



Carolina Power & Light Company

P. O. Box 101
New Hill, North Carolina 27562
April 11, 1985

Dr. J. Nelson Grace
United States Nuclear Regulatory Commission
Region II
101 Marietta Street, Northwest (Suite 2900)
Atlanta, Georgia 30323

NRC-339

Dear Dr. Grace:

In reference to your letter of March 12, 1985, referring to RII: GFM/RLP 50-400/85-04-02, the attached is Carolina Power & Light Company's reply to the violation identified in Enclosure 1.

It is considered that the corrective action taken/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
Completion Assurance
Shearon Harris Nuclear Power Plant

RMP/sae

Attachment

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

8505210502-3pp.



Dr. J. Nelson Grace

NRC-339

bcc: Mr. H. R. Banks
Mr. T. A. Baxter (Shaw, Pittman, Potts & Trowbridge)
Mr. C. S. Bohanan
Mr. H. W. Bowles
Mr. C. Carmichael (2)
Mr. N J. Chiangi
Mr. A. B. Cutter
Dr. T. S. Elleman
Ms. S. F. Flynn
Mr. G. L. Forehand
Mr. J. F. Garibaldi (Ebasco)
Mr. J. L. Harness
Mr. P. C. Hopkins
Dr. J. D. E. Jeffries
Mr. I. A. Johnson
Mr. L. I. Loflin
Mr. R. E. Lumsden
Mr. R. L. Mayton, Jr.
Mr. S. McManus
Mr. C. H. Moseley, Jr.
Mr. D. L. Nordstrom (LIS)
Mr. R. M. Parsons
Mr. G. A. Sindors
Mr. M. Shannon (Westinghouse)
Mr. Sheldon D. Smith
Mr. M. F. Thompson
Mr. A. C. Tollison
Mr. E. J. Wagner
Mr. R. A. Watson
Mr. J. L. Willis
File: HI/A-2D
File: H-X-0544

Reported Violation:

10 CFR 50.55(f)(1) requires CP&L to implement the quality assurance program described or referenced in the Preliminary Safety Analysis Report. Section 1.8.5.3 of the PSAR (versus the Quality Assurance Program, as stated in the Notice of Violation) requires that measures be established and implemented for the selection and review for suitability of application of materials, parts, and equipment that are essential to the safety-related functions.

Contrary to the above, on January 28, 1985, the inspector identified an undersized electrical cable in DC panel DP-1ASA. This cable (No. 10321A-SA) was a two-conductor #10 AWG that has a maximum ampere rating of 24 amps. It was protected by a 100-ampere circuit breaker and supplied power to Auxiliary Transfer Panel 1A-SA which had a loading of approximately 100 amps. This cable had been installed and inspected in accordance with approved design documents and this unsatisfactory condition had not been identified.

This is a Severity Level V violation (Supplement II).

Denial or Admission and Reason for the Violation:

The violation is correct as stated.

As complete information on load was unknown, an arbitrary size was chosen by HPES Electrical and was input into the cable routing system in order to assure an adequate route was available for the subject cable. The cable card was inadvertently released to the field prior to final verification.

Corrective Steps Taken and Results Achieved:

The subject #10 AWG conductor was replaced with a #2 AWG conductor per Field Change Request (FCR-E-4052).

Corrective Steps Taken to Avoid Further Noncompliance:

Administrative instructions have been issued to HPES Electrical personnel to ensure closer monitoring and control of cable sized by HPES. In addition, a formal guideline procedure to place adequate control and verification requirements on cable sized by HPES is scheduled for issuance by April 30, 1985.

Date When Full Compliance Will Be Achieved:

It is currently projected that full compliance will be achieved by April 30, 1985.