



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

November 18, 2004  
NOC-AE-04001823

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

South Texas Project  
Units 1 and 2  
Docket Nos. STN 50-498, STN-499  
Addition of Welded Attachments to Piping Systems from which  
Arbitrary Intermediate Breaks were Previously Eliminated

Section 3.6.2.1 of the South Texas Project Safety Evaluation Report, Supplement 3, states:

In addition, during ongoing and future design work, any relocations of, modifications to, or additions of welded attachments to the piping systems in which AIBs are eliminated should be reviewed by the staff to ensure that the enveloping assessments described above still provide adequate protection against pipe breaks resulting from high local stresses due to welded attachments.

As a result of the steam generation replacement plant modifications, there are two locations in each unit where welded attachments were added to piping systems from which arbitrary intermediate breaks (AIBs) were previously eliminated. No welded attachments were relocated or modified. The additional welded attachments are for spring hangers on the rerouted feedwater piping as documented in the following Design Change Notices (DCNs):

Unit 1	DCN 9704761	Unit 2	DCN 0000065
	DCN 9704763		DCN 0000067
	DCN 9800678		DCN 0001956

These DCNs have been submitted separately to the Project Manager.

The changes are within previous enveloping assessments provided to the NRC for feedwater piping welded attachments (References 1 and 2) and conform with the stress criteria for elimination of AIBs given in UFSAR Section 3.6.2.1.1.

A001

If there are any questions regarding these added welded attachments, please contact John Conly at (361) 972-7336 or me at (361) 972-7162.

A handwritten signature in black ink, appearing to be 'S. E. Thomas', with a long horizontal line extending to the right.

S. E. Thomas  
Manager, Design Engineering

**References:**

1. Letter, M. R. Wisenburg to NRC Document Control Desk, "Elimination of Arbitrary Intermediate Breaks," ST-HL-AE-2025, dated April 8, 1987
2. Letter, M. R. Wisenburg to NRC Document Control Desk, "Elimination of Arbitrary Intermediate Breaks," ST-HL-AE-2290, dated July 8, 1987

cc:

(paper copy)

Bruce S. Mallett  
Regional Administrator, Region IV  
U. S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 400  
Arlington, Texas 76011-8064

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One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852

Richard A. Ratliff  
Bureau of Radiation Control  
Texas Department of State Health Services  
1100 West 49th Street  
Austin, TX 78756-3189

Jeffrey Cruz  
U. S. Nuclear Regulatory Commission  
P. O. Box 289, Mail Code: MN116  
Wadsworth, TX 77483

C. M. Canady  
City of Austin  
Electric Utility Department  
721 Barton Springs Road  
Austin, TX 78704

(electronic copy)

A. H. Gutterman, Esquire  
Morgan, Lewis & Bockius LLP

J. J. Nesrsta  
City Public Service

David H. Jaffe  
U. S. Nuclear Regulatory Commission

R. L. Balcom  
Texas Genco, LP

C. A. Johnson  
AEP Texas Central Company

Jon C. Wood  
Cox Smith Matthews

C. Kirksey  
City of Austin

R. K. Temple  
City Public Service