



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

J. Kane  
5/14/84

MEMO to Mr. ISC

MEMORANDUM FOR: George Lear, Chief  
Structural and Geotechnical Engineering  
Division of Engineering

THRU: *JMK* Lyman Heller, Leader  
Geotechnical Engineering Section  
Structural and Geotechnical Engineering Branch  
Division of Engineering

FROM: Joseph Kane, Senior Geotechnical Engineer  
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SUBJECT: REVIEW EFFORTS REQUIRED OF GEOTECHNICAL ENGINEERING  
SECTION IN MIDLAND'S SEISMIC MARGIN REVIEW STUDIES

References: 1. April 18, 1984 letter from H. Levin, TERA to J. Cook,  
CPC, J. Keppler, Region III and D. Eisenhut, NRR, on  
"Independent Design and Construction Verification  
(IDCV) Program Meeting Summary"

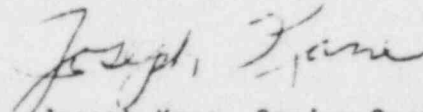
2. April 20, 1984 letter from J. Cook, CPC to J. Keppler,  
Region III, on "Final Report on Potentially Reportable  
Conditions, Seismic and Structural Design Concerns"

Until recently my perception of Geotechnical Engineering Section involvement in the Seismic Margin Review (SMR) studies was that we would not be involved because our past safety review efforts had addressed the foundation soil input required in these studies. Our conclusions on the appropriateness and acceptability of engineering soil design values had been provided in SSER No. 2 (October 1982) and in testimony for previous ASLB hearing sessions.

Information provided in the above references indicates my perception may not have been correct. The work by SMA in SMR studies indicates soil layering profiles and soil properties different from what we had previously addressed. Discrepancies identified in Reference 2 for Safety Concerns and Reportability Evaluations (SCRE) Nos. 9 and 15, now raise concerns on what dynamic soil properties are actually being used in the seismic analysis of Category I structures.

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Based on the information provided in References 1 and 2, I feel it is necessary that GES now become involved in the review of SMR studies and be given the opportunity to attend meetings on SMR topics such as the one held on April 17, 1984 for the benefit of TERA's review. By providing a copy of this memorandum to D. Hood, I am notifying Division of Licensing of the need for GES review of the SMR reports and am requesting that copies of SMR Volumes I, III, VII, VIII, and IX be provided to GES for our review. I would estimate, based on my present work schedule, that GES review of the ten SMR documents would be completed by mid-July 1984.



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cc: J. Knight  
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