

Docket # 50-3a

Docket Nos. 50-329/330

NOV 12 1974

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

THIS DOCUMENT CONTAINS  
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Gentlemen:

We have reviewed Sections 2.2.8, 9.3 and 9.8 of Amendment 25 to your application for the Midland Plant, Units 1 and 2. We have requested in the enclosure to this letter additional information needed to clarify and amplify your previously submitted information applicable to Amendment 25.

In summary, our review cannot be completed for the sections specified above until you provide the additional information requested for staff review.

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  
Directorate of Licensing

Enclosure:  
Requests for Information

ccs: See next page

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Requests for Information (Amendment 25)

Consumers Power Company

Midland Plant, Units 1 and 2

Docket Nos. 50-329/330

2.2.8 Make-up Water Supply

1. Figure 2-16 shows details of the river intake structure. Discuss the provisions that have been made in the design of this structure to remove accumulated silt and sludge in the settling basins since excessive accumulation of silt would affect the operation of the cooling water system.
2. Figure 2-16a shows details of the make-up water pump structure. Provide the following additional information:
  - (a) Demonstrate that failure of one pump will not jeopardize operation of the other two pumps due to internally generated missiles.
  - (b) What provisions have been made in the pump room operating floor penetrations (elev. 614 ft.) and equipment to floor interfaces to prevent flooding of the pump room when water levels reach the design basis probable maximum flood stillwater level.

9.3 Decay Heat Removal System

1. Page 5 of the summary of Amendment 25 states the design of the borated water storage tanks has been changed to consist of two tanks, one per reactor unit.

Revise the PSAR text accordingly and provide a revised Figure 9-4.

9.8 Auxiliary Feedwater System

1. Section 9.8.2 states that the feedwater system for each unit consists of one full capacity steam turbine driven and one full capacity electric motor driven auxiliary feedwater pump and associated valves, piping and controls.

Provide the results of a failure mode and effects analysis which demonstrates the capability of the two 100% capacity auxiliary feedwater pumps to attain a safe plant shutdown under conditions stated in considering Mr. A. Giambusso's high energy line break criteria dated December 15, 1974, and a concurrent, single active failure of any active component in the auxiliary feedwater system including a hot short of valve operators during normal startup, shutdown or normal operation. Provide a description of any modifications that may result from this analysis.

2. Section 9.8.2 also states in the event of loss of water supply from the condensate storage tank, a manual back-up is provided from the service water system. Clarify what is meant by "manual back-up". Indicate this change on the appropriate P&I Diagrams.