

September 8, 1995

Mr. William T. Cottle
Group Vice-President, Nuclear
Houston Lighting & Power Company
South Texas Project Electric
Generating Station
P. O. Box 289
Wadsworth, TX 77483

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) REGARDING GENERIC LETTER
95-03, "CIRCUMFERENTIAL CRACKING OF STEAM GENERATOR TUBES," SOUTH
TEXAS PROJECT (STP), UNITS 1 & 2 (TAC NOS. M92276 AND M92277)

Dear Mr. Cottle:

On April 28, 1995, the NRC 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 provided by Houston Lighting and Power Company for
STP. 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 your response within 30 days from 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:

Thomas W. Alexion, Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

Enclosure: RAI

cc w/encl: See next page

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| OFC | (A)LA/PD4-1 | PH/PD4-1 |
| NAME | TCIark <i>SLC</i> | TAlexion <i>SW</i> |
| DATE | 9/18/95 | 9/10/95 |
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Group Vice-President, Nuclear
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Sincerely,

Original Signed By:

Thomas W. Alexion, Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

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| OFC | (A)LA/PD4-1 | PM/PD4-1 |
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

September 8, 1995

Mr. William T. Cottle
Group Vice-President, Nuclear
Houston Lighting & Power Company
South Texas Project Electric
Generating Station
P. O. Box 289
Wadsworth, TX 77483

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) REGARDING GENERIC LETTER 95-03, "CIRCUMFERENTIAL CRACKING OF STEAM GENERATOR TUBES," SOUTH TEXAS PROJECT (STP), UNITS 1 & 2 (TAC NOS. M92276 AND M92277)

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Please provide your response within 30 days from 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,

A handwritten signature in cursive script that reads "Thomas W. Alexion".

Thomas W. Alexion, Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

Enclosure: RAI

cc w/encl: See next page

Mr. William T. Cottle
Houston Lighting & Power Company

South Texas, Units 1 & 2

cc:

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Houston Lighting and Power Company
P. O. Box 289
Wadsworth, TX 77483

REQUEST FOR ADDITION INFORMATION

GENERIC LETTER (GL) 95-03

SOUTH TEXAS PROJECT, UNITS 1 AND 2

1. It was reported that the bend radii of the inner row U-bend tubes are greater than those from other Westinghouse steam generators; however, no conclusions on the susceptibility of this region to circumferential cracking were provided. If this area is susceptible to circumferential cracking, submit the information requested in GL 95-03 per the guidance contained in the GL for this area (and any other area susceptible to circumferential cracking).
2. In your response you indicated that no appreciable denting has been observed in either unit. Does this imply that the dents are of such limited size that circumferential cracking could not occur at these locations? 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. If circumferential cracking could occur at these dented locations, submit the information requested in GL 95-03 per the guidance contained in the GL for this area.
3. Several plants with preheater model steam generators have tubes expanded 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, 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 GL 95-03 per the guidance contained in the GL.

Enclosure