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MEETING SUMMARY DISTRIBUTION

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 C. Heltemes  
 W. Haass  
 R. Houston  
 L. Crocker  
 B. Kirschner  
 F. Williams  
 R. Mattson  
 R. DeYoung  
 Project Manager E. A. Licitra  
 Attorney, ELD  
 M. Rushbrook  
 IE (3)  
 ACRS (16)  
 R. Denise

BCC: Applicant & Service List

J. Knight  
 S. Hanauer  
 R. Tedesco  
 R. Bosnak  
 S. Pawlicki  
 F. Schauer  
 K. Kniel  
 T. Novak  
 Z. Roxztochy  
 W. Butler  
 V. Benaroya  
 R. Satterfield  
 V. Moore  
 W. Kreger  
 M. Ernst  
 F. Rosa  
 R. Denise  
 EP Branch Chief  
 G. Chipman  
 J. Collins  
 T. Murphy  
 G. Lear  
 B. Youngblood  
 R. Jackson  
 L. Hulman

NRC Participants:

E. Licitra  
 J. Ma  
 R. Gupta  
 S. Chan  
 R. Lipinski  
 O. Thompson  
 H. Lee  
 F. Schauer

RE

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

OCT 1 1979

Docket Nos.: STN 50-498  
STN 50-499

APPLICANT: Houston Lighting and Power Company  
FACILITY: South Texas Project, Units 1 and 2  
SUBJECT: SUMMARY OF MEETING TO DISCUSS SOIL/STRUCTURE INTERACTION ANALYSIS

A meeting was held on September 18, 1979 with the applicant in Bethesda, Maryland to discuss the soil/structure interaction analysis for the facility. The meeting was held at the applicant's request, as a follow-up to the May 10, 1979 meeting on the same subject, to discuss the methodology and parameters to be used for the alternate comparative analysis. The meeting attendees are listed in the Enclosure. The meeting is summarized as follows.

Summary

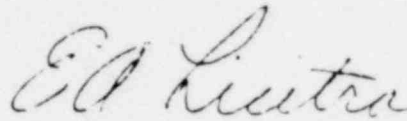
The applicant stated that the alternate analysis will be performed by the elastic half-space model using Kausel's approach; i.e., for deeply embedded structures, (the Reactor Building and the Fuel Handling Building), the response spectra in Regulatory Guide 1.60 will be modified to take into account the effect of deep embedment (kinematic interaction). We agreed that the elastic half-space model was an acceptable approach. We stated that we would need to evaluate the results of the analysis, where Kausel's approach results in significant reductions in the response spectra, before making any judgments on the acceptability of the analysis.

The applicant proposed the following parameters for the alternate analysis which we found acceptable.

1. Average soil properties will be used.
2. The peaks of the calculated floor response spectra will be broadened over a frequency range of  $\pm 15$  percent of the frequencies at which peak spectral values are computed.

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3. Only two percent damping will be used to generate floor response spectra for comparison, unless the new results exceed the existing results. In this case, response spectra for other damping ratios will also be computed.



E. A. Licitra, Project Manager  
Light Water Reactors, Branch No. 3  
Division of Project Management

Enclosure:  
As Stated

cc: See Next Page

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**POOR ORIGINAL**

Vice President  
Houston Lighting and Power Company  
P. O. Box 1700  
Houston, Texas 77001

cc: Mr. D. G. Barker  
Manager, South Texas Project  
Houston Lighting and Power Company  
P. O. Box 1700  
Houston, Texas 77001

Mr. M. L. Borchelt  
Central Power and Light Company  
P. O. Box 212  
Corpus Christi, Texas 78403

Mr. R. L. Hancock  
City of Austin  
Electric Utility Department  
P. O. Box 1088  
Austin, Texas 78767

Mr. J. B. Poston  
Assistant General Manager for Operations  
City Public Service Board  
P. O. Box 1771  
San Antonio, Texas 78296

Mr. Jack R. Newman, Esq.  
Lowenstein, Newman, Axelrad & Toll  
1025 Connecticut Avenue, N. W.  
Washington, D. C. 20036

Mr. Melbert Schwarz, Jr., Esq.  
Baker & Botts  
One Shell Plaza  
Houston, Texas 77002

Mr. A. T. Parker  
Westinghouse Electric Corporation  
P. O. Box 355  
Pittsburgh, Pennsylvania 15230

Mr. E. R. Schmidt  
NUS Corporation  
NUS-4 Research Place  
Rockville, Maryland 20850

Mr. J. H. Pepin  
Brown & Root, Inc.  
P. O. Box 3  
Houston, Texas 77001

Mr. Troy C. Webb  
Assistant Attorney General  
Environmental Protection Div.  
P. O. Box 12548  
Capitol Station  
Austin, Texas 78711

Mr. R. Gordon Gooch, Esq.  
Baker & Botts  
1701 Pennsylvania Avenue, N.W.  
Washington, D. C. 20006

Director, Governor's Budget  
and Planning Office  
Executive Office Building  
411 W. 13th Street  
Austin, Texas 78701

John L. Anderson  
Oak Ridge National Laboratory  
Union Carbide Corporation  
Bldg. 3500, P. O. Box X  
Oak Ridge, Tennessee 37830

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ENCLOSURE

ATTENDEES

Houston Lighting & Power

S. Rodgers  
R. Hernandez  
R. Jacobi

Brown & Root

P. Jordan  
J. Lee  
G. Fisher  
D. Prevatte

Bechtel Power Corp.

J. Oleinik

Woodward - Clyde

I. Idriss

NRC

F. Schauer  
H. Lee  
O. Thompson  
R. Lipinski  
S. Chan  
R. Gupta  
J. Ma  
E. Licitra

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