



Carolina Power & Light Company

P. O. Box 101, New Hill, N. C. 27562  
March 16, 1984

Mr. James P. O'Reilly  
United States Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Northwest (Suite 2900)  
Atlanta, Georgia 30303

NRC-194

Dear Mr. O'Reilly:

In reference to your letter of February 17, 1984, referring to RII: WPA 50-400/84-02, the attached is Carolina Power and Light Company's reply to the violation identified in Appendix A.

It is considered that the corrective action taken and planned is satisfactory for resolution of the item.

Thank you for your consideration in this matter.

Yours very truly,

R. M. Parsons  
Project General Manager  
Shearon Harris Nuclear Power Plant

RMP/sh

Attachment

cc: Messrs. G. Maxwell/R. Prevatte (NRC-SHNPP)  
Mr. B. C. Buckley (NRC)

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PDR ADDCK 05000400  
Q PDR

**Reported Violation:**

10 CFR 50 Appendix B, Criterion X, as implemented by CP&L PSAR Section 1.8.5.10 requires that inspection of activities affecting quality shall be executed to verify conformance with documented instructions, procedures or drawings. Westinghouse drawing 583F829 requires the installation of anchor bolts and nuts on the reactor vessel nozzle supports. Construction inspection records dated March 30, 1980, verified satisfactory installation and inspection of the 145% azimuth RV support in accordance with Technical Procedure 28, Revision 1.

Contrary to the above, TP-28, Revision 1 and the inspection performed was inadequate because:

- a. TP-28, Revision 1, did not require verification of proper installation and tightening of anchor bolt fasteners.
- b. On August 25, 1983, one anchor bolt nut was not installed and one anchor bolt nut could be turned by hand on the 145% azimuth reactor vessel nozzle support.

This is a Severity Level IV (Supplement II).

**Denial or Admission and Reason for the Violation:**

The violation is correct as stated.

The process control for complete installation and inspection of the Reactor Vessel Supports was incomplete. Procedures WP-119, Reactor Vessel Setting, and TP-28, Inspection of Equipment for Setting and Grouting, inadvertently failed to address post-grouting activities (e.g., final bolting and bolting inspection).

**Corrective Steps Taken and Results Achieved:**

Procedure TP-28, Revision 3, which incorporated inspection of tightness of connections and fastenings, was issued September 23, 1980. The procedure title was changed at that time to "Inspection of Equipment Installation".

As a process control measure, an Exhibit 12 to procedure WP-105, Installation and Inspection of Equipment, has been prepared for accomplishment of the necessary work and inspection points for the Reactor Vessel Supports. The process will be completed in accordance with WP-105 and TP-28 by May 1, 1984.

**Corrective Steps Taken to Avoid Further Noncompliance:**

A review of existing special procedures (such as WP-119) for installation of major equipment items is being performed to ensure that they are adequate. The review of these procedures, and the issue of revisions as necessary, will be completed by May 1, 1984. Procedures WP-105 and TP-28, through long usage and seasoning, have stabilized the equipment installation program and will enhance the identification of inadequacies that might occur in special procedure situations in the future.

**Date When Full Compliance Will Be Achieved:**

Full compliance will be achieved by May 1, 1984.