CP&L

Carolina Power & Light Company

APR 01 1985 85 APR 4 A9:11 SERIAL: NLS-85-093

Dr. J. Nelson Grace, Regional Administrator
United States Nuclear Regulatory Commission
Suite 2900
101 Marietta Street, NW
Atlanta, GA 30303

SHEARON HARRIS NUCLEAR POWER PLANT
UNIT NO. 1 - DOCKET NO. 50-400
SUPPLEMENTAL RESPONSE TO IEB 84-02,
HFA RELAYS IN SAFETY-RELATED SYSTEMS

Dear Dr. Grace:

SUMMARY

Carolina Power & Light Company (CP&L) hereby submits the results of its investigation of the general concerns of Inspection and Enforcement Bulletin (IEB) 84-02 at the Shearon Harris Nuclear Power Plant (SHNPP).

BACKGROUND

By letter dated July 13, 1984, CP&L responded to IEB 84-02 indicating that the diesel generator control board panel contained four HFA-51 relays which would be replaced. We also stated that we were investigating the general concerns of the Bulletin including as they related to IE Notice 84-20 and would report the results of those investigations at a later date.

The Company later reported in a November 30, 1984 letter, that the four relays discussed in our first response were actually qualified GE-type HFA-151 Century series. We also identified six GE-type HFA relays in non-safety related systems.

DISCUSSION

We have investigated the general concerns of the Bulletin by contacting vendors of safety related equipment used at SHNPP and selected relay manufacturers. Lexan or nylon materials have been identified in some of the relays used in safety related equipment. However, the relays which have been identified as containing these materials either have been qualified or the materials are present in a part of the relay other than the coil bobbin. In either case, our investigation into the past operating history of these relays did not identify recurrent problems similar to the failures described in the Bulletin.

In regards to IE Notice 84-20, documentation of our evaluation will be placed in the IEN records at SHNPP when completed.

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CONCLUSION

Based on our investigation of the general concerns of IEB 84-02, we have concluded that the failures described should not be experienced at SHNPP. No additional corrective actions are required in response to this Bulletin.

As requested, there is approximately 600 man-hours in preparing this response. This estimate includes that previously reported in our November 30, 1984 letter.

If you have any questions concerning this response, please contact Mr. Sherwood Zimmerman at (919) 836-6242.

Yours very truly,

A. B. Cutter - Vice President
Nuclear Engineering & Licensing

CGL/pgp (1290CGL)

cc: Mr. B. C. Buckley (NRC)
Mr. G. F. Maxwell (NRC-SHNPP)
Mr. Travis Payne (KUDZU)
Mr. Daniel F. Read (CHANGE/ELP)
Wake County Public Library
Mr. Wells Eddleman
Mr. John D. Runkle
Dr. Richard D. Wilson
Mr. G. O. Bright (ASLB)
Dr. J. H. Carpenter (ASLB)
Mr. J. L. Kelley (ASLB)

A. B. Cutter, having been first duly sworn, did depose and say that the information contained herein is true and correct to the best of his information, knowledge and belief; and the sources of his information are officers, employees, contractors, and agents of Carolina Power & Light Company.

Ruby R. Morgan
Notary (Seal)

My commission expires: 11/27/89