

New Hampshire  
**Yankee**

Ted C. Feigenbaum  
President and  
Chief Executive Officer

NYN- 90212

December 14, 1990

United States Nuclear Regulatory Commission  
Washington, DC 20555

Attention: Document Control Desk

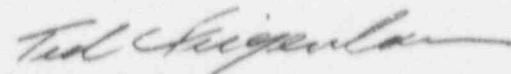
References: Facility Operating License NPF-86, Docket No. 50-443

Subject: Monthly Operating Report

Gentlemen:

Enclosed please find Monthly Operating Report 90-11. This report addresses the operating and shutdown experience relating to Seabrook Station Unit 1 for the month of November, 1990 and is submitted in accordance with the requirements of Seabrook Station Technical Specification 6.8.1.5.

Very truly yours,

  
Ted C. Feigenbaum

Enclosure

cc: Mr. Thomas T. Martin  
Regional Administrator  
United States Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, PA 19406

Mr. Noel Dudley  
NRC Senior Resident Inspector  
P.O. Box 1149  
Seabrook, NH 03874

9012190059 901130  
PLR ADUCK 05000443  
R PDR

New Hampshire Yankee Division of Public Service Company of New Hampshire  
P.O. Box 300 • Seabrook, NH 03874 • Telephone (603) 474-9521

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OPERATING DATA REPORT

DOCKET NO. 50-443  
 UNIT Seabrook 1  
 DATE 12/14/90  
 COMPLETED BY P. Nardone  
 TELEPHONE (603) 474-9521  
(Ext. 4074)

OPERATING STATUS

1. Unit Name: Seabrook Station Unit 1
2. Reporting Period: NOVEMBER 1990
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): 1200
7. Maximum Dependable Capacity (Net MWe): 1150
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: None
10. Reasons For Restrictions, If Any: Not Applicable

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720.0	8016.0	36145.0
12. Number Of Hours Reactor Was Critical	406.4	4780.9	4975.3
13. Reactor Reserve Shutdown Hours	0.0	953.3	953.3
14. Hours Generator On-Line	362.2	3383.4	3383.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1150226	10064596	10065686
17. Gross Elec. Energy Generated (MWH)	396964	3382589	3382589
18. Net Electrical Energy Generated (MWH)	381132	3238333	3238333
*19. Unit Service Factor	50.3	81.2	81.2
*20. Unit Availability Factor	50.3	81.2	81.2
*21. Unit Capacity Factor (Using MDC Net)	46.0	77.2	77.2
*22. Unit Capacity Factor (Using DER Net)	46.1	77.3	77.3
*23. Unit Forced Outage Rate	49.7	18.8	18.8
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None Scheduled</u>			

25. If Shut Down At End Of Report Period, Estimated Date Of Startup: Not Applicable

\*NOTE: Values based on accumulated hours starting 08/19/90, date Regular Full Power Operation began.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-443  
 UNIT Seabrook 1  
 DATE 12/11/90  
 COMPLETED BY P. Wardone  
 TELEPHONE (603) 474-9521  
 (Ext. 4074)

MONTH NOVEMBER, 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	16	<u>0</u>
2	<u>310</u>	17	<u>0</u>
3	<u>1069</u>	18	<u>0</u>
4	<u>1152</u>	19	<u>0</u>
5	<u>1152</u>	20	<u>0</u>
6	<u>1152</u>	21	<u>0</u>
7	<u>1152</u>	22	<u>0</u>
8	<u>1152</u>	23	<u>194</u>
9	<u>697</u>	24	<u>935</u>
10	<u>0</u>	25	<u>1151</u>
11	<u>0</u>	26	<u>1152</u>
12	<u>0</u>	27	<u>1153</u>
13	<u>0</u>	28	<u>1155</u>
14	<u>0</u>	29	<u>1153</u>
15	<u>0</u>	30	<u>1152</u>

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

REPORT MONTH NOVEMBER, 1990

DOCKET NO. 50-443  
 UNIT Seabrook 1  
 DATE 12/14/90  
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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
90-28	11/01/90	F	29.5	A	4	N/A	Ground detected on exciter field. Generator breaker opened while reactor power maintained at 10% RTP. Commenced turbine loading following repair of cable from exciter collector ring to exciter field.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

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REPORT MONTH NOVEMBER, 1990

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
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90-29	11/09/90	F	328.3	A	3	90-25	
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Automatic reactor trip on IO-IO steam generator level caused by an air supply failure to feedwater regulating valve V520 (SG B). The air booster relays for all four feedwater regulating valves were relocated to an area with less vibration.

The shutdown was prolonged by additional repairs required on both pressurizer PORV's, reactor coolant pump C seal package and Train A steam supply valve to EFW pump turbine.

DOCKET NO. 50-443

UNIT Seabrook 1

DATE 12/14/90

CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

COMPLETED BY P. Nardone

REPORT MONTH NOVEMBER, 1990

TELEPHONE (603) 474-9521

(Ext. 4074)

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DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
11/13/90	Excore Nuclear Instrumentation	1-NI-NM-6690 Train A PAM Nuclear Instrumentation Channel	Indication failed low during power operation. Replaced defective 15VDC power supply.
11/29/90	Reactor Coolant	1-RC-TE-421B Protection Set 2 Narrow Range Cold Leg RTD	Hi lead imbalance on TE-421B caused signal to fluctuate. Removed RTD from service and temporarily placed spare RTD TE-420B in service. Reworked splice at TE-421B and returned it to service.

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REFUELING INFORMATION REQUEST

1. Name of facility: Seabrook Unit 1
2. Scheduled date for next refueling shutdown: 07/27/91
3. Scheduled date for restart following refueling: 10/02/91
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

Unknown at this time.

5. Scheduled date(s) for submitting licensing action and supporting information:  
Not Applicable

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:

None

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:

(a) In Core: 193 (b) 0

9. 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 sixteen refuelings and full core offload capability.

The current licensed capacity is adequate until at least the year 2010.