

**North
Atlantic**

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

June 10, 1999

Docket No. 50-443

NYN-99057

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

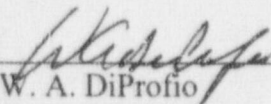
Seabrook Station
May 1999 Monthly Operating Report

Enclosed please find Monthly Operating Report 99-05. This report addresses the operating and shutdown experience relating to Seabrook Station Unit 1 for the month of May, 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. 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 June 1, 1999
 COMPLETED BY P.E. Nardone
 TELEPHONE (603) 773-7074

OPERATING STATUS				
1.	Unit Name:	Seabrook Station Unit 1		
2.	Reporting Period:	MAY 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:	Item 7 changed to reflect revised metering requirements. Decrease due to additional transformer, breaker and bus losses that were not previously accounted for.		
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	3623.0	110640.0
12.	Number of Hours Reactor Was Critical	484.2	2528.9	66591.8
13.	Reactor Reserve Shutdown Hours	0.0	0.0	953.3
14.	Hours Generator On-Line	388.2	2428.6	63955.8
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	1136402	8044717	212205091
17.	Gross Elec. Energy Generated (MWH)	392902	2837786	74195732
18.	Net Electrical Energy Generated (MWH)	374720	2727484	71313570
*19.	Unit Service Factor	52.2	67.0	81.3
*20.	Unit Availability Factor	52.2	67.0	81.3
*21.	Unit Capacity Factor (Using MDC Net)	43.6	65.0	79.2
*22.	Unit Capacity Factor (Using DER Net)	43.9	65.6	79.5
*23.	Unit Forced Outage Rate	10.8	1.9	7.1
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 June 1, 1999

COMPLETED BY P.E. Nardone

TELEPHONE (603) 773-7074

MONTH MAY, 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	20
14	293
15	518
16	761

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1047
18	1021
19	503
20	0
21	88
22	921
23	1161
24	1162
25	1162
26	1147
27	1162
28	1162
29	1162
30	1162
31	1162
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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 June 1, 1999

COMPLETED BY P.E. Nardone

TELEPHONE (603) 773-7074

MONTH MAY, 1999

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
99-03	05/01/99	S	308.97	C	4	N/A	Scheduled Refueling Outage No. 6 [OR06] The outage extended 69 hrs past scheduled 45 days.
99-04	05/18/99	F	46.85	B/F	9	N/A	During return to 100% RTP from OR06, terminated power increase at 93% RTP because of high vibration on Exciter bearing #12. Reduced power and opened generator breaker. Reactor power held at 8% RTP while performing alignment on Exciter and maintenance on Exciter bearings and coupling. Unit returned to full power operation on 05/22/99.
99-05	05/26/99	F	0	A/F	5	N/A	Reduced power to 96% RTP to correct a problem with Loop 4 Reactor Protection Temperature channel. Operations procedures required a 4% RTP power reduction with Loops 1, 3 or 4 temperature channels 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>¹ Reason:</p> <ul style="list-style-type: none"> 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) <p>² Method:</p> <ul style="list-style-type: none"> 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	June 1, 1999
COMPLETED BY	P. E. Nardone
TELEPHONE	(603) 773-7074

- Name of Facility: Seabrook Unit 1
- Scheduled date for next refueling shutdown: Refueling Outage 7, 10/21/00
- Scheduled date for restart following refueling: Refueling Outage 7, 11/24/00 [35 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) 456 (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.