

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
ORIFICE FLANGES NOT
MEETING SPECIFICATIONS
NCR WB-M-79-06, DEFICIENCY 4
10 CFR 50.55(e) FIRST INTERIM REPORT

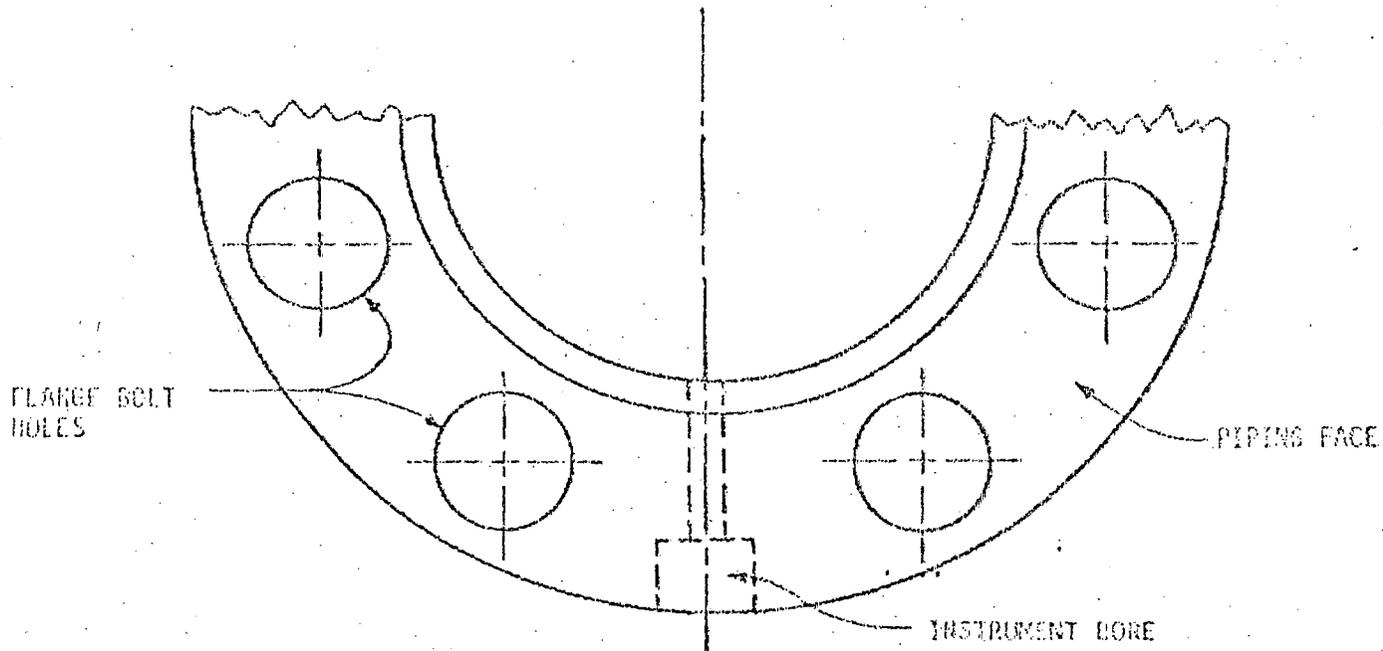
Description of Deficiency

Two orifice flanges with 1.05 inch bore (for instrumentation purposes) were found to leak in the area of the bore during hydrostatic testing of the residual heat removal system. These orifice flanges were manufactured by Afco Company of Long Island City, New York and were supplied by Taylor Forge. In addition, several other flanges have been found in which the metal thickness between the piping face of the flange and the bore does not meet TVA requirements to allow for minimum fillet weld dimension of 0.125 inch on the attaching instrument line socket weld. The attached figure is to provide a clearer explanation of the dimension in question (shown as dimension "D" on the figure). Approximately ten other stored or installed flanges have been examined and found to have the weld dimension condition.

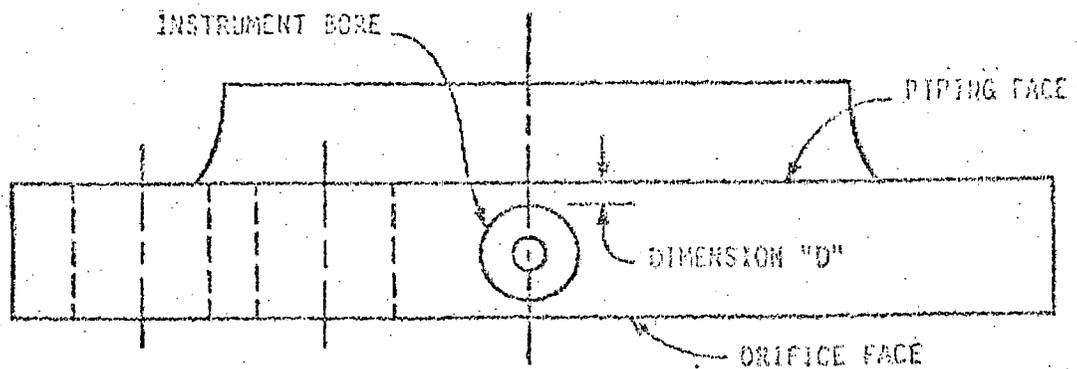
Interim Progress

TVA is investigating the cause of hydro failure of the two RHR system flanges. Preliminary investigations indicate undocumented weld repair was performed by the manufacturer on these two flanges in the area of failure. The cause and possible consequences of the failure to meet TVA fillet weld requirements are also being investigated. Applicability of the nonconformance to other TVA plants is being investigated.

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TOP VIEW



SIDE VIEW