

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNIT 1
INCORRECT BORE IN DRAVO TRANSMITTER BOSS
NCR 1942R
10 CFR 50.55(e)
SECOND INTERIM REPORT

Description of Deficiency

This item is a Dravo piping subassembly which includes bosses welded onto the pipe and bored in readiness for instrument connections. During an inspection of some instrumentation connections, it was discovered that two bosses were incorrectly bored. These bosses were bored to 3/4" inside diameter (id) instead of 3/8" id as specified. There are 38 other similar Dravo subassemblies that have already had instrument connections welded onto them. The extent of the deficiency is now under investigation and will be discussed in the final report.

Since 3/8" id bosses are clearly specified, TVA attributes the cause of this deficiency to a breakdown in Dravo's QA program.

Interim Progress

To date, three more deficient bosses (total of five) have been found out of the 31 inspected. Two are documented on NCR 2011R. They will be corrected by replacing that section of pipe on which it is located. The other one is documented on NCR 2192R. It will be repaired in a manner similar to the original items. A flow restrictor will be installed between the boss and valve on that line. These three bosses are located in the safety injection system. The seven remaining bosses which have not been inspected are located in the reactor coolant system. If any are found to be deficient, they will be evaluated by TVA's Division of Engineering Design and dispositioned on a case-by-case basis.

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