

ENCLOSURE

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

A total of eight valves have been inspected according to the visual acceptance criteria established by TVA and Borg-Warner. All eight valves are acceptable. In addition, four of the welds were dye penetrant tested and were found to be acceptable. TVA is planning to inspect a large number of Borg-Warner valves at the site to ensure that a problem with seat ring seal welds does not exist.