Nuclear Operating Company

South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483

June 7, 2012
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File: G25

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

South Texas Project
Units 1 and 2
Docket Nos. STN 50-498, STN 50-499
Supplemental Response to Requests for Additional Information for the
South Texas Project License Renewal Application (TAC Nos. ME4936 and ME4937)

References:
1. STPNOC letter dated October 25, 2010, from G. T. Powell to NRC Document Control Desk, "License Renewal Application" (NOC-AE-10002607) (ML103010257)
2. STPNOC letter dated January 18, 2012 from D. W. Rencurrel to NRC Document Control Desk, "Response to Requests for Additional Information for the South Texas Project License Renewal Application Aging Management Program, Set 10 (TAC Nos. ME4936 and ME4937)" (NOC-AE-12002779) (ML12020A072)
3. STPNOC letter dated February 27, 2012 from D. W. Rencurrel to NRC Document Control Desk, "Response to Requests for Additional Information for the South Texas Project License Renewal Application Aging Management Program, Set 12 (TAC Nos. ME4936 and ME4937)" (NOC-AE-12002797) (ML12069A024)

By Reference 1, STP Nuclear Operating Company (STPNOC) submitted a License Renewal Application (LRA) for South Texas Project (STP) Units 1 and 2. By Reference 2, STPNOC provided a response to Request for Additional Information (RAI) 3.3.1.88-2. By Reference 3, STPNOC provided a response to RAI 3.0-1a. This letter supplements the response to the RAIs with revision to Table 3.0-1 of the LRA. Changes to LRA are depicted as line-in/line-out pages provided in the enclosure to this letter.

There are no regulatory commitments provided in this letter.

Should you have any questions regarding this letter, please contact either Arden Aldridge, STP License Renewal Project Lead, at (361) 972-8243 or Ken Taplett, STP License Renewal Project regulatory point-of-contact, at (361) 972-8416.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on June 7, 2012
Date

D. W. Rencurrel
Chief Nuclear Officer

KJT
Enclosure: STPNOC LRA Changes with Line-in/Line-out Annotations

A147
NRR

cc:
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STPNOC LRA Changes with Line-in/Line-out Annotations

List of Revised LRA Sections

RAI	Affected LRA Section
3.3.1.88-2	Table 3.0-1
3.0-1a	Table 3.0-1

RAI 3.3.1.88-2 Supplemental Information

Table 3.0-1 Mechanical Environments

Mechanical Environments		
Evaluated Environment	**NUREG-1801 Environment**	**Description**
Borated Water Leakage	Air With Reactor Coolant Leakage.	~~The borated water leakage environment applies in plant indoor and outdoor areas that include components and systems that contain borated water and that could leak on nearby components or structures~~ The borated water leakage environment applies to plant systems that contain reactor coolant or treated borated water and plant systems that are in the vicinity of reactor coolant or treated borated water systems. Borated water can potentially leak onto the external surfaces of the system piping, components, or insulation that contain the borated water and can potentially leak onto nearby system components, structures, or insulation in the vicinity of the borated water system.
	Air With Borated Water Leakage.	
	Air With Reactor Coolant Leakage (Internal) (RPV Leak Detection Line IV.A2-5)	
	Air With Metal Temperature up to 288° C (550° F) [Pressurizer Integral Support - IV.C2-16]	
	System Temperature up to 340° C (644° F) [Steam Generator Closure Bolting and TLAA]	

RAI 3.0-1a Supplemental Information

Table 3.0-1 Mechanical Environments (Continued)

Mechanical Environments		
Evaluated Environment	**NUREG-1801 Environment**	**Description**
Lubricating Oil	Lubricating Oil	Lubricating oils, including hydraulic oils, are low-to-medium viscosity hydrocarbons, with the possibility of containing contaminants and/or moisture, used for bearing, gear, and engine lubrication and in valve actuators. Lubricating oil and hydraulic oils are monitored for the possibility of water by the Lubricating Oil Analysis program.
Plant Indoor Air (When used as Internal)	Condensation (Internal) Air [Glass Piping Elements VII.J-7 and VIII.I-4] Moist Air or Condensation [Diesel Piping Components VII.H2-21]	~~Indoor air or non-dried compressed gas with temperatures higher than the dew point. Condensation can occur, but only rarely; equipment surfaces are normally dry. Plant indoor air (internal) or non-dried compressed gas is evaluated with the NUREG-1801 environment of condensation when the air contains significant amounts of moisture (enough to cause loss of material) and the internal surface has temperatures below the dew point. Plant Indoor Air is evaluated with the NUREG-1801 environment of condensation when used for the drains associated with the internal surfaces exposed to condensation. Plant indoor air environments evaluated with condensation or moist air are considered to be potentially aggressive when surface contaminants are present.~~ Plant Indoor Air (Internal) is air with temperatures at or below the dew point. Condensation is assumed to occur and the environment is potentially aggressive. Plant Indoor Air (Internal) includes non-dried compressed air and gases. Plant Indoor Air (Internal) is used for the internal surfaces of drain lines.

Table 3.0-1 Mechanical Environments (Continued)

Mechanical Environments		
Evaluated Environment	**NUREG-1801 Environment**	**Description**
Plant Indoor Air (When used as External)	Air – Indoor Uncontrolled (External)	~~Indoor air with temperatures higher than the dew point. Condensation can occur, but only rarely; equipment surfaces are normally dry. Plant indoor air is evaluated with the NUREG-1801 environment of condensation when the air contains significant amounts of moisture (enough to cause loss of material) and the external surface has temperatures below the dew point. Plant indoor air is evaluated with the NUREG-1801 environment of condensation when used for the drains associated with the external surfaces exposed to condensation. Plant indoor air environments evaluated with condensation or moist air are considered to be potentially aggressive when surface contaminants are present.~~ Plant Indoor Air (External) is air with temperatures higher than the dew point. Condensation can occur, but only rarely; component surfaces are normally dry. Condensation is only assumed to occur on external surfaces of plant components in chilled water and air conditioning systems. These plant systems may produce external component surface temperatures at or below the dew point. Plant Indoor Air (External) with condensation is potentially aggressive.
	Air – Indoor Uncontrolled (Internal/External)	
	Air Indoor	
	Air – Indoor Controlled (External) [VII.J-1 and VIII.I-13]	
	Air With Leaking Secondary Side Water and/or Steam [Steam Generator (Once Through) – IV.D2-5]	
	Air With Steam or Water Leakage [Closure Bolting]	
	Condensation (External)	
Potable Water	This Environment is not in NUREG-1801	Water treated for drinking or other personnel uses.