

ENCLOSURE 1

NOTICE OF VIOLATION

Virginia Electric and Power Company  
North Anna Unit 2

Docket No. 50-339  
License No. NPF-7

During an NRC inspection conducted between the period of October 21 through November 17, 1990, 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 (1990), the violations are listed below:

- A. 10 CFR 50, Appendix B, Criterion III, as implemented by Operational Quality Assurance Program Topical Report (VEP 1-5A) section 17.2.3, Design Control, requires that the Nuclear Design Control Program establish procedures to describe the design interface between the Company and the Architect/Engineer and to provide for verifying or checking the adequacy of design such as by the performance of design reviews. The Instruction Manual for Architect/Engineers, Chapter 3.12 and the Nuclear Design Control Manual, Chapters 3.3 and 3.6 collectively require that design verification be conducted to assure that the design meets the specified design inputs and that the engineering has been performed correctly.

Contrary to the above, the design review for DCP 89-33-3, Diesel Generator Undervoltage Start Relay Modification was inadequate in that detailed investigation of the impact of the design change on the test circuits was not conducted, and consequently incorrect logic for the undervoltage relay test circuitry was not identified. This resulted in the loss of the 2J emergency bus on October 28, 1990, during the undervoltage relay test.

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

- B. Technical Specification 6.8.1 requires that written procedures be established, implemented and maintained covering the applicable procedures recommended in Appendix A of Regulatory Guide 1.33, Revision 2, February, 1978. Included in Appendix A of Regulatory Guide 1.33 under Procedures Required for Combating Emergencies and Other Significant Events, is turbine trip.

Contrary to the above, procedures for combating a turbine trip were not available. This contributed to a reactor trip on November 2, 1990 when, following a turbine trip and feedwater isolation, instructions were unavailable to direct operators to reset the feedwater bypass valves while restoring main feedwater to the steam generators.

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

Pursuant to the provisions of 10 CFR 2.201, Virginia Electric and Power Company is hereby required to submit a written statement or explanation to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, D.C.

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20555 with a copy to the Regional Administrator, Region II, and a copy to the NRC Resident Inspector 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 which 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 may be issued to show cause why the license should not 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. Under the authority of Section 182 of the Act, 42 U.S.C. 2232, this response shall be submitted under oath or affirmation.

FOR THE NUCLEAR REGULATORY COMMISSION

*Marvin V. Sinkule*

Marvin V. Sinkule, Chief  
Reactor Projects Branch 2  
Division of Reactor Projects

Dated at Atlanta, Georgia  
this 7th day of December 1990.