

JUL 30 1974

Docket Nos. 50-329
and 50-330

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

THIS DOCUMENT CONTAINS
POOR QUALITY PAGES

Gentlemen:

We have completed our review of several items presented in Amendment No. 26 to your application for construction permits and operating licenses for Units 1 and 2 of your Midland plant. Due to our heavy workload we have been unable to complete our review of this amendment on the schedule you requested but we will send you the results of our review of specific items as they become available.

The following conclusions have been reached as a result of our review of Amendment No. 26 to date.

1. Apparently, your surveillance procedure of the prestressing tendons does not conform with the recommendations of Regulatory Guide 1.35 and does not follow the suggestions of the draft of the ACI/ASME Code (ASME Boiler and Pressure Vessel Code, Section III, Division 2). The Regulatory staff recommends that you follow as closely as possible the guidance given in Regulatory Guide 1.35 "Inservice Inspection of UngROUTed Tendons in Prestressed Concrete Containment Structures".

2. Penetration Pressurization System

In response to item number 6, page 6-1, which states that containment design does not include provisions for pressurizing channels located over containment liner welds, you have referred to Section 5.1.1 which describes the provisions for air pressurization of the reactor building penetrations and the liner leak chase channels.

Page 5-56b of Amendment No. 26 states that the liner plate weld channels will not be normally pressurized but are used to check leak tightness of the liner welds prior to concrete placement and may be used to periodically test the containment leak tightness. If excessive leakage should occur the channels will be pressurized from the penetration pressurization system until repairs are made. This procedure is acceptable to the regulatory staff.

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3. Preoperational Integrated Leak Test (5.1.4.1.2)

You have stated that the design leakage rate will not exceed 0.1 percent by volume of the contained atmosphere and that the integrated leak test will be conducted in accordance with Appendix J.

In accordance with ANSI N45.4-1972, the leakage rate should be stated as the percentage by weight of the contained atmosphere. Testing in accordance with Appendix J is acceptable to the Regulatory staff.

4. Fuel Transfer Penetration (5.1.2.1.4a)

The applicant proposes to use a double gasketed blind flange in the refueling canal and a standard gate valve in the spent fuel pit. This arrangement meets the intent of General Design Criterion 56 for primary containment isolation and is acceptable to the Regulatory staff.

5. Reinforcing Bar Testing

We understand that your position in this matter is that you will conform to Regulatory Guide 1.15 "Testing of Reinforcing Bars for Category I Concrete Structures". This is acceptable to the Regulatory staff.

Sincerely,

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 AEC PDR
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 VAMoore

Original Signed by
 Irving A. Peltier

A. Schwencer, Chief
 Light Water Reactors Project Branch 2-3
 Directorate of Licensing

ccs: See next page

JHendrie
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OFFICE →	x7886/LWR2-3	L:C/LWR 2-3			
SURNAME →	SDMacKay:cjb	ASchwencer			
DATE →	7/29/74	7/29/74			

ccs: Harold F. Reis, Esquire
Newman, Reis, Axelrad
1025 Connecticut Avenue, N. W.
Washington, D. C. 20036

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

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

Irving Like, Esquire
Reilly, Like and Schneider
200 West Main Street
Babylon, New York 11702

Myron M. Cherry, Esquire
Jenner and Block
1 IBM Plaza
Chicago, Illinois 60611

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

OFFICE →						
SURNAME →						
DATE →						