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Docket Nos.: 50-329
and 50-330

NOV. 19 1975

Consumers Power Company
ATTN: Mr. S. H. Howell
Vice President
212 West Michigan Avenue
Jackson, Michigan 49201

Gentlemen:

The enclosed comments and requests for information are in response to your letter of September 11, 1975, regarding the implementation of Regulatory Guides at your Midland Plant. These guides deal with materials engineering.

As indicated in our letter of October 15, 1975, your response to this request for information was scheduled for December 8, 1975. Please inform us within seven (7) days after receipt of this letter of your confirmation of this date or the date you will be able to meet.

Please contact us if you have any questions regarding the information requested.

Sincerely,

Original Signed by

A. Schwencer, Chief
Light Water Reactors Branch 2-3
Division of Reactor Licensing

Enclosure:
Request for Additional
Information

cc: See next page

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OFFICE ➤	x7886/LWR2-3	C-LWR2-3:RL				
SURNAME ➤	SMacKay:rm	ASchwencer				
DATE ➤	11/19/75	11/19/75				

Form AEC-318 (Rev. 9-53) AECM 0240 ☆ U. S. GOVERNMENT PRINTING OFFICE: 1974-526-166

cc w/encl:

Howard J. Vogel, Esq.
Knittle & Vogel
814 Flour Exchange Building
310 Fourth Avenue South
Minneapolis, Minnesota 55415

Myron M. Cherry, Esq.
Jenner & Block
1 IBM Plaza
Chicago, Illinois 60611

Harold F. Reis, Esq.
Lowenstein, Newman, Reis & Axelrad
1025 Connecticut Avenue, N.W.
Washington, D.C. 20036

Honorable William H. Ward
Assistant Attorney General
Topeka, Kansas 66601

Irving Like, Esq.
Reilly, Like & Schneider
200 West Main Street
Babylon, New York 11702

James A. Kendall, Esq.
135 N. Saginaw Road
Midland, Michigan 48640

OFFICE ➤						
SURNAME ➤						
DATE ➤						

121.0 MATERIALS ENGINEERING BRANCH
MATERIALS PERFORMANCE SECTION

121.1 With regard to Regulatory Guide 1.2, "Thermal Shock to Reactor Pressure Vessels" (11/2/72), the staff does not consider the material presented to be an exception to this guide. Please confirm your full conformance with Regulatory Guide 1.2.

121.2 With regard to Regulatory Guide 1.14, "Reactor Coolant Pump Flywheel Integrity" (10/27/71), please confirm that the design of the reactor coolant pump and flywheel assembly provides access to enable 100% ultrasonic volumetric examination of the flywheels.

122.0 MATERIALS ENGINEERING BRANCH - MATERIALS APPLICATIONS SECTION

122.1 Regarding Regulatory Guide 1.31, "Control of Stainless Steel Welding," the degree of compliance with the April 11, 1974, Interim Position of the Guide (i.e., Branch Technical Position MTEB 5-1) is incomplete for the equipment within the B&W scope of supply, for the balance of plant components, and for installation of the NSSS and BOP components. Describe the status of the procurement of the NSSS and BOP austenitic stainless components and the status of the welding installation of the austenitic stainless steel components of the NSSS and the BOP.

122.2 Regarding Regulatory Guide 1.34, "Control of Electroslag Weld Properties," the degree of compliance with the Guide is satisfactory for both the B&W scope of supply and the BOP components.

122.3 Regarding Regulatory Guide 1.36, "Nonmetallic Thermal Insulation for Austenitic Stainless Steel," the degree of compliance with the Guide is satisfactory for the entire Midland project except for assurance that all of the provisions of Regulatory Position 1 will be complied with. Provide information regarding chloride control during field installation of nonmetallic thermal insulation.

122.4 Regarding Regulatory Guide 1.43, "Control of Stainless Steel Weld Cladding of Low-Alloy Steel Components," the degree of compliance with the Guide is incomplete for the B&W scope of supply and for the Midland Construction of BOP components and installation of the NSSS. Describe the status of the procurement and construction of Midland Units 1 and 2 involving stainless steel weld cladding of low-alloy steel components. Position C.1.b of the Regulatory Guide should be complied with for "low-heat-input" as well as "high-heat-input" weld cladding procedures.

122.5 Regarding Regulatory Guide 1.44, "Control of the Use of Sensitized Stainless Steel," the degree of compliance with the Guide is satisfactory for the equipment within the B&W scope of supply, except for lack of compliance with Regulatory Guide Position C.3; and is satisfactory for the BOP equipment and for field fabrication and installation, except for lack of compliance with Regulatory Guide Positions C.3 and C.6. Describe the status of the procurement and welding installation of austenitic stainless steel components in Midland 1 and 2.

122.6 Regarding Regulatory Guide 1.50, "Control of Preheat Temperature for Welding of Low-Alloy Steel," the degree of compliance with the Guide is satisfactory for the equipment within the B&W scope of supply and is satisfactory for the construction of BOP equipment and the installation of the NSSS, except for lack of compliance with Regulatory Guide Position 1.a. Describe the status of the construction of the BOP equipment and the installation of the NSSS.

122.7 Regarding Regulatory Guide 1.65, "Materials and Inspections for Reactor Vessel Closure Studs," the degree of compliance with the Guide is incomplete for the B&W scope of supply. Provide more specific information on fracture toughness, tensile properties, and inspection. Also, provide degree of compliance with Positions C.3 and C.4 of the Guide.

122.8 Regarding Regulatory Guide 1.66, "Nondestructive Examination of Tubular Products," the degree of compliance with the Guide is incomplete for the equipment within the B&W scope of supply and for the BOP components. Tubular products should be examined either in accordance with all of the positions of the Guide or in accordance with the requirements of the ASME Code, Section III, Summer 1974 Addenda. Describe the status of the procurement of the equipment within the B&W scope of supply and the BOP components.

Regarding Regulatory Guide 1.71, "Welder Qualification for Areas of Limited Accessibility," the degree of compliance with the Guide is satisfactory for Midland 1 and 2.