

November 29, 1984

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-84-93

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region II staff on this date.

FACILITY: Tennessee Valley Authority
Browns Ferry Unit 2
Docket No. 50-260
Athens, Alabama

Licensee Emergency Classification:
 Notification of Unusual Event
 Alert
 Site Area Emergency
 General Emergency
 X Not Applicable

SUBJECT: CRACK INDICATIONS IN REACTOR COOLANT PRESSURE BOUNDARY PIPING

TVA has informed Region II that intergranular stress corrosion cracking has been detected at a recirculation system riser manifold end cap weld. Ultrasonic examination revealed three apparent circumferential cracks -- the most significant of which was about four inches long and 45 percent through wall.

This cracking was detected through examinations performed in accordance with Generic Letter 84-11 during the current refueling outage of Browns Ferry 2. Cracks were found and repaired in this system on Unit 1 during its last refueling outage but none were found for Unit 3.

Two other examples of apparent intergranular stress corrosion cracking were previously identified in Unit 2 during the current outage -- one at a jet pump instrumentation nozzle weld and the other at a reactor water cleanup system weld. Similar jet pump instrumentation nozzle cracking was detected in Unit 3 during its last outage but no reactor water cleanup system weld cracking was detected in that unit. Reactor water cleanup system weld cracking was detected in Unit 1 during its last outage but jet pump instrumentation nozzle weld cracking was not detected for that unit.

Media interest has not occurred. TVA does not plan a news release at this time, but is prepared to respond to inquiries. Region II does not plan a news release.

The State of Alabama has been informed.

The licensee notified Region II (Atlanta) of this occurrence by telephone at 11:00 a.m. (EST) today.

This information is current as of 2:30 p.m. (EST) today.

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