



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

AUG 8 1983

MEMORANDUM FOR: Thomas Novak, Assistant Director
for Licensing
Division of Licensing

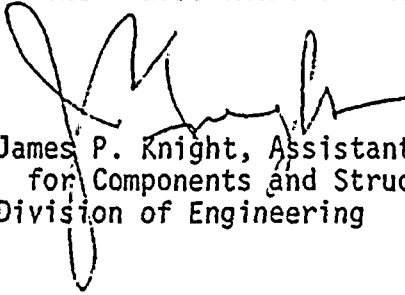
FROM: James P. Knight, Assistant Director
for Components and Structures Engineering
Division of Engineering

SUBJECT: DIABLO CANYON BURIED DIESEL FUEL TANK BROOKHAVEN
NATIONAL LABORATORY ANALYSIS LETTER REPORT

Enclosed is the letter report from the staff's consultant, Brookhaven National Laboratory (BNL), on the analysis they performed on the buried diesel fuel tanks at Diablo Canyon Nuclear Power Plant. The report should be forwarded to all parties of interest. The results of the BNL analysis was presented to the IDVP and the DCP on June 17, 1983 and at a follow up meeting on July 7, 1983.

The BNL report shows the Harding & Lawson analysis of the tank incorrectly modeled the fluid inside the tank, underpredicted the loads and would not allow expected mode shapes to occur. The assessment of the factors of safety indicated the tank might be overstressed. The report recommends considering various levels of fluid inside the tank.

The IDVP should consider this report in their assessment of the tank.


James P. Knight, Assistant Director
for Components and Structures Engineering
Division of Engineering

cc: ✓ D. Eisenhut
R. Vollmer
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