



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

June 20, 2011  
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File No.: G25  
10 CFR 50.55a

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852-2746

South Texas Project  
Units 1 and 2  
Docket Nos. STN-498, STN 50-499  
Categorization of Risk-Informed Piping

To facilitate NRC review of STP Nuclear Operating Company submittals involving risk-based assessments, Table 3.3.1 of the South Texas Project Electric Generating Station (STPEGS) Inservice Inspection Program Plan is attached. This table lists the risk-informed category/item number designations of Class 1 and Class 2 piping. Application of these designators aids in classification of risk-informed piping. The attached table is from Revision 6 of the current program plan which became effective November 17, 2010. Categorization using these criteria was also applied during the second 10-year inspection interval ending September 24, 2010 (Unit 1) and October 18, 2010 (Unit 2). The table is provided for information.

There are no commitments in this letter.

If there are any questions, please contact either Mr. P. L. Walker at (361) 972-8392 or me at (361) 972-7904.

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PLW

Attachment: STPEGS Units 1 and 2 Inservice Inspection Program Plan, Cover Sheet and Table 3.3.1, "Risk Informed Category/Item Number Designations," Revision 6

STI: 32886888

AD47  
NRR

cc:  
(paper copy)

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**INSERVICE INSPECTION PROGRAM PLAN  
  
FOR  
THE SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNITS 1 AND 2**

**Commercial Operation Dates  
Unit 1 – August 25, 1988  
Unit 2 – June 19, 1989**

**STP  
NUCLEAR OPERATING COMPANY**

**Effective Date 11/17/2010**

**STPEGS Units 1 and 2**  
**Inservice Inspection Program Plan**

**Table 3.3.1**  
**Risk Informed Category/Item Number Designations**

Risk Informed Categories					
	R-A-1	Class 1 Risk Informed Piping			
	R-A-2	Class 2 Risk Informed Piping			
Risk Informed Item Numbers					
#	R	#.	##.	#	
1					Class 1
2					Class 2
	R				Risk-Informed
		1.			High Risk
		2.			Medium Risk
		3.			Low Risk
			11.		Thermal Fatigue
			11.	1	Thermal Stratification Cycling and Striping (TASCS)
			11.	2	Thermal Transient (TT)
			11.	3	TASCS-TT
			11.	4	TASCS-TT-PWSCC
			11.	5	TT-IGSCC
			11.	6	TT-PWSCC
			11.	7	TASCS-PWSCC
			12.		High Cycle Mechanical Fatigue
			13.		Erosion-Cavitation
			14.		Crevice Corrosion Cracking
			15.		Primary Water Stress Corrosion Cracking(PWSCC)
			16.		IGSCC/TGSCC ( Intergranular/Transgranular SCC)
			17.		Microbiologically Influenced Corrosion (MIC) or Pitting
			18.		Flow Accelerated Corrosion (FAC)
			19.		External Chloride (ECSCC)
			20.		No Degradation Mechanism

### 3.3.2 Examination Method

The column lists the examination method(s) required by Code Tables IWB-2500-1, IWC-2500-1, IWD-2500-1, IWE-2500-1, IWF-2500-1, and IWL-2500-1 or alternative examination method based on a referenced Relief Request or Code Case.