

ENCLOSURE

BELLEFONTE NUCLEAR PLANT
NCR CEB 79-7
TENSILE ANCHOR CAPACITIES LOWER
THAN ASSUMED IN DESIGN ALLOWABLES
FIRST INTERIM REPORT

Description of Deficiency

Progressive cracking of the heat-affected zone of welded stud anchors in flexible plate connections has occurred in TVA general research and development program tests. This results in lower tensile anchor capacities than assumed in establishing design allowables.

Interim Progress

TVA is in the process of testing this particular type of plate connection. A detailed analysis of the testing will be forwarded when all tests have been completed.

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