

DUKE POWER COMPANY

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May 5, 1983

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Ms. E. G. Adensam, Chief
Licensing Branch No. 4

Re: McGuire Nuclear Station
Docket Nos. 50-369, 50-370

Dear Mr. Denton:

Attached is revised information regarding the McGuire steam generator inspection program following installation of the preheater modification. The attached page replaces page 2 of the attachment to my April 28, 1983 letter on this same subject. Please advise if there are further questions regarding this matter.

Very truly yours,

Hal B. Tucker

Hal B. Tucker

GAC/php
Attachment

cc: Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Mr. W. T. Orders
NRC Resident Inspector
McGuire Nuclear Station

B021

to the NRC for information.

Long term potential of the manifold to reduce tube wear will be verified from ECT measurements taken at the first refueling outage and ECT measurements from subsequent outages. No acceptance criteria related to tube vibration have been established; however, as a general criterion, overall tube response should be within that of an unmodified steam generator at 50% power.

This program is applicable to Unit 1 only.

Eddy Current Testing

The ECT program described in the February 3, 1983 submittal will be followed with a few additional clarifications. The table below summarizes the ECT program for the preheater region.

	<u>All S/Gs, Post- Installation</u>	<u>First¹ Examination</u>	<u>Second³ Examination</u>	<u>Subsequent³ Examinations</u>
Row 49	X	X	X	X
Row 48	X	X	X	-
Row 47	X	X	-	-
Row 46	X	X	-	-
Row 45	X	X	-	-
Peripheral Tubes	X	X	-	-
Tubes w/indications from previous testing ²	-	-	X	X

¹ First S/G inservice examination following installation of modification to include all steam generators.

² Applicable only if tubes are located in other than row 49 or row 48 (second examination) or row 49 (subsequent examinations).

³ To include at least two steam generators. Additional inspections will be performed as necessary so that degradation rate can be established.

The above program is supplemental to that required by Technical Specifications and will be applied to both Units 1 and 2 steam generators.

The minimum number of steam generators which are examined during each inspection period will be determined by Technical Specification requirements.

Visual Inspection

Duke Power Company will conduct the visual inspection of the modification using remote inspection techniques in accordance with ASME Boiler and Pressure Vessel Code, Section XI, IWA-2211, Visual Examination, VT-1. This examination will be conducted on all steam generators following installation of the modification and again during the first examination performed inservice.

In subsequent outages during which the Technical Specification required ECT is performed, visual examination of one steam generator modification will be performed using the same criteria, Section XI, IWA-2211. This would mean that each steam generator modification would be visually examined at least every four years. Visual inspection at this frequency balances the positive