

ENCLOSURE

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

Interim Progress

TVA has completed an inspection of a representative sample of 93 Borg-Warner valves at Bellefonte Nuclear Plant. Four of these valves did not meet the visual acceptance criteria. The seat ring seal welds on these four valves were liquid penetrant inspected and were found to have unacceptable indications. TVA and Borg-Warner are continuing to pursue a solution to this problem.