

September 5, 1995

Mr. W. R. Robinson, Vice President  
Shearon Harris Nuclear Power Plant  
Carolina Power & Light Company  
Post Office Box 165 - Mail Code: Zone 1  
New Hill, North Carolina 27562-0165

SUBJECT: GENERIC LETTER 95-03, "CIRCUMFERENTIAL CRACKING OF STEAM GENERATOR TUBES" - SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 (TAC NO. M92246)

Dear Mr. Robinson:

On April 28, 1995, the U.S. Nuclear Regulatory Commission issued Generic Letter (GL) 95-03 "Circumferential Cracking of Steam Generator Tubes" which requested addressees to evaluate recent operating experience related to circumferential cracking, justify continued operation until the next scheduled steam generator tube inspections, and to develop plans for the next steam generator tube inspections. The staff has reviewed the response dated June 27, 1995, provided by the Carolina Power & Light Company for the Shearon Harris Nuclear Power Plant, Unit 1. As a result of the review of your response, the staff has identified areas for which additional information and/or clarification is needed. The enclosure to this letter contains the information needed for the staff to complete its review of your response to GL 95-03. Please provide the requested response within 30 days of receipt of this letter.

This request is within the original reporting burden for information collection of 350 hours covered by the Office of Management and Budget clearance number 3150-0011 which expires July 31, 1997.

Sincerely,

(Original Signed By)

Ngoc B. Le, Project Manager  
Project Directorate II-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure: As stated

cc: w/enclosure: See next page

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

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Shearon Harris Nuclear Power Plant  
Carolina Power & Light Company  
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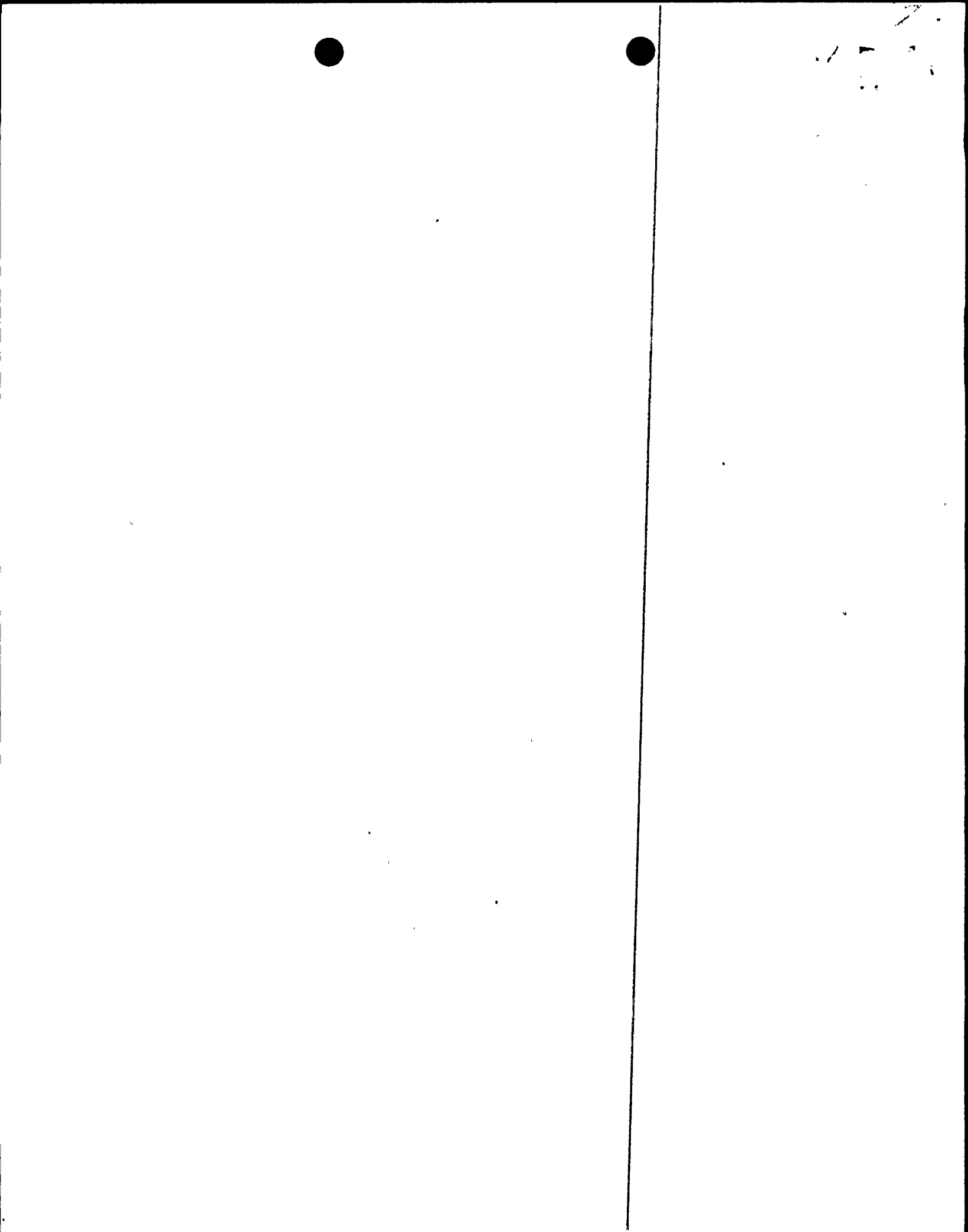
A handwritten signature in cursive script, appearing to read "Ngoc B. Le".

Ngoc B. Le, Project Manager  
Project Directorate II-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure: As stated

cc: w/enclosure: See next page



Mr. W. R. Robinson  
Carolina Power & Light Company

cc:

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Shearon Harris Nuclear Power Plant  
Unit 1

Mr. J. W. Donahue  
Plant Manager - Harris Plant  
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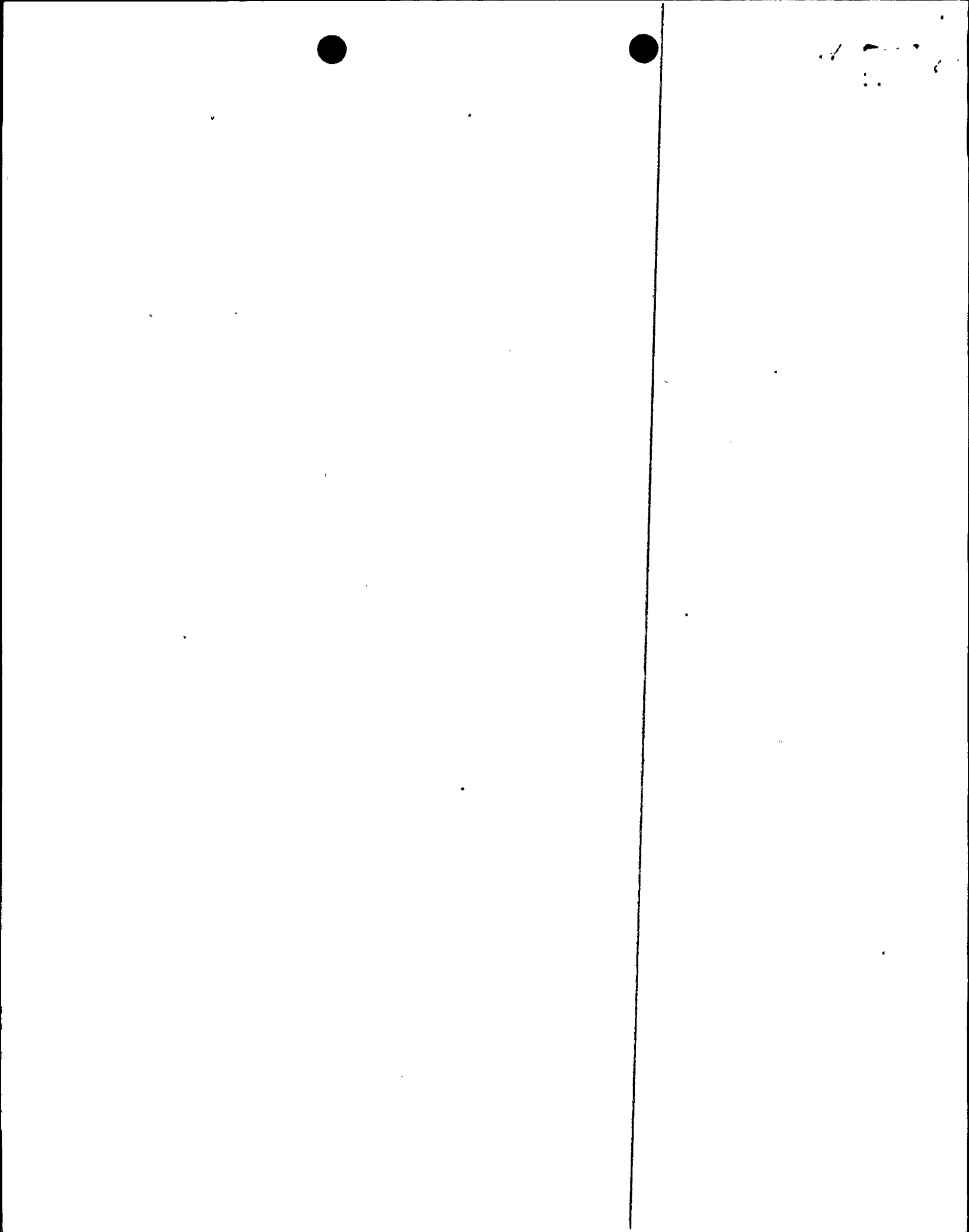
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Mr. Henry Dunlap, Chairman  
Board of County Commissioners  
of Chatham County  
P. O. Box 111  
Pittsboro, North Carolina 27312



ENCLOSURE

Harris: REQUEST FOR ADDITIONAL INFORMATION

RE:       GENERIC LETTER 95-03, "CIRCUMFERENTIAL CRACKING OF STEAM GENERATOR TUBES" - SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 (TAC NO. M92246)

1.    In your response, you indicated that sample expansion will be based on the Electric Power Research Institute PWR Steam Generator Examination Guidelines or the technical specifications, whichever is more conservative. Please clarify the expansion criteria for all locations susceptible to circumferential cracking.
2.    It was indicated that dents greater than 5.0 volts will be inspected with a probe qualified for circumferential crack detection. Please provide the procedures used for sizing the dents. If a dent voltage threshold is used (e.g., 5.0 volts) for determining the size of the dents, provide the calibration procedure used. If the procedure is identical to the procedure for the voltage-based repair criteria, a detailed description is not necessary.
3.    Several plants with preheater model steam generators expanded tubes into the tube support plate in the preheater region to minimize the potential for vibration-induced wear. Since these expansions contain similarities to other expanded regions which have experienced circumferential cracking, please discuss whether or not this area is susceptible to circumferential cracking. If this area is susceptible to circumferential cracking, please submit the information requested in Generic Letter (GL) 95-03 per the guidance contained in the GL.

