

## NOTICE OF VIOLATION

Virginia Electric and Power Company  
North Anna 1 and 2

Docket Nos.: 50-338, 50-339  
License Nos.: NPF-4, NPF-7

During an NRC inspection conducted on November 3 through December 7, 1996, violations of NRC requirements were identified. In accordance with the "General Statement of Policy and Procedures for NRC Enforcement Actions," NUREG-1600, the violations are listed below:

- A. 10 CFR 50, Appendix B, Criterion III, and the licensee's accepted Quality Assurance Program (Updated Final Safety Analysis Report, Section 17.2.3) require the licensee to establish measures to ensure that applicable regulatory requirements for the design basis described in license documents be implemented.

Contrary to the above, although measures were established, they were inadequate. Since early in plant life until May 1996, the licensee failed to ensure that safeguards area walls met the design basis for containing pump seal leakage as described in Updated Final Safety Analysis Report, Section 15.4.1.8. Specifically, a hole existed between the Unit 2 safeguards area and the Unit 2 quench spray area where the design required that the safeguards area be fully separated. Additionally, holes designed to exist between pump cubicles and the safeguards area sump were plugged, where the design required the proper drainage of pump seal leakage.

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

- B. 10 CFR 50, Appendix B, Criterion III, and the licensee's accepted Quality Assurance Program (Updated Final Safety Analysis Report, Section 17.2.3) require that measures shall be established to ensure the design basis are correctly translated into drawings. They also require that measures shall also be established for the review for suitability of application of materials essential to the safety-related functions.

Contrary to the above, although measures were established, they were inadequate. As of November 21, 1996, the design bases were not correctly translated into drawings and reviews for suitability of application of materials were inadequate, in that, the bill-of-material for the replacement Service Water pumps specified one-inch diameter, A307, low strength, non-dynamic loading, bolts for the column flanges and bowls flange connections instead of one-inch diameter, A325, high strength bolts. This resulted in a Unit 2 pump being installed with bolts that did not conform to the applicable code requirements.

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

- C. 10 CFR 50, Appendix B, Criterion V, and the licensee's accepted Quality Assurance Program (Updated Final Safety Analysis Report, Section 17.2.5)

ENCLOSURE 1

require that activities affecting quality shall be accomplished in accordance with documented drawings.

Drawing No. N-96014-3-S-001, Sheet 1, required that the tolerance on the dimensions of anchor bolts for the Component Cooling Water surge tank supports be minus zero inches, plus two inches.

Contrary to the above, as of November 21, 1996, an activity affecting quality was not accomplished in accordance with documented drawings. Actual dimensions of the anchor bolts for the Component Cooling Water surge tank exceeded the specified minus tolerance by one and one-half inches and the plus tolerance by one and one-quarter inches.

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. 20555 with a copy to the Regional Administrator, Region II, and a copy to the NRC Resident Inspector at the facility that is the subject of this Notice, 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. Your response may be reference or include previous docketed correspondence, if the correspondence adequately addresses the required response. 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 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.

Because your response will be placed in the NRC Public Document Room (PDR), to the extent possible, it should not include any personal privacy, proprietary, or safeguards information so that it can be placed in the PDR without redaction. If personal privacy or proprietary information is necessary to provide an acceptable response, then please provide a bracketed copy of your response that identifies the information that should be protected and a redacted copy of your response that deletes such information. If you request withholding of such material, you must specifically identify the portions of your response that you seek to have withheld and provide in detail the bases for your claim of withholding (e.g., explain why the disclosure of information will create an unwarranted invasion of personal privacy or provide the information required by 10 CFR 2.790(b) to support a request for withholding confidential commercial or financial information). If safeguards information is necessary to provide an acceptable response, please provide the level of protection described in 10 CFR 73.21.

Dated at Atlanta, Georgia  
this 6 day of January, 1997