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SUBJECT: Responds to NRC questions on eddy current insp program re steam generator evaluation.

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May 18, 1982

Director of Nuclear Reactor Regulation
Attention: Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch No. 5
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Eddy Current Inspection Program
Steam Generator Evaluation
R. E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Crutchfield:

This letter is in response to questions from members of the NRC Staff.

Question 1 - Provide a full breakdown of eddy current examination sampling.

Answer 1 - "A" Steam Generator Examination Program
The eddy current inspection included:

a) 99.96% of inlet tubes to the first support plate,
b) 111 inlet tubes over the U bends,
c) 415 outlet tubes to the first support plate,
d) 111 outlet tubes to the sixth support plate. (These are the same tubes identified in item b above.)

- "B" Steam Generator Examination Program
The eddy current inspection included:

a) 99.96% of inlet tubes to the first support plate,
b) 251 inlet tubes over the U-bends,
c) 415 outlet tubes to the first support plate,
d) 111 outlet tubes to the sixth support plate. (These tubes were included in the number of tubes inspected in item b above.)

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ROCHESTER GAS AND ELECTRIC CORP. SHEET NO. 2
DATE May 18, 1982
TO Mr. Dennis M Crutchfield

Question 2 - Confirm that all tubes within two rows of the periphery on the cold leg side of both steam generators were examined.

Answer 2 - Two rows of tubes were examined around the periphery of both steam generator's outlet (cold leg).

Question 3 - Were periphery tubes examined for their full length or partial length?

Answer 3 - All periphery tubes were examined to the first support plate. Additionally, all periphery tubes in the "B" Steam Generator inlet were re-examined after repairs to the sixth support plate, with 140 of these tubes being examined over the U-bends.

Question 4 - What was the axial length of the indications found in tube R32 C15 at the time of plugging? Was the examination absolute or differential?

Answer 4 - In April 1976, utilizing a differential eddy current technique, R32 C15 had a dent signal at the first support plate, a localized ID signal 3.5 inches above the top of the tube sheet and a distorted tube sheet entry signal (much less than 20% O.D. signal). In April 1980, utilizing differential and absolute techniques, R32 C16 had a localized 36% outside diameter signal approximately one inch above the top of the tube sheet

Very truly yours,

John E. Maier

John E. Maier