

ENCLOSURE 1

NOTICE OF VIOLATION

Duke Power Company  
McGuire Unit 1

Docket No. 50-369  
License No. NPF-9

During the Nuclear Regulatory Commission (NRC) inspection conducted on November 21, 1987 - January 20, 1988, a violation of NRC requirements was identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C (1987), the violation is identified below:

10 CFR 50, Appendix B, Criterion V, 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.

Technical Specification (TS) 6.8.1 requires that written procedures be established, implemented, and maintained covering the operation and maintenance of safety related plant equipment.

Contrary to the above:

1. On December 28, 1987 an error on a plant electrical drawing led to an actuation of the Reactor Protection System, causing a reactor trip. While performing monthly surveillance test, PT/1/A/4601/02, Protective System Channel 2 Functional Test, a drawing error on schematic diagram MCM 1399.03-0368 001 caused licensee personnel conducting the test on Channel 2 of narrow range steam generator level instrumentation to make an adjustment in channel 4 which together with the existing signal in channel 2 caused the reactor trip.
2. On December 28, 1987 licensee personnel failed to follow a procedure step causing an actuation of the Reactor Protection System. While performing periodic test PT/0/A/4600/14C, Nuclear Instrumentation System Source Range Functional Test, licensee personnel elected to manipulate a test switch in the Solid State Protection System without meeting the conditions for doing so as specified in the procedure. This resulted in a reactor trip.

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

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PDR ADOCK 05000369  
Q PDR

Pursuant to the provisions of 10 CFR 2.201, Duke Power Company is hereby required to submit a written statement or explanation to the Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555, with a copy to the Regional Administrator, Region II, and a copy to the NRC Resident Inspector, McGuire, within 30 days of the date of the letter transmitting this Notice. This reply should be clearly marked as a "Reply to a Notice of Violation" and should include: (1) admission or denial of the violation, (2) the reason for the violation if admitted, (3) the corrective steps which have been taken and the results achieved, (4) the corrective steps which will be taken to avoid further violations, and (5) the date when full compliance will be achieved. Where good cause is shown, consideration will be given to extending the response time. 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.

FOR THE NUCLEAR REGULATORY COMMISSION

ORIGINAL SIGNED BY  
VIRGIL L. BROWNLEE

Virgil L. Brownlee, Chief  
Reactor Projects Branch 3  
Division of Reactor Projects

Dated at Atlanta, Georgia  
this 7<sup>th</sup> day of February 1988