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October 31, 1983

81-05 #10

Mr J G Keppler, Regional Administrator
US Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

MIDLAND ENERGY CENTER PROJECT
DOCKET NOS 50-329 AND 50-330
SHEAR REINFORCEMENT AT MAJOR CONTAINMENT PENETRATIONS
FILE: 0.4.9.53 SERIAL: 23828

References: J W Cook letters to J G Keppler, Same Subject:

- (1) Serial 11993, dated May 15, 1981
- (2) Serial 12066, dated July 31, 1981
- (3) Serial 14635, dated December 14, 1981
- (4) Serial 16126, dated March 12, 1982
- (5) Serial 17511, dated June 4, 1982
- (6) Serial 17598, dated August 31, 1982
- (7) Serial 19119, dated December 17, 1982
- (8) Serial 20730, dated March 18, 1983
- (9) Serial 22234, dated June 13, 1983

This letter, as were the referenced letters, is an interim 50.55(e) report concerning the adequacy of shear reinforcements at major containment penetrations.

To verify that stresses due to accident loading conditions in the main reinforcement around the personnel lock and equipment hatch are not a safety concern, elastic analyses have been completed. Further evaluation involving iterative analyses to consider redistribution of forces in local areas by softening (reduced stiffness) of model elements is in progress. It is anticipated that all analyses will be completed by December 1, 1983.

SAR Change Notice 3832 has been issued to update design criteria in FSAR Subsection 3.8.1.5.1.5.

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① Warnick
② File

Consumers Power will send either the final report or another interim report addressing the above issue by January 27, 1984.

James W. Cook

JWC/AHB/lr

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