

**North  
Atlantic**

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

The Northeast Utilities System

July 15, 1999

Docket No. 50-443

NYN-99067

AR#98019475

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

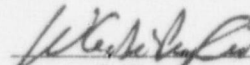
Seabrook Station  
June 1999 Monthly Operating Report

Enclosed please find Monthly Operating Report 99-06. This report addresses the operating and shutdown experience relating to Seabrook Station Unit 1 for the month of June, 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.

  
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W. A. DiProffio  
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 July 1, 1999  
 COMPLETED BY P. E. Nardone  
 TELEPHONE (603) 773-7074

<b>OPERATING STATUS</b>				
1.	Unit Name:	Seabrook Station Unit 1		
2.	Reporting Period:	JUNE 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	720.0	4343.0	111360.0
12.	Number of Hours Reactor Was Critical	720.0	3248.9	67311.8
13.	Reactor Reserve Shutdown Hours	0.0	0.0	953.3
14.	Hours Generator On-Line	720.0	3148.6	64675.8
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2454228	10498945	214659319
17.	Gross Elec. Energy Generated (MWH)	870264	3708050	75065996
18.	Net Electrical Energy Generated (MWH)	835896	3563380	72149466
*19.	Unit Service Factor	100.0	72.5	81.5
*20.	Unit Availability Factor	100.0	72.5	81.5
*21.	Unit Capacity Factor (Using MDC Net)	100.5	70.9	79.4
*22.	Unit Capacity Factor (Using DER Net)	101.1	71.5	79.7
*23.	Unit Forced Outage Rate	0.0	1.5	7.0
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.

# AVERAGE DAILY UNIT POWER LEVEL

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

MONTH JUNE, 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1162
2	1162
3	1162
4	1161
5	1162
6	1162
7	1163
8	1157
9	1162
10	1162
11	1161
12	1146
13	1161
14	1161
15	1162
16	1162

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

**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 July 1, 1999

COMPLETED BY P.E. Nardone

TELEPHONE (603) 773-7074

MONTH JUNE, 1999

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 Page 1 of 1
99-06	06/08/99	F	0.0	F	5	N/A	Commenced power reduction in response to high vibration alarm on Turbine bearing #12. Reduced power and held at 98% RTP while dropping line voltage to 357 KV. Bearing vibration stabilized below alarm value and unit returned to full power operation that same day.
99-07	06/12/99	F	0.0	A/F	5	N/A	Reduced power to 98% RTP to correct a problem with Channel 4 Power Range rate circuit. Operations procedures required a 2% RTP power reduction when instrumentation affecting Loops 1, 3 or 4 temperature channels is placed in a tripped condition. This action provides margin against an inadvertent OPDT reactor trip due to the Upper Plenum Flow Anomaly. Unit returned to full power operation that same day.
<p><sup>1</sup> F: Forced S: Scheduled</p> <p><sup>2</sup> Reason: A - Equipment Failure (Explain) B - Maintenance or Test C - Refueling D - Regulatory Restriction E - Operator Training &amp; License Examination F - Administrative G - Operational Error (Explain) H - Other (Explain)</p> <p><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)</p>							

# REFUELING INFORMATION REQUEST

DOCKET NO.	<u>50-443</u>
UNIT	<u>Seabrook 1</u>
DATE	<u>July 1, 1999</u>
COMPLETED BY	<u>P.E. Nardone</u>
TELEPHONE	<u>(603) 773-7074</u>

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?  
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 (b) in the spent fuel storage pool and (c) in the new fuel storage vault  
(a) 193 (b) 456 (c) 0
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.