

P. O. Box 101
New Hill, North Carolina 27562
July 19, 1985

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

NRC-378

Dear Dr. Grace:

In reference to your letter of March 12, 1985, referring to RII: GFM/RLP 50-400/85-04-02, CP&L submitted a response on April 11, 1985, stating the actions taken and planned for resolution of the referenced violation identified in Enclosure 1. In order to more completely address the corrective actions taken, the attached is Carolina Power & Light Company's revised response to the referenced violation. This letter supercedes our April 11, 1985, response.

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

Thank you for your consideration in this matter.

Yours very truly,

RAWatson

R. A. Watson
Vice President
Shearon Harris Nuclear Power Plant

RAW:sae

Attachment

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

~~8508120308~~ 3PP

bcc: Mr. H. R. Banks
Mr. T. A. Baxter (Shaw, Pittman, Potts & Trowbridge)
Mr. C. S. Bohanon
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. G. A. Meyer
Mr. C. H. Moseley, Jr.
Mr. D. L. Nordstrom (LIS)
Mr. R. M. Parsons
Mr. G. A. Sinders
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. 10821A-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). A review has been conducted by Ebasco using the latest issue of the power distribution and motor data sheets (Drawing CAR 2166-B-04i) to assure safety related cable sizes are suitable for the breaker rating.

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 design guideline has now been issued which requires that cable size be verified based on the feeder breaker rating, connected load, and circuit length, before cable routes and sizes can be released by HPES.

Date When Full Compliance Was Achieved:

Full compliance was achieved on June 14, 1985.