



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

May 10, 2017  
NOC-AE-17003468  
10 CFR 50.46 (a)(3)(ii)

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555-0001

South Texas Project  
Unit 1  
Docket No. STN 50-498  
10 CFR 50.46 Thirty-Day Report of Significant ECCS Model Changes

References: Letter from R. Dunn to NRC Document Control Desk, "10 CFR 50.46 Thirty-Day Report of Significant ECCS Model Changes and Annual Report," dated November 22, 2016, NOC-AE-16003422 (ML16336A637)

In accordance with the requirements of 10 CFR 50.46 (a)(3)(ii), STP Nuclear Operating Company (STPNOC) is submitting a 30-day report for a significant change in the South Texas Unit 1 Emergency Core Cooling System (ECCS) Model.

In referenced letter, STP identified for Unit 1 Cycle 20 there was no peak clad temperature (PCT) penalty due to gamma energy deposition model (GEDM) violation, so the 3°F penalty was no longer applicable, and the PCT was reduced from 2120°F down to 2117°F. For Unit 1 Cycle 21, there is no change in PCT penalty, so the PCT remains at 2117°F. Since the absolute value of PCT changes to the Analysis of Record still remains above 50°F, the change from the Analysis of Record is considered significant in accordance with 10 CFR 50.46 (a)(3)(i).

No schedule for reanalysis is proposed since the Unit 1 Cycle 21 PCT remains below the 10 CFR 50.46 (b)(1) limit of 2200°F.

There are no commitments in this letter.

If there are any questions regarding this information please contact Safdar Hafeez at 361-972-8906.

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ADD2  
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cc:

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