

The Light company

Houston Lighting & Power South Texas Project Electric Generating Station P. O. Box 289 Wadsworth, Texas 77483

April 13, 1995
ST-HL-AE-5064
File No.: G21.02
10CFR50.36

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

South Texas Project
Unit 1
Docket No. STN 50-498
Special Report Regarding Plugging of Steam Generator Tubes

Pursuant to the requirements of South Texas Project Technical Specifications 4.4.5.5a and 6.9.2, Houston Lighting & Power submits this Special Report regarding plugging of Unit 1 steam generator tubes.

Houston Lighting & Power completed the inservice inspection of the Unit 1 steam generators on April 1, 1995. All tubes were non-destructively examined using eddy-current techniques.

Thirty-two steam generator tubes containing circumferential indications and 14 steam generator tubes containing axial indications were plugged. One steam generator tube from this population contained both circumferential and axial indications. Seven steam generator tubes containing outside diameter indications that were not crack-like but that exceeded 40% of nominal wall thickness were plugged. In addition, 42 steam generator tubes with indications that did not exceed objective plugging criteria were plugged as a discretionary measure against defect development. A total of 94 tubes were plugged as a result of eddy-current testing indications.

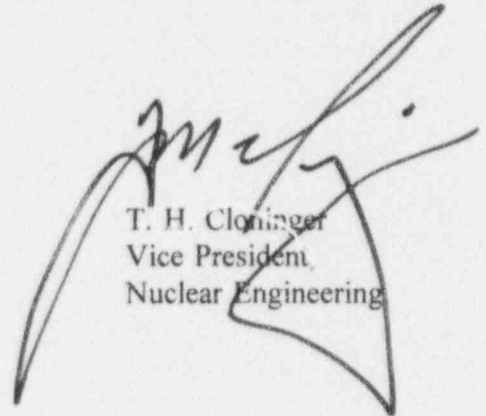
Three tubes were removed for laboratory examination and one tube was pressure tested in-situ with no bursting or leakage. These tubes are included in the plugging total of 94 tubes.

In addition to these 94 tubes plugged for indications of wear, corrosion or other reasons, 7 Westinghouse ribbed, mechanical replacement alloy 690 plugs were noted to leak or have unacceptable indications of suspected leakage and were retired from service. Welded plugs were installed at these locations. Two remaining plugs of this type that showed no sign of leakage were also replaced with welded plugs. Therefore all Westinghouse replacement mechanical plugs have been removed from service in South Texas Project Unit 1.

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If you should have any questions, please contact Mr. K. J. Taplett at (512) 972-8416 or me at (512) 972-8787.



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