

**North
Atlantic**

North Atlantic Energy Service Corporation
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The Northeast Utilities System

June 13, 1997
Docket No. 50-443
NYN-97063

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

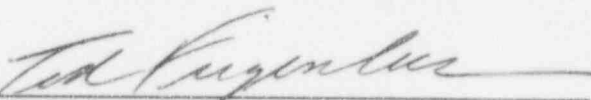
Seabrook Station
Monthly Operating Report

Enclosed please find Monthly Operating Report 97-05. This report addresses the operating and shutdown experience relating to Seabrook Station Unit 1 for the month of May, 1997 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.



Ted C. Feigenbaum
Executive Vice President
and Chief Nuclear Officer

cc: H. J. Miller, Region I Administrator
A.W. De Agazio, NRC Project Manager, Seabrook Station
W. J. Olsen, Senior Resident Inspector, Seabrook Station

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OPERATING DATA REPORT

DOCKET NO.	50-443
UNIT	Seabrook 1
DATE	June 6, 1997
COMPLETED BY	P.E. Nardone
TELEPHONE	(603) 773-7074

OPERATING STATUS				
1.	Unit Name:	Seabrook Station Unit 1		
2.	Reporting Period:	MAY, 1997		
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	3623.0	93120.0
12.	Number of Hours Reactor Was Critical	218.2	3097.2	52772.1
13.	Reactor Reserve Shutdown Hours	0.0	0.0	953.3
14.	Hours Generator On-Line	216.0	3095.0	50395.8
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	708891	10531723	166602933
17.	Gross Elec. Energy Generated (MWH)	249830	3725321	58107288
18.	Net Electrical Energy Generated (MWH)	240157	3584806	55836755
*19.	Unit Service Factor	29.0	85.4	82.5
*20.	Unit Availability Factor	29.0	85.4	82.5
*21.	Unit Capacity Factor (Using MDC Net)	27.9	85.4	80.0
*22.	Unit Capacity Factor (Using DER Net)	28.1	86.2	80.3
*23.	Unit Forced Outage Rate	0.0	0.0	5.1
24.	Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	Refueling, 05/10/97, 36 Days		
25.	If Shut Down At End Of Report Period, Estimated Date of Startup:	06/22/97		

*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 June 6, 1997

COMPLETED BY P.E. Nardone

TELEPHONE (603) 773-7074

MONTH: MAY, 1997

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1163
2	1163
3	1163
4	1163
5	1163
6	1163
7	1163
8	1163
9	703
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

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 6, 1997

COMPLETED BY P.E. Nardone

TELEPHONE (603) 773-7074

REPORT MONTH MAY, 1997

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
97-03	05/10/97	S	528.0	C	3	97-08	Scheduled refueling outage: Intermediate Range excore nuclear instrumentation caused an automatic trip from 8% RTP when it was automatically enabled during planned shutdown. The main generator breaker was opened as scheduled prior to the trip. See LER 97-08 for information on root cause and corrective action.
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	June 6, 1997
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, 06/14/97 [36 days]
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
Yes: LAR 97-02, Design Feature - Fuel Assembly Cladding (TAC M98842)
5. Schedule date(s) for submitting licensing action and supporting information:
LAR 97-02 submitted on May 9, 1997
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) 0 (b) 561 (c) 4
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.