

ENCLOSURE 1

NOTICE OF VIOLATION

Tennessee Valley Authority  
Watts Bar Units 1 and 2

Docket Nos. 50-390 and 391  
License Nos. CPPR-91 and CPPR-92

During an NRC inspection conducted April 17 through May 21, 1993, two violations of NRC requirements were identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C, the violations are listed below:

- A. 10 CFR 50, Appendix B, Criterion V, Instructions, Procedures, and Drawings, requires that activities affecting quality shall be prescribed by documented instructions, procedures, or drawings of a type appropriate to the circumstances and shall be accomplished in accordance with these instructions, procedures, or drawings. Instructions, procedures, or drawings shall include appropriate quantitative or qualitative acceptance criteria for determining that important activities have been satisfactorily accomplished.

Nuclear Quality Assurance Plan TVA-NQA-PLN89-A, Revision 3, Section 6.0, required that quality-related activities shall be prescribed by documented procedures and instructions appropriate to the circumstances. Activities shall be accomplished in accordance with these procedures and instructions. Further, these procedures shall receive a documented review for adequacy by a qualified reviewer other than the preparer.

1. TVA General Engineering Specification G-32, Bolt Anchors Set in Hardened Concrete, Revision 16, paragraphs 3.3.5 and 3.3.6, requires that for wedge bolt anchors installed through grouted baseplates that the anchors shall be tightened to the minimum torque value before placement of the plate and that final tightening of the wedge bolt shall be performed after the grout has hardened.

Contrary to the above, TVA General Engineering Specifications G-32 was not implemented in that implementing procedure, MAI-5.1B, Wedge Bolt Installation, Revision 7, did not require that initial tightening of wedge bolts take place prior to placement of plates or grout; rather, paragraphs 6.2.5.G.2.a and 6.2.5.H.2 required wedge bolts to receive final torque after the grout had hardened three days (if flowable grout). This resulted in numerous wedge bolt anchors installed in a manner that was in conflict with General Engineering Specification G-32.

2. Site Standard Practice 12.08, Foreign Material Exclusion, Revision 3, Appendix A, identified the reactor cavity, refueling canal, and reactor vessel as an area that required establishment of foreign material exclusion controls.

Contrary to the above, from approximately March 25, 1993, to May 6, 1993, the reactor vessel was not covered and a foreign material exclusion zone was not established and posted. Further, none of the requirements of Site Standard Practice 12.08 were met or followed. This resulted in a loss of control of material accountability in the reactor vessel and the reactor vessel cavity; these are foreign material control areas.

3. SSP-2.09, Records Management, Revision 7, paragraph 2.6, Releasing Records, requires that records be released by the originating or releasing organization for processing into storage as soon as practical after approval or as agreed to by DCRM.

Contrary to the above, licensee personnel failed to submit several 1990 and 1991 QC receipt inspection reports and modifications self-study training rosters to a secure area as soon as practical after completion. This resulted in the DCRM failure to retrieve requested records during an NRC inspection.

This is a Severity Level IV violation and applies to Unit 1 (Supplement II).

- B. 10 CFR 50, Appendix B, Criteria XVI, Corrective Action, and the accepted TVA Nuclear Quality Assurance Plan, Section 10.2.2, requires measures which assure prompt identification and correction of conditions adverse to quality.

Contrary to the above, measures taken by the licensee did not assure prompt identification and correction of conditions adverse to quality. The deviations identified in problem evaluation reports WBNPER920092 and WBNPER920063 were not properly dispositioned in that the inadequate rollover from one corrective action document to another led to the closure of the equipment seismic qualification calculations for safety related systems without consideration of the identified nonconforming conditions.

This is a Severity Level IV violation (Supplement II).

Pursuant to the provisions of 10 CFR 2.201, Tennessee Valley Authority is hereby required to submit a written statement or explanation to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, D.C. 20555, with a copy to the Regional Administrator, Region II, and a copy to the NRC Resident Inspector, Watts Bar, within 30 days of the date of the letter transmitting this Notice of Violation (Notice). This reply should be clearly marked as a "Reply to a Notice of Violation" and should include for each violation: (1) the reason for the violation, or, if contested, the basis for disputing the violation, (2) the corrective steps that have been taken and the results achieved, (3) the corrective steps that will be taken to avoid further violations, and (4) the date when full compliance will be achieved. If an adequate reply is not received within the time specified in this Notice, an order or demand for information may be issued as to why the license should not

Tennessee Valley Authority  
Watts Bar Units 1 and 2

3

Docket Nos. 50-390, 50-391  
Licensee Nos. CPPR 91, CPPR 92

be modified, suspended, or revoked, or why such other action as may be proper should not be taken. Where good cause is shown, consideration will be given to extending the response time.

Dated at Atlanta, Georgia  
this day of JUN 10 1993