

**James, Lois**

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**From:** James, Lois  
**Sent:** Thursday, December 08, 2016 12:15 PM  
**To:** 'gtpowell@STPEGS.COM'  
**Cc:** RidsNrrDlrRarb Resource; RidsNrrDlrRpb1 Resource; RidsNrrDlr Resource; RidsNrrPMSouthTexas Resource; RidsOgcMailCenter Resource; Chazell, Russell; Tran, Tam; Rikhoff, Jeffrey; Min, Seung; Morey, Dennis; McIntyre, David; Regner, Lisa; Taylor, Nick; Money, Shawn; Sanchez, Alfred; Hernandez, Nicholas; Maier, Bill; Dricks, Victor; Pick, Greg; Graves, Samuel; Werner, Greg; 'Aldridge, Arden J'; Gonzales, Rafael; Engen, Rob; Murray, Michael  
**Subject:** REQUESTS FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE SOUTH TEXAS PROJECT, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION (CAC NOS. ME4936 AND ME4937)  
**Attachments:** STP RAI - ISG-2016-01 - enclosure.pdf

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



Mr. G. T. Powell  
Site Vice President  
STP Nuclear Operating Company

**SUBJECT:** REQUESTS FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE SOUTH TEXAS PROJECT, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION (CAC NOS. ME4936 AND, ME4937)

Dear Mr. Powell:

By letter dated October 25, 2010, STP Nuclear Operating Company submitted an application pursuant to 10 CFR Part 54, to renew operating licenses NPF-76 and NPF-80 for South Texas Project, Units 1 and 2, respectfully, for review by the U.S. Nuclear Regulatory Commission (NRC or the staff). The staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete the review.

These requests for additional information were discussed with Rafael Gonzales, and a mutually agreeable date for the response is within 28 days from the date of this letter. If you have any questions, please contact me at (301) 415-3306 or e-mail Lois.James@nrc.gov.

Sincerely,

Lois M. James, Senior Project Manager  
License Renewal Branch RPB1  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket Nos.: 50-498 and 50-499

Enclosure:  
Requests for Additional Information

DISTRIBUTION: See following pages

ADAMS Accession No.: ML16343A042

\*concurring via emails

OFFICE	PM:RPB1:DLR	BC:RARB:DLR	BC:RPB1:DLR	PM: RPB1:DLR
NAME	L James <i>PClark for*</i>	D Morey*	R Chazell <i>LJames for*</i>	L James
DATE	12/8/2016	12/07/2016	12/8/2016	12/8/2016

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SOUTH TEXAS PROJECT  
LICENSE RENEWAL APPLICATION (LRA)  
REQUEST FOR ADDITIONAL INFORMATION (RAI)

**RAI B2.1.8-3**

Background:

The staff issued License Renewal Interim Staff Guidance (LR-ISG) 2016-01, "Changes to Aging Management Guidance for Various Steam Generator Components" (ADAMS Accession No. ML16237A383). LR ISG 2016 01 provides the following guidance for aging management:

- Visual inspections on steam generator head internal areas (head interior surfaces, divider plate assemblies, tubesheets (primary side) and tube-to-tubesheet welds) in order to identify signs of cracking or loss of material (e.g., rust stains and distortion of divider plates).
- Frequency of the visual inspections: at least every 72 effective full power months or every third refueling outage whichever results in more frequent inspections
- Implementation of the latest EPRI steam generator guidelines such as (a) EPRI Report 1022832 (primary-to-secondary leak guidelines); (b) EPRI Report 1025132 (in-situ pressure test guidelines); (c) EPRI Report 3002007571 (integrity assessment guidelines); and (d) EPRI Report 3002007572 (examination guidelines)

Issue:

The staff found a need to confirm whether the applicant's Steam Generator Tube Integrity Program is consistent with the guidance discussed above.

Request:

Clarify whether the Steam Generator Tube Integrity Program is consistent with the guidance discussed above (i.e., conduct of visual inspections, visual inspection frequency, and implementation or plans for implementation of the latest EPRI steam generator guidelines by the implementation dates provided by the industry). If not, provide justification of why the applicant's Steam Generator Tube Integrity Program is adequate for aging management. In addition, provide updated UFSAR supplement for this program as necessary.

ENCLOSURE