



Consumers  
Power  
Company

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

MIDLAND PROJECT  
MIDLAND DOCKET NO 50-329, 50-330  
B & W STEAM GENERATOR AUXILIARY  
FEEDWATER HEADER DESIGN CHANGE  
FILE: 0505.2, B10.4 SERIAL: 17885

Together with Babcock and Wilcox (B&W) and other B&W Reactor Plant owners we are planning and designing a new scheme to supply auxiliary feedwater to the steam generators. This effort is being pursued at Midland as a result of the recent damage reported on the internal auxiliary feedwater header design by other B&W plants in operation.

The corrective actions which are being pursued for Midland, are similar to the modifications being implemented by other B&W plants with similar OTSG designs. We plan to add an external auxiliary feedwater distribution header with injection nozzles through the steam generator shell. The plans will also provide for abandonment and adequate stabilization of the existing internal auxiliary feedwater distribution header which has not been damaged. We are presently in the process of locating the positions of the external header nozzles around the circumference of the shell and once the positions are determined the shell will be ultrasonically tested in the areas of the hole location prior to drilling the steam generator shell. We are also determining the new routing of the auxiliary feedwater piping and the support arrangements necessary for the external header.

The action items necessary to implement the design change currently are being actively worked out by B&W, Bechtel, and Consumers. We expect this modification to be essentially complete by September of this year and therefore it will not interfere with the start-up program for the Midland plant.

Before we begin construction, Consumers will be conducting a design review of the proposed modifications as they apply specifically to Midland. We are also


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hopeful that a NRC Staff review and concurrence can be accomplished in this time frame.

With this goal in mind, we request that the Staff provide a list of any specific design details that will be required to accomplish their design review for Midland. We are confident the forthcoming information will fulfill your needs and we can achieve our construction schedule goals.



R. A. Wells  
Executive Manager

for J W Cook  
JWC/WJC/mkh

CC RJCook, Midland Resident Inspector  
RHernan, NRC (2)  
JGKeppler, Region III  
DBMiller, Midland (3)  
JRajan, NRC