



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

March 23, 2011
NOC-AE-11002644
File No.: G25
10 CFR 50.46

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 & 2
Docket Nos. STN 50-498, STN 50-499
10 CFR 50.46 Annual Report of ECCS Model Revisions

Reference: David A. Leazar to NRC Document Control Desk, "10 CFR 50.46 Annual Report of ECCS Model Revisions," dated March 17, 2010 (NOC-AE-10002537) (ML100880110)

Pursuant to 10 CFR 50.46(a)(3)(ii), STP Nuclear Operating Company submits this report to address revisions to the accepted Emergency Core Cooling System evaluation model at South Texas Project (STP) Units 1 and 2.

Westinghouse Technical Bulletin TB-10-5, "Indicated Higher than Actual Average Temperature Rod Control Uncertainties," addresses a safety concern in which positive instrument uncertainty was not used in large and small break Loss of Coolant Accident (LOCA) analyses. Not including positive instrument uncertainty in calculations (i.e., indicated temperature is higher than the actual temperature) is potentially non-conservative for LOCA analyses. However, this discrepancy has a negligible impact on STP for existing large and small break LOCA analysis results. The estimated peak clad temperature impact is 0°F.

STP Unit 1 and Unit 2 large and small break LOCA peak clad temperatures have not changed since submittal of the referenced report.

There are no commitments in this submittal.

If there are any questions, please contact either Mr. Philip L. Walker at (361) 972-8392 or me at (361) 972-7743.

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