 1998.
 Decreased MDC value (Item 7) starting 05/01/99

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-443
 UNIT Seabrook 1
 DATE November 1, 1999
 COMPLETED BY P.E. Nardone
 TELEPHONE (603) 773-7074

MONTH OCTOBER, 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1160
2	1160
3	1160
4	1160
5	1159
6	1160
7	1159
8	1160
9	1160
10	1160
11	1160
12	1159
13	1160
14	1160
15	1160
16	1160

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1160
18	1159
19	1159
20	1160
21	1160
22	1160
23	1160
24	1160
25	1159
26	1160
27	1159
28	1159
29	1160
30	1160
31	1160
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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, 1999
 COMPLETED BY P.E. Nardone
 TELEPHONE (603) 773-7074

MONTH OCTOBER, 1999

NO.	DATE	TYPE ¹	DURATION (HOURS)	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT #	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
							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. 50-443
UNIT Seabrook 1
DATE November 1, 1999
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 7, 10/21/00
3. Scheduled date for restart following refueling: Refueling Outage 7, 11/24/00 [35 days]
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
YES: LAR 99-02, "Operation with Relaxed Axial Offset Control and Continued Use of the Fixed Incore Detectors."

5. Schedule date(s) for submitting licensing action and supporting information:
Submitted November 2, 1999

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:

LAR 99-02 proposes Technical Specification changes to operate Seabrook Station with:

- a) Upgraded Westinghouse Fuel Design with Intermediate Flow Mixers (VANTAGE+ w/IFMs).
- b) Safety analysis jointly supplied by Westinghouse and Duke Engineering Services.
- c) Westinghouse Relaxed Axial Offset Control (RAOC) using the Fixed Incore Detection System.

7. 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) 452 (c) 0

Note: Item 7b above was updated last month to correct a clerical error that existed since February 1999. The number is the result of the addition of 76 fuel assemblies to the previous total of 376 yielding 452 and not the 456 that was incorrectly reported.

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.