

ENCLOSURE 1

NOTICE OF VIOLATION

Florida Power and Light Company  
Turkey Point Units 3 and 4

Docket Nos. 50-250, 50-251  
License Nos. DPR-31, DPR-41

During the NRC inspection conducted on December 23, 1989 through January 26, 1990, two violations of NRC requirements were identified. The violations involved (1) a failure to meet the requirements of 10 CFR 50, Appendix B, which resulted in a non-conformance report (NCR) being closed out without the required actions being completed and (2) failure to take corrective action for main steam isolation valve (MSIV) terminal block corrosion. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C (1989), the violations are listed below:

- A. 10 CFR 50, Appendix B, Criterion XV, as implemented by the approved Florida Power and Light Topical Quality Assurance Report (FPLTQAR) 1-76A, Revision 13, Topical Quality Requirement (TQR) 15.0, Revision 6, required that nonconforming items be reviewed and accepted, rejected, repaired or reworked in accordance with documented procedures. Furthermore, measures must be established to control materials, parts, or components which do not conform to requirements in order to prevent their inadvertent use or installation. Quality Procedure (QP) 15.2, Revision 3, required the cognizant QC organization to review and document that specified corrective actions contained in NCRs are completed. QP 15.2 also required that items identified as discrepant be controlled to ensure the items are not inadvertently installed or operated.

Contrary to the above, site QC documented closure of NCR 86-421 on May 2, 1988, without properly verifying that defective Peerless-Winsmith Motor Operated Valve (MOV) DC Motors were returned to the vendor for lead wire repair. Additionally, two spare motors remained in the warehouse without adequate controls to preclude inadvertent use.

This is a Severity Level IV Violation (Supplement 1).

- B. 10 CFR 50, Appendix B, Criterion XVI, as implemented by the approved FPLQAR 1-76A, revision 15, TQR 16.0, Revision 5, required that in the case of significant conditions adverse to quality, the cause of the condition shall be determined and action taken to preclude repetition. QP 16.1, Revision 9, required each organization establish a system to followup and assure completion of corrective action resulting from their respective department's audits, inspections, surveillances, tests or operations. QP 2.17, Revision 1, required the cause of failure for any Environmental Qualification (EQ)



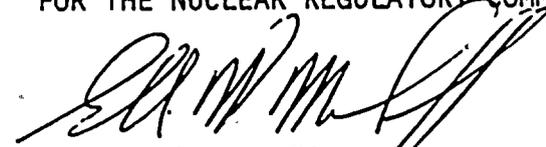
component be documented, and it needed to be determined if the cause was related to a service environment failure mode or not. Additionally, EQ DOC Pac-13.1 specified the life of the EB25 terminal boards as being 40 years in its service environment.

Contrary to the above, terminal block corrosion was identified on the Unit 3 MSIV platform in November 1988 on NCR 88-214. The corroded terminal blocks were replaced and the corrosion was analyzed by an offsite laboratory as specified in the NCR disposition. However, no actions to prevent recurrence were taken. Subsequently, Unit 4 experienced a reactor trip on December 23, 1989, which was caused by the 4A MSIV closing. The closure of the 4A MSIV was attributed to terminal block corrosion leading to a short circuit between contacts, blowing a control power fuse. Additionally, the 40-year specified life of the terminal blocks was not met since the boards were installed for approximately one year before failure.

This is a Severity Level IV violation (Supplement 1).

Pursuant to the provisions of 10 CFR 2.201, Florida Power and Light 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, 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 for each violation: (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

  
For Luis A. Reyes, Director  
Division of Reactor Projects

Dated at Atlanta, Georgia  
this 15<sup>TH</sup> day of February 1990

