



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

September 27, 2007
NOC-AE-07002175
10CFR50, Appendix A

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

South Texas Project
Unit 2
Docket No. STN 50-499
Unit 2 Control Room Inleakage Testing Results (TAC NO. MB9859)

- References:
1. Letter from David W. Rencurrel, STP Nuclear Operating Company, to the NRC Document Control Desk, dated June 6, 2006 (NOC-AE-06002018)
 2. Letter from David W. Rencurrel, STP Nuclear Operating Company, to the NRC Document Control Desk, dated March 22, 2007 (NOC-AE-07002127)

In Reference 1, the STP Nuclear Operating Company (STPNOC) made the following commitment to the Nuclear Regulatory Commission (NRC).

In response to NRC Generic Letter 2003-01, control room envelope inleakage will be determined for South Texas Project Unit 2 using tracer gas methods and the results will be reported to the Nuclear Regulatory Commission.

Testing for control room envelope inleakage in Unit 2 using tracer gas methods was completed on February 14, 2007. The test results were as follows:

Train Combination Tested ¹	Unfiltered Inleakage
Trains A and B	11 +/- 6 scfm ²
Trains A and C	0 +/- 9 scfm
Trains B and C	64 +/- 8 scfm

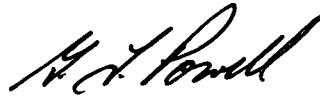
¹ The Control Room Filtration and Cleanup Recirculation System consists of three 50 – per cent capacity trains.

² scfm is standard cubic feet per minute.

The test results are greater than the unfiltered inleakage assumed in the current licensing basis accident analysis. Compensatory measures have been implemented to ensure that regulatory limits for meeting control room dose requirements are not exceeded. As a permanent resolution to this non-conforming condition, STPNOC submitted a license amendment request (Reference 2) to apply the Accident Source Term pursuant to 10 CFR 50.67 to allow for higher unfiltered inleakage.

This letter completes the STPNOC commitment discussed above. There are no new commitments in this letter.

If you have any questions or require additional information, please contact Ken Taplett at (361) 972-8416 or me at (361) 972-7566.



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