



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

October 14, 2016

Mr. G. T. Powell  
Site Vice President  
South Texas Project, Units One and Two  
STP Nuclear Operating Company  
P.O. Box 289  
Wadsworth, TX 77483

SUBJECT: SAFETY EVALUATION REPORT WITH OPEN ITEMS RELATED TO THE  
LICENSE RENEWAL OF SOUTH TEXAS PROJECT, UNITS 1 AND 2  
(TAC NO. ME4936 AND ME4937)

Dear Mr. Powell:

By letter dated October 28, 2010, South Texas Project Nuclear Operating Company (STPNOC or the applicant) submitted a license renewal application (LRA) pursuant to Title 10 of the *Code of Federal Regulations* Part 54, to renew operating licenses NPF-76 and NPF-80 for South Texas Project (STP), Units 1 and 2, for review by the U.S. Nuclear Regulatory Commission (NRC or the staff). The staff determined that the LRA was complete and acceptable for docketing on January 13, 2011.

The staff has reviewed the STP LRA and has developed the enclosed "Safety Evaluation Report with Open Items" (ADAMS Accession No. ML16271A031 for Volume 1 and ML16271A036 for Volume 2), hereinafter referred to as the Safety Evaluation Report (SER). This SER reflects the status of the staff's review of the LRA to date, requests for additional information (RAIs), and the applicant's responses to the staff's RAIs and other questions related to the LRA through June 1, 2016, unless otherwise noted, and identifies one open item in the review.

In its review, the staff has identified one open item that must be resolved before it can make a final determination on the application. The open item pertains to the Selective Leaching of Aluminum Bronze program, is summarized in SER Section 1, and is discussed in detail in SER Section 3.0.3.3.3. The staff's complete review and resolution of the open item will be documented in the final SER.

In accordance with the schedule for completing the review of STP's LRA, the applicant is requested to review the enclosed SER, verify the accuracy applicant information referenced in the SER, and provide technical and editorial comments regarding the SER to the staff within 30 days from the date of this letter. The next milestone for this project is the Advisory Committee on Reactor Safeguards Subcommittee meeting on November 17, 2016.

G. Powell

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If you have any questions regarding this matter, please contact the license renewal project manager, Ms. Lois James, at 301-415-3306 or by e-mail at [Lois.James@nrc.gov](mailto:Lois.James@nrc.gov)

Sincerely,

**/RA/**

Jane E. Marshall, Acting Director  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 & 50-499

Enclosure:  
As stated

cc w/encl: Listserv

G. Powell

- 2 -

If you have any questions regarding this matter, please contact the license renewal project manager, Ms. Lois James, at 301-415-3306 or by e-mail at [Lois.James@nrc.gov](mailto:Lois.James@nrc.gov)

Sincerely,

**/RA/**

Jane E. Marshall, Acting Director  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 & 50-499

Enclosure:  
As stated

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**ADAMS Accession Nos.:** ML16271A011 (Package), ML16271A009 (Letter), ML16271A031 (SER w/ OI Volume 1), ML16271A036 (SER w/ OI Volume 2) \*concurrence via e-mail

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DATE	10/14/2016				

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Letter to G. Powell from Lois M. James dated October 14, 2016

SUBJECT: SAFETY EVALUATION REPORT WITH OPEN ITEMS RELATED TO THE  
LICENSE RENEWAL OF SOUTH TEXAS PROJECT, UNITS 1 AND 2 (TAC  
NO. ME4936 AND ME4937)

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