



Consumers
Power
Company

James W Cook
Vice President - Projects, Engineering
and Construction

General Offices: 1945 West Parnall Road, Jackson, MI 49201 • (517) 788-0453

August 31, 1983

82-05 #5

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
ACCIDENT TEMPERATURE EFFECTS ON
CONTAINMENT LEVEL MEASUREMENT
FILE: 0.4.9.61 SERIAL: 23783

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

- 1) Serial 16192, dated May 14, 1982
- 2) Serial 19053, dated September 28, 1982
- 3) Serial 20689, dated February 1, 1983
- 4) Serial 22188, dated May 6, 1983

This letter, as were the referenced letters, is an interim 50.55(e) report on accident temperature effects on containment level measurement.

Investigation has limited the need for corrective action to steam generator level transmitters. It has been determined that instrument string error for this equipment under accident conditions exceeds that allowed to establish the steam generator ECCS control setpoints.

The design has been revised to include one transmitter per steam generator and insulate the transmitter reference leg. In addition, Bechtel and B&W are refining existing calculations to determine optimum installation details.

Another letter, either interim or final, will be provided on or before October 31, 1983.

James W. Cook

JWC/WRB/AHB/cd

CC: RJCook, NRC Resident Inspector
Midland Nuclear Plant

Document Control Desk, NRC
Washington, DC

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