



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

SEP 22 1983

MEMORANDUM FOR: William Paton, Attorney
Office of the Executive Legal Director

FROM: George Lear, Chief
Structural and Geotechnical Engineering Branch
Division of Engineering

SUBJECT: MIDLAND REVIEW - EVALUATION OF FINDINGS FOR
REMEDIAL ISSUES (30% STRUCTURAL REVIEW)

We are reviewing the document, "Applicant's Proposed Findings of Facts and Conclusions of Law on Remedial Soil Issues", along with related information, on the Seismic Models and Borated Water Storage Tanks (BWST) resulting from the ASLB hearings.

At this level (30%) of the structural engineering review, the subject document appears to be true and accurate. The methodology used to develop the seismic models for the Auxiliary Building, Service Water Pump Structure and Borated Water Storage Tanks, was within the state-of-the-art and the models are adequate for the purpose of defining seismic design forces to be used in the design of the subject structures. Also, the remedial measures for the BWST, assuming they are successfully completed, will provide reasonable assurance that the BWST will perform their intended safety functions throughout the operating life of the plant.

The structural engineering review has been performed by Frank Rinaldi of my staff and John Matra (NSWC), staff consultant.

George Lear, Chief
Structural and Geotechnical
Engineering Branch
Division of Engineering

cc: D. Eisenhut
R. Vollmer
J. Knight
E. Adensam
D. Hood
G. Lear

P. Kuo
F. Rinaldi

83 L φ φ 5 φ 1 3 6

XA SPP