



Consumers  
Power  
Company

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July 16, 1979  
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Mr James G Keppler, Regional Director  
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MIDLAND PROJECT  
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On May 14, 1979, we responded that we were still conducting our review on IE Bulletin 79-03, "Longitudinal Weld Defects in ASME SA-312 Type 304 Stainless Steel Pipe Spools Manufactured by Youngstown Welding and Engineering Company" against the Midland Plant design and a final or interim report would be provided by July 18, 1979. The following response is a final report on this subject.

A complete review of all ASME SA-312, TP-304 or TP-316 pipe in use or intended for use in safety-related systems at the Midland Plant has been made. We have determined that only 1 foot of the subject pipe, manufactured by Youngstown Welding and Engineering, is in use. This piece is 12-inch diameter pipe, with a wall thickness of 0.375 inch (heat 24039). The pipe was purchased from Albert Pipe Supply. The pipe is in the main suction header from the spent fuel pool to the spent fuel cooling pump, and is a part of the fuel pool cooling and purification system. It is embedded in concrete in the auxiliary building at elevation 657'-10", and is 1'-8" east of column row 5.6 and 4'-9" north of column row G. The design pressure of the line is 100 psig and the design temperature is 212F.

We believe that examination and possible repair of this piece of pipe is not necessary for the following reasons. The pipe is unlikely to fail as a result of internal pressure because the actual maximum pressure to which this pipe will be subjected is 1 psig. This is because its location is near the top of the spent fuel pool. The pool is vented to the atmosphere, and its maximum elevation is 658'-0". Because the pipe is encased

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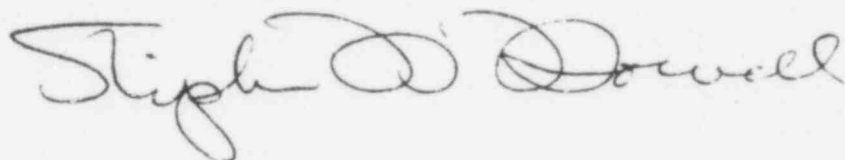
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in Ethafoam and embedded in concrete, any leak which may develop during the life of the plant will be contained by the concrete and will be conducted along the pipe to a 599' elevation where it will be readily detectable. The functioning of the system will not be impaired.

For your information, two other batches of SA-312 manufactured by Youngstown Welding and Engineering have been supplied to the Midland Project. The first batch comprises 39 feet of 12-inch pipe purchased from ITT Grinnell on a field material requisition in 1978. The pipe was received at Midland without proper documentation, and was returned to the vendor. Because Grinnell was unable to provide replacement pipe with dispatch, the order was cancelled and placed with a different vendor. The second batch comprises 13 feet of 24-inch pipe purchased from ITT Grinnell on a field material requisition in 1979. This pipe has been received and is in stock at the Midland jobsite. Jobsite personnel have been instructed to take the steps necessary to ensure this is not installed in any safety-related system.

Because examination and repair of the subject pipe will not be done, we are not proceeding with preparation of examination and repair procedures.



SHH/jm

CC: Director, NRC Office of Inspection & Enforcement  
Director, Nuclear Reactor Regulation

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