

The Light company

Houston Lighting & Power

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February 5, 1988
ST-HL-AE-2498
File No.: G02
10CFR50

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

South Texas Project Electric Generating Station
Unit 1
Docket No. STN 50-498
Main Feedwater Hydraulic Transients
Supplemental Report

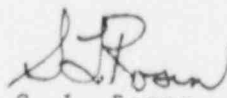
Reference 1) Letter from M. R. Wisenburg to Document Control Desk, dated
January 18, 1988 (ST-HL-AE-2483)

By Reference 1, HL&P submitted a report on the hydraulic transients that occurred in the South Texas Project Unit 1 main feedwater system while filling the steam generators on January 11, 1988. The hydraulic transients resulted from feeding the steam generators with main feedwater at a temperature above the steam generator secondary side saturation temperature. No damage to plant equipment was discovered after the event. Procedure changes have been made that will preclude recurrence of this type of main feedwater hydraulic transient event.

HL&P committed to perform confirmatory tests to verify that these procedural changes will prevent the observed hydraulic transients. These tests have been successfully completed and are documented in the attached supplemental report. Also provided in the report are discussions on the analysis performed to validate the root cause of the hydraulic events, an evaluation of the impact of the procedural changes on plant operations, and a comparison of the possibility of a similar event occurring at other plants.

If you should have any questions on this matter, please contact S. M. Head at (512) 972-8392.

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PDR ADDCK 05000498
PDR


S. L. Rosen
General Manager
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SLR/SMH/eeg

Attachment: -Supplemental Report- Hydraulic
Transient In the Main Feedwater
During Filling Of Steam Generators

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NL.88.033.04

A Subsidiary of Houston Industries Incorporated

cc:

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