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SUBJECT: Forwards final seismic analysis rept, "Crane Seismic Rept,
 Cask Handling Crane, 150/20 Ton Capacity, S/N 12115," Vols I &
 II. Analysis for new auxiliary bldg. crane to meet single-
 failure-proof requirements of NUREG-0554.

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Donald C. Cook Nuclear Plant Unit 2
Docket No. 50-316
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NEW AUXILIARY BUILDING CRANE
FINAL SEISMIC ANALYSIS REPORT

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

ATTN: T. E. Murley

January 12, 1988

Dear Dr. Murley:

Enclosed, as requested by your staff, is one copy of the final seismic analysis report entitled, "Crane Seismic Report, Cask Handling Crane, 150/20 Ton Capacity, S/N 12115," Volumes I and II dated September 9, 1987, performed by Whiting Corporation. This analysis is for the new auxiliary building crane being built to meet the single-failure-proof requirements of NUREG-0554.

This final seismic analysis, which confirms the conclusions of the preliminary seismic analysis provided in Supplement 1 of the Steam Generator Repair Report, demonstrates that the allowable stresses of the principal structural components of the new crane are not exceeded during a design-basis earthquake with a 60 ton load on the main hook.

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Sincerely,



M. F. Alexich
Vice President

lp

cc: John E. Dolan
W. G. Smith, Jr. - Bridgman
R. C. Callen
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G. Charnoff
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