

WISCONSIN PUBLIC SERVICE CORPORATION

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P.O. Box 1200, Green Bay, Wisconsin 54305

August 7, 1980

Mr. James G. Keppler, Regional Director
Office of Inspection & Enforcement
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Gentlemen:

Docket 50-305
Operating License DPR-43
IE Bulletin No. 79-03A - Longitudinal Weld Defects
in ASME SA-312, Type 304 Stainless Steel Pipe

A review of our records for SA-312 and A-312, type 300 series fusion welded pipe for use in safety related systems has been completed. In this review, we also included all 100% welded fittings and pipe spools as called out by two additional, related standards; thus, all cases of longitudinal welds in 300 series stainless steel pipe or fittings have been evaluated. Our documentation shows that all longitudinal welds were 100% x-rayed and liquid penetrant tested in accordance with codes and techniques developed by our Architect-Engineer to insure full weld penetration.

The data resulting from the above review was then submitted to Fluor Power Services (FPS), our Architect-Engineer, to determine if this piping is subjected to greater than 85% of the maximum allowable code stress at the design temperature. The maximum allowable stresses were obtained from the 1967 edition of ANSI B31.1, Power Piping Code. The results of FPS review indicate that none of the piping exceeds 85% of maximum allowable stress due to design pressure and temperature loading. Their review did reveal one elbow in which the calculated stress due to a design basis earthquake exceeds 85% of the maximum allowable stress; however, the calculated stress is within allowable limits for a faulted condition and, therefore, does not represent a safety concern. The following is the information requested for item 2 of the reference bulletin in regard to this situation:

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System	Internal Containment Spray System
Location	Containment Spray Pump A Discharge
	Piping
Pipe Size	6 inch Schedule 40
Material	A403-WP304
Configuration	90 Degree Elbow
Design Pressure	500 psig
Design Temperature	300°F
Manufacturer	G. W. Taylor Forge

FPS has recommended that a seismic restraint be installed to reduce the seismic stress in the elbow. We have instructed FPS to proceed with the design of this restraint and plan to install the restraint by January 1, 1981.

Very truly yours,

Carl Mathews
for

E. R. Mathews, Vice President
Power Supply & Engineering

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cc - NRC Office of Inspection & Enforcement
Div of Reactor Construction Inspection
Washington, D. C. 20555

Mr. Robert Nelson, NRC Resident Inspector
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