

ENCLOSURE 1

NOTICE OF VIOLATION

Tennessee Valley Authority
Browns Ferry Units 2 and 3

Docket Nos. 50-260 and 50-296
License Nos. DPR-52 and DPR-68

The following violations were identified during an inspection conducted on January 13-17, 1986. The Severity Levels were assigned in accordance with the NRC Enforcement Policy (10 CFR Part 2, Appendix C).

1. 10 CFR 50, Appendix B, Criterion III, requires that measures shall be established to assure that regulatory requirements and design basis for those systems, and components are correctly translated in drawings and procedures. These measures shall assure that appropriate quality standards are specified and included in design documents and that deviations from such standards are controlled. The design control measures shall also provide for verifying or checking the adequacy of design.

Contrary to the above, the requirements identified above had not been met in that an inspection of pipe support and restraint systems revealed the following discrepancies:

- a. Unit 3 Reactor Building Closed Cooling Water (RBCCW) System, isometric drawing NI-370-4R contained six pipe supports. Licensee's representative could not identify any of the design calculations for the above supports or the stress analysis for the piping system. Pipe support drawing 48N1221-2 in the RBCCW system contained nine pipe supports that were classified as seismic restraints. No design calculations for these supports were found for review.
- b. Unit 2 RBCCW System, Support 9-R209, contained an incorrect assumption of shear force calculation for which the total shear force should have been used instead of one-half the shear force. Calculation sheets 12A, 12B, 12C, and 12D were not checked. The overall calculations for the support appears to be less than satisfactory in terms of thoroughness, clarity, consistency, and accuracy.
- c. Portions of the design calculations and sketches were not checked for 28 pipe supports in the Unit 2 RBCCW system. As a result, the adequacy of these supports cannot be assured for safe operation of the plant during a seismic event.

This is a Severity Level IV violation (Supplement I) and is applicable to Units 2 and 3 only.

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2. Appendix B of 10 CFR 50, Criterion XVI, requires that measures shall be established to assure that conditions adverse to quality, such as deficiencies, and nonconformances are promptly identified and corrected.

Contrary to the above, the licensee identified pipe support H17A in the Unit 3 RBCCW system in a nonconforming condition on July 14, 1980, during an IEB 79-14 walkdown inspection. The nonconforming condition described the condition of four anchor bolts: one was found without a nut and two others were found with loose nuts. The corrective action had not been taken at the time of NRC's inspection (1985). There was no document to indicate that this support should have been deleted. The licensee had performed a preliminary stress analysis to include the above support on December 16, 1985.

This is a Severity Level IV violation (Supplement I) and is applicable to Unit 3 only.

Pursuant to 10 CFR 2.201, you are required to submit to this office within 30 days of the date of this Notice, a written statement or explanation in reply, including: (1) admission or denial of the alleged violations; (2) the reasons for the violations if admitted; (3) the corrective steps which have been taken and the results achieved; (4) corrective steps which will be taken to avoid further violations; and (5) the date when full compliance will be achieved.

Security or safeguards information should be submitted as an enclosure to facilitate withholding it from public disclosure as required by 10 CFR 2.790(d) or 10 CFR 73.21.

Date: MAR 04 1986

