



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

April 22, 2016

Mr. G. T. Powell
Site Vice President
STP Nuclear Operating Company
P.O. Box 289
Wadsworth, TX 77483

SUBJECT: REQUESTS FOR ADDITIONAL INFORMATION SET 35 FOR THE REVIEW OF
THE SOUTH TEXAS PROJECT LICENSE RENEWAL APPLICATION (TAC
NOS. ME4936 AND ME4937)

Dear Mr. Powell:

By letter dated October 25, 2010, STP Nuclear Operating Company submitted an application pursuant to Title 10 of the *Code of Federal Regulation* (CFR) Part 54, to renew the operating license, NPF-76, for South Texas Project, 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 Arden Aldridge and Rafael Gonzales, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me at (301) 415-3306 or by e-mail at Lois.James@nrc.gov.

Sincerely,

/RA/

Lois M. James, Sr. Project Manager
Project Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 & 50-499

Enclosure:
Requests for Additional Information

cc w/encl: Listserv

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SOUTH TEXAS PROJECT
LICENSE RENEWAL APPLICATION
REQUESTS FOR ADDITIONAL INFORMATION

RAI 3.0.3-1c

Background:

By letter dated October 22, 2014, license renewal application (LRA) Table 3.3.2-19, "Auxiliary Systems – Summary of Aging Management Evaluation – Chemical and Volume Control System," states that fiberglass insulation exposed to plant indoor air (external) has no aging effect requiring management (AERM) and no aging management program (AMP). In addition, the line item cites a plant specific note 5, but there is no description of the note. By letter dated June 3, 2014, the same line item entry in LRA Table 3.3.2-19 states that the AERM is reduced thermal insulation resistance due to moisture intrusion and the AMP is the External Surface Monitoring Program.

Issue:

LR-ISG-2012-02, "Aging Management of Internal Surfaces, Fire Water Systems, Atmospheric Storage Tanks, and Corrosion Under Insulation," Table 3.3-1, item 3.3.1-64 recommends that reduced thermal insulation resistance due to moisture intrusion for jacketed fiberglass insulation be managed by Chapter XI.M36, "External Surfaces Monitoring of Mechanical Components." No basis was provided for not being consistent with line item 3.3.1-64. In addition, the description of the plant-specific note 5 is not clear to the staff.

Request:

1. State the basis for not citing reduced thermal insulation resistance due to moisture intrusion for jacketed fiberglass insulation.
2. Provide a description of the plant-specific note 5 listed in Table 3.3.2-19.

RAI B2.1.18-6

Background:

On February 4, 2016, the staff issued the final version of LR-ISG-2015-01, "Changes to Buried and Underground Piping and Tank Recommendations." The ISG replaces aging management program (AMP) XI.M41, "Buried and Underground Piping and Tanks," and the associated Updated Final Safety Analysis Report (UFSAR) Summary Description issued in LR-ISG-2011-03, "Changes to the Generic Aging Lessons Learned (GALL) Report, Revision 2, Aging Management Program (AMP) XI.M41, 'Buried and Underground Piping and Tanks'." As amended by letter dated June 26, 2014, LRA Section B2.1.18, "Buried Piping and Tanks Inspection Program," and LRA Section A1.18 (associated UFSAR Summary Description) were

ENCLOSURE

revised to address the changes to AMP XI.M41 and the UFSAR Summary Description in LR-ISG-2011-03.

Issue:

The existing Buried Piping and Tanks Inspection Program and associated UFSAR Summary Description have not been evaluated against the changes to AMP XI.M41 and the UFSAR Summary Description issued in LR-ISG-2015-01.

Request:

Compare the existing Buried Piping and Tanks Inspection Program to AMP XI.M41 and the associated UFSAR Summary Description issued in LR-ISG-2015-01. State any changes to LRA Sections B2.1.18 and Section A1.18 necessary to be consistent with LR-ISG-2015-01. As necessary, state and justify exception(s) to recommendations that will not be incorporated into the existing Buried Piping and Tanks Inspection Program.

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ajaldrige@STPEGS.COM, STP

rjgonzales@STPEGS.COM, STP