



Consumers  
Power  
Company

James W Cook

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March 9, 1983

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

MIDLAND ENERGY CENTER PROJECT  
MIDLAND DOCKET NOS 50-329, 50-330  
TECHNICAL SPECIFICATION SETPOINT METHODOLOGY  
FILE B16.0/B7.1 SERIAL 21566

Attached are two documents which describe the methodology utilized to determine the Reactor Protection System (RPS) and Engineered Safety Feature Actuation System (ESFAS) setpoints reported in FSAR Chapter 16 Technical Specifications. Attachment 1 describes the setpoint methodology for the RPS while Attachment 2 describes the methodology for Balance-of-Plant equipment including the ESFAS. These documents provide the information necessary for your Staff to complete their review of Confirmatory Item (15) of the Midland Safety Evaluation Report.

As indicated in the attached documents, the method used in determining setpoints in the RPS and ESFAS provides sufficient margin between the trip setpoints and appropriate safety limits to account for accuracies, drift, uncertainties and dynamic responses. This methodology thus provides assurance that RPS and ESFAS trips will occur when required to prevent exceeding appropriate safety limits.

*James W. Cook*

JWC/RMH/fms

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

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

Letter Serial 21566 Dated March 9, 1983

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 information on the methodology for selecting Technical Specification setpoints for the Reactor Protection System and Engineered Safety Feature Actuation System.

CONSUMERS POWER COMPANY

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

Sworn and subscribed before me this 7 day of March, 1983

Barbara B. Lunsford  
Notary Public  
Jackson County, Michigan

My Commission Expires September 8, 1984