

ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
DEFECTIVE SEAT RING SEAL WELDS ON BORG-WARNER VALVES
NCR 1100
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Condition

Bellefonte construction personnel have identified several Borg-Warner gate valves with seat ring seal welds that would not meet the TVA visual acceptance criteria and the welds exhibit poor workmanship. Borg-Warner has stated that the valves have passed the code required liquid penetrant (PT) and seal leak tests.

There are approximately 400 safety-related Borg-Warner gate valves at the site, ranging in size from 2-1/2 to 24 inches. About 120 of these have been installed.

Corrective Action

TVA and Borg-Warner will establish visual acceptance criteria for the seat ring seal welds. Once this criteria is established, a visual and PT examination of a representative sample of the valves will be made to determine the extent of the problem.

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