



**Consumers
Power
Company**

James W Cook
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September 23, 1982

Harold R Denton, Director
Office of Nuclear Reactor Regulation
Division of Licensing
US Nuclear Regulatory Commission
Washington, DC 20555

MIDLAND NUCLEAR COGENERATION PLANT
MIDLAND DOCKET NOS 50-329, 50-330
CONTROL SYSTEMS FAILURE ANALYSIS
FILE: B7.5/0937.7 SERIAL: 18863

Enclosed are six copies of BAW-1743 entitled: "Failure Mode & Effects Analysis of the Midland NNI and ICS". This report is provided in response to Questions 30.56 through 30.59 of the Midland Final Safety Analysis Report (FSAR). This report provides the information necessary for your Staff to complete their review of Confirmatory Item (22) of the Midland Safety Evaluation Report. It was verified all failures were bounded by FSAR analysis or created anomalies not severe enough to be analyzed in the FSAR and were well within operator capabilities.

The FSAR responses to Questions 30.56 through 30.59 will be revised to reference the enclosed report.

JWC/RMH/jvm

CC RJCook, Midland Resident Inspector
RHernan, US NRC
DBMiller, Midland Construction (3)
RWHuston, Washington

James W. Cook
BOO1

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PDR ADOCK 05000329
E PDR

CONSUMERS POWER COMPANY
Midland Units 1 and 2
Docket No 50-329, 50-330

Letter Serial 18863 Dated September 23, 1982

At the request of the Commission and pursuant to the Atomic Energy Act of 1954, and the Energy Reorganization Act of 1974, as amended and the Commission's Rules and Regulations thereunder, Consumers Power Company submits B&W Report BAW-1743 entitled: "Failure Mode and Effects Analysis of the Midland NNI and ICS."

CONSUMERS POWER COMPANY

By JW Cook
J W Cook, Vice President
Projects, Engineering and Construction

Sworn and subscribed before me this 28 day of September, 1982.

Robert R. Lunn
Notary Public
Jackson County, Michigan

My Commission Expires September 8, 1984