



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

February 22, 2000
NOC-AE-00000481
File No.: G09.16
10CFR50.55a

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

South Texas Project
Unit 1
Docket No. STN 50-498
Addendum to Request for Relief from ASME Boiler and Pressure Vessel Code
Section XI Requirements (Relief Request RR-ENG-33)

Reference: T. J. Jordan, South Texas Project, to NRC Document Control Desk, dated
November 29, 1999 (NOC-AE-000694)

The South Texas Project submits the attached report as an addendum to the correspondence referenced above. The report, "Evaluation of the Refueling Water Storage Tank Bottom Plate Crack," documents the results of a finite element analysis, fracture mechanics analysis, and field inspection of the South Texas Project Unit 1 Refueling Water Storage Tank. The objective of the analysis was to determine the critical crack size calculation under design-basis loading conditions. The report identifies the apparent cause, cracking mechanism, and related observations. The conclusions of the report support the referenced relief request RR-ENG-33.

If there are any questions, please contact either Mr. M. S. Lashley at (361) 972-7523 or me at (361) 972-7902.

T. J. Jordan
Manager,
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PLW

Attachment: Technical Report No. 00115-TR-001, "Evaluation of the Refueling Water Storage Tank Bottom Plate Crack"

A047

cc:

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