

**Northeast
Utilities System**

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October 16, 1996

Docket No. 50-423
B15947

Re: 10CFR 50.36

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Millstone Nuclear Power Station Unit 3
Steam Generator Tube Plugging

This special report is being submitted pursuant to the requirements of Plant Technical Specifications 4.4.5.5.a and 6.9.2. Plant Technical Specification 4.4.5.5.a requires that a special report be submitted to the Commission within 15 days of completion of an in-service inspection of the steam generator tubes. This is done to document the number of tubes plugged in each steam generator. Plant Technical Specification 6.9.2 addresses the issuance of the special report.

An eddy current inspection was conducted during the mid-cycle six (6) plant shutdown. This exam was completed on October 1, 1996. All inservice tubes in one steam generator (5622 tubes, or 25% (percent) of the total number of tubes in all steam generators) were inspected as identified on Table 1 (attached). The inspection was performed on steam generator "C". The eddy current testing identified flaws greater than or equal to the plugging limit in two (2) tubes. Technical Specifications define the plugging limit as an imperfection depth greater than or equal to 40 percent of the nominal wall thickness. Both plugged tubes exhibited degradation attributed to anti-vibration bar wear. These tubes are identified on Table 2. They were removed from service on October 3, 1996 using Framatome Technologies Inconel 690 mechanical plugs.

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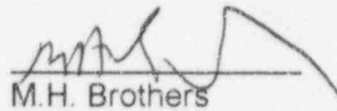
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The complete results of the steam generator tube inspection will be submitted within twelve (12) months in accordance with Plant Technical Specification 4.4.5.5.b.

If you need additional information, please contact Mr. J.M.Peschel at (860) 437-5840.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY



M.H. Brothers
Director - Millstone Unit No. 3

Attachment

cc: H. J. Miller, Region I Administrator
A. C. Cerne, Senior Resident Inspector, Millstone Unit No. 3
V. L. Rooney, NRC Project Manager, Millstone Unit No. 3

TABLE 1
MILLSTONE 3 S/G 'C' ECT SUMMARY

Number of Tubes	5626
Number of Tubes Inspected	5622
Tubes with maximum flaw $\geq 40\%$	2
Tubes with flaws $\geq 20\%$ but $< 40\%$	12
Tubes plugged as a result of this inspection	2

TABLE 2
LOCATION OF TUBES PLUGGED - MID CYCLE 6 OUTAGE

<u>Row</u>	<u>Column</u>
36	61
40	48

Note: All tubes plugged on S/G 'C'.

TABLE 3
TOTAL TUBES PLUGGED TO DATE

	<u>S/G A</u>	<u>S/G B</u>	<u>S/G C</u>	<u>S/G D</u>	<u>TOTAL</u>
Fabrication	1	2	2	0	5
Preservice	2	1	1	1	5
RFO1	1	0	0	1	2
RFO2	4	*	0	*	4
RFO3	*	0	*	5	5
RFO4	6	*	1	*	7
RFO5	*	1	*	10	11
Mid cycle 6	*	*	2	*	2
TOTAL	14	4	6	17	41

Note: "*" designates ECT not performed on S/G during a given outage.