

**NORTHEAST UTILITIES**



THE CONNECTICUT LIGHT AND POWER COMPANY  
WESTERN MASSACHUSETTS ELECTRIC COMPANY  
HOYOKE WATER POWER COMPANY  
NORTHEAST UTILITIES SERVICE COMPANY  
NORTHEAST NUCLEAR ENERGY COMPANY

General Offices • Selden Street, Berlin, Connecticut

P.O. BOX 270  
HARTFORD, CONNECTICUT 06141-0270  
(203) 665-5000

December 7, 1990  
MP-90-1277

Re: 10CFR50.71(a)

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

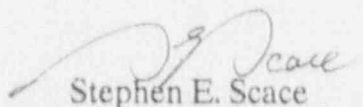
Reference: Facility Operating License No. NPF-49  
Docket No. 50-423

Dear Sir:

In accordance with reporting requirements of technical specifications Section 6.9.1.5, the Millstone Nuclear Power Station - Unit 3 Monthly Operating Report 90-12 covering operation for the month of November is hereby forwarded.

Very truly yours,

NORTHEAST NUCLEAR ENERGY  
COMPANY

  
Stephen E. Scace  
Director, Millstone Station

Attachment

cc: T.T. Martin, Region I Administrator  
W.J. Raymond, Senior Resident Inspector, Millstone Unit Nos. 1,2 & 3  
D.H. Jaffe, NRC Project Manager, Millstone Unit No. 3

9012110096 901130  
PDR ADOCK 05000423  
R PIC

IE24  
11

\*\*\*\*\* NRC OPERATING STATUS REPORT COMPLETED BY REACTOR ENGINEERING \*\*\*\*\*

1. DOCKET.....50-423 OPERATING STATUS
2. REPORTING PERIOD...NOVEMBER 1990 OUTAGE + ONLINE HOURS... 0.0 + 720.0 = 720.0
3. UTILITY CONTACT.....A. L. ELMS 203-644-5388
4. LICENSED THERMAL POWER..... 3411 \* MILLSTONE \*
5. NAMEPLATE RATING (GROSS MWE)..... 1,253 MW \* UNIT 3 \*
6. DESIGN ELECTRICAL RATING (NET MWE)..... 1,153.6 \*\*\*\*\*
7. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)..... 1,184.2
8. MAXIMUM DEPENDABLE CAPACITY (NET MWE)..... 1,137.0
9. IF CHANGES OCCUR ABOVE SINCE LAST REPORT, REASONS ARE.....  
N/A
10. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE).....N/A
11. REASON FOR RESTRICTION, IF ANY....N/A

	MONTH	YEAR TO DATE	CUMULATIVE TO DATE
	*****	*****	*****
12. HOURS IN REPORTING PERIOD	720.0	8,016.0	40,392.0
13. NUMBER OF HOURS THE REACTOR WAS CRITICAL	720.0	7,172.6	32,848.5
14. REACTOR RESERVE SHUTDOWN HOURS	0.0	797.6	1,521.5
15. HOURS GENERATOR ONLINE	720.0	7,063.9	32,228.9
16. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
17. GROSS THERMAL ENERGY GENERATED (MWH)	2,450,749.0	22,743,048.0	106018457.4
18. GROSS ELECTRICAL ENERGY GENERATED (MWH)	844,356.0	7,792,072.5	36,474,712.5
19. NET ELECTRICAL ENERGY GENERATED (MWH)	810,265.0	7,418,653.7	34,774,022.4
20. UNIT SERVICE FACTOR	100.0	88.1	79.8
21. UNIT AVAILABILITY FACTOR	100.0	88.1	75.8
22. UNIT CAPACITY FACTOR (USING MDC NET)	99.0	81.4	75.5
23. UNIT CAPACITY FACTOR (USING DER NET)	97.6	80.2	74.6
24. UNIT FORCED OUTAGE RATE	0.0	11.7	10.0
25. UNIT FORCED OUTAGE HOURS	0.0	933.6	3,571.1

SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH).....  
Refuel Outage - February 1 1991 (subject to COMVEK approval) - 56 days

IF CURRENTLY SHUTDOWN, ESTIMATED STARTUP DATE.....N/A

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-423  
 UNIT MILLSTONE UNIT 3  
 DATE December 4, 1990  
 COMPLETED BY A. L. ELMS 203-444-5388

MONTH November 1990

DAY	AVERAGE DAILY POWER LEVEL (MWE - NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE - NET)
1	<u>1124</u>	16	<u>1128</u>
2	<u>1126</u>	17	<u>1127</u>
3	<u>1127</u>	18	<u>1131</u>
4	<u>1127</u>	19	<u>1129</u>
5	<u>1125</u>	20	<u>1126</u>
6	<u>1119</u>	21	<u>1124</u>
7	<u>1119</u>	22	<u>1131</u>
8	<u>1120</u>	23	<u>1127</u>
9	<u>1127</u>	24	<u>1133</u>
10	<u>1076</u>	25	<u>1131</u>
11	<u>1115</u>	26	<u>1130</u>
12	<u>1129</u>	27	<u>1132</u>
13	<u>1129</u>	28	<u>1131</u>
14	<u>1129</u>	29	<u>1132</u>
15	<u>1126</u>	30	<u>1131</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-423  
 UNIT NAME MILLSTONE 3  
 DATE 12-4-90  
 COMPLETED BY A. ELMS  
 TELEPHONE (203) 444-5388

No.	Date	Type (1)	Dura- tion Hours	Reason (2)	Method of Shut down Reactor(3)	Licensee Event Rept No.	System Code	Component Code	Cause and Corrective Action to Prevent Prevent Recurrence
NONE									

1: F: Forced  
 S: Scheduled

2: Reasons:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Exam  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other

3: Method  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Continued from  
 previous month  
 5-Power Reduction  
 (Duration = 0)  
 9-Other (Explain)

4: Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File  
 (NUREG-0161)

5: Exhibit 1 - Same Source

## REFUELING INFORMATION REQUEST

November 1990

1. Name of facility: Millstone 3.
2. Scheduled date for next refueling shutdown: February 1, 1991.
3. Scheduled date for restart following refueling: March 29, 1991
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendments?

As a result of the new fuel design, Technical Specifications changes to the Axial Flux Difference, Heat Flux Hot Channel Factor, and Refueling Water Storage Tank sections will be required. Furthermore, the Fuel Storage section of Design Features will be changed to allow continued regionalized storage of spent fuel in the spent fuel pool. Also, the Instrumentation section will be changed to reflect a new High Flux at Shutdown setpoint.

5. Scheduled date for submitting licensing action and supporting information.

All Technical Specification changes submitted.

6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design of performance analysis methods, significant changes in fuel design, new operating procedures:

Cycle 4 fuel assemblies will be of the Westinghouse Vantage 5H design. This design includes debris filter bottom nozzles, intermediate flow mixing grids, integral fuel rod burnable absorbers, and axial blankets.

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

(a): 193      (b): 160

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 size - 756.  
No increase requested.

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:

End of cycle 5.