

The Light company

Houston Lighting & Power P.O. Box 1700 Houston, Texas 77001 (713) 228-9211

→ F. MIRAGLIA
August 26, 1981
ST-HL-AE-725
SFN: V-0100

Mr. Darrell G. Eisenhut
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Eisenhut:

South Texas Project
Units 1 & 2
Docket Nos. STN 50-498, STN 50-499
SSI Meeting of August 13, 1981



Attached are copies of slides used by Houston Lighting and Power and its consultants at the August 13th meeting on SSI.

Very truly yours,

Claim & Retention for
J. H. Goldberg
Vice President
Nuclear Engineering & Construction

LRJ/syt
Attachments

cc: Service List (w/o attachments)

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PDR ADOCK 05000498
A PDR

Boo1
5/11

Houston Lighting & Power Company

cc: J. H. Goldberg
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W. S. Phillips (NRC)
J. O. Read (Read-Poland, Inc.)
M. D. Schwarz (Baker & Botts)
R. Gordon Gooch (Baker & Botts)
J. R. Newman (Lowenstein, Newman, Reis, & Axelrad)
Director, Office of Inspection & Enforcement
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Revision Date 7-28-81

SOUTH TEXAS PROJECT
SOIL STRUCTURE INTERACTION CHRONOLOGY

February 13, 1975	A meeting was held between HL&P, B&R, Woodward Clyde Consultants (WCC) and the NRC to finalize the SSI criteria and analysis approach to be used on the South Texas Project. In this meeting it was established that the SSI analysis would be performed utilizing the Finite Element Method (FEM) in accordance with USNRC Standard Review Plan (SRP) Section 3.7.2.
August 1, 1975	South Texas Project Safety Evaluation Report (SER) issued with conclusion by the NRC that the FEM was acceptable (SER 3.7.2).
December 27, 1975	Construction Permit issued.
May 19, 1976	HL&P submitted response spectra curves for the South Texas Project based upon approved FEM.
April 13, 1979	NRC requests alternate comparative analysis using Elastic Half-Space Method (EHS) in FSAR Question 130.11 and 130.12.
May 10, 1979	HL&P/B&R met with the NRC to contest responding to FSAR Question. HL&P agreed to perform alternate analysis for comparison purposes only.
September 18, 1979	HL&P/B&R/WCC presented to NRC for approval the methodology under which the alternate confirmatory EHS model would be performed using Kausel's approach in considering embedment effects.
May 16, 1980	HL&P transmitted to the NRC the response to FSAR Question 130.12 entitled "Alternate Comparative Soil Structure Interaction Analysis Using the Elastic Half-Space Approach for Category 1 Structures for the South Texas Project."
July 21, 1981	HL&P transmitted to the NRC the consultants' reports documenting the review of the South Texas Project FEM analysis.