

The Light company

Houston Lighting & Power

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

December 06, 1995
ST-HL-AE-5247
File Nos.: G03.11
G03.17
M33.02
10CFR50.46

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

South Texas Project Electric Generating Station
Units 1 & 2
Docket Nos. STN 50-498, STN 50-499
10CFR50.46 Annual Report of ECC System Model Revisions

Reference: Letter ST-HL-AE-4612, dated November 04, 1993; T.H. Cloninger to
USNRC, "10 CFR 50.46 30 Day Report of Significant Changes to the
Accepted Emergency Core Cooling System Model".

Pursuant to 10CFR50.46(a)(3)(ii), the South Texas Project (STP) is submitting this
annual report concerning revisions to the accepted Emergency Core Cooling System (ECCS)
evaluation model at STP Units 1 and 2. During 1995, no changes were made to either the Small
Break Loss of Coolant Accident (SBLOCA) or the Large Break Loss of Coolant Accident
(LBLOCA) evaluation models.

STP continues to monitor the progress of the NRC review of the improved condensation
model discussed in the above referenced letter. In 1993, Westinghouse identified a 150°F Peak
Cladding Temperature (PCT) benefit for the SBLOCA analysis associated with this model. STP
has taken the conservative position of not taking credit for the 150°F benefit until NRC approval
of the model. However, STP currently plans to take credit for the benefit following the NRC's
approval of the model.

For the currently NRC accepted STP ECCS model, the PCT is 2159°F for LBLOCA and
2158°F for SBLOCA. The acceptance criteria for both models continue to be satisfied.

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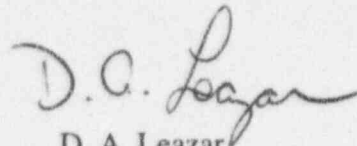
Project Manager on Behalf of the Participants in the South Texas Project

*Adol
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South Texas Project Electric Generating Station

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If you should have any questions concerning this matter, please contact Mr. H. R. Pate at (512) 972-7787 or me at (512) 972-7795.



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HRP/lf
Attachment

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**ATTACHMENT 1
LARGE AND SMALL BREAK LOCA ECCS
EVALUATION MODEL PEAK CLADDING TEMPERATURES**

**LARGE AND SMALL BREAK LOCA ECCS
EVALUATION MODEL PEAK CLADDING TEMPERATURES**

The ECCS evaluation model Peak Cladding Temperatures (PCT) are summarized below:

LARGE BREAK LOCA

| | |
|---------------------|------------|
| Previous PCT result | 2159°F |
| 1995 Changes | <u>0°F</u> |
| | 2159°F |

SMALL BREAK LOCA

| | |
|---------------------|------------|
| Previous PCT result | 2158°F |
| 1995 Changes | <u>0°F</u> |
| | 2158°F |