



Consumers  
Power  
Company

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July 11, 1984

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 LUG DESIGN FOR EMBEDS  
FILE: 0.4.9.68 SERIAL: 30357

Reference: J W Cook letters to J G Keppler, same subject:

- 1) Serial 19106, dated December 3, 1982
- 2) Serial 20721, dated March 1, 1983
- 3) Serial 22207, dated May 20, 1983
- 4) Serial 26603, dated November 22, 1983
- 5) Serial 28015, dated February 24, 1984
- 6) Serial 30301, dated June 1, 1984

The referenced letters were interim 10CFR50.55(e) reports regarding concrete embedment design using shear lugs located outside the compression zone. This is a final report.

Consumers Power Company has reviewed the results of Bechtel Project Engineering investigations and concurs that the use of shear lugs outside the compression zone is an effective and proper design technique. The attachment to this letter describes the investigation process that lead to this conclusion.

*James W. Cook*

JWC/WRB/cd

Attachment: 1) MCAR 63, Final Report, dated May 14, 1984

CC: Document Control Desk, NRC  
Washington, DC

DSHood, US NRC  
Office of NRR

Midland NRC Resident Office  
Midland Nuclear Plant

INPO Records Center

8408310054 840711  
PDR ADOCK 05000329  
S PDR

OC0784-0020A-MP01

RELATED CORRESPONDENCE

RELATED CORRESPONDENCE

James W Cook

Vice President - Projects, Engineering  
and Construction

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