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

March 17, 2010

NOC-AE-10002537
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: Letter from D. A. Leazar to NRC Document Control Desk, "10CFR50.46 Annual Report of ECCS Model Revisions," dated October 8, 2008 (NOC-AE-08002353, ML082940031)

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.

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 concerning this report, please contact either Mr. Philip L. Walker at (361) 972-7298 or me at (361) 972-7795.

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PLW

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