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FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
AUTH. NAME AUTHOR AFFILIATION
MCDUFFIE, M. A. Carolina Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION
DENTON, H. R. Office of Nuclear Reactor Regulation, Director (post 851125
GRACE, J. N. Region 2, Office of Director

SUBJECT: Requests issuance of 40-yr OL on 861010 based on completion of design const & preoperational testing consistent w/FSAR & supporting documents. Safety-related updates to FSAR made through SAR amend process through Amend 37.

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TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES: Application for permit renewal filed. 05000400

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CP&L

Carolina Power & Light Company

P. O. Box 1551 • Raleigh, N. C. 27602

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OCT 3 1986

M. A. McDUFFIE
Senior Vice President
Nuclear Generation

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, DC 20555

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
FACILITY COMPLETION LETTER

REFERENCE:
1. CP&L Letter dated August 1, 1986 (NLS-86-249) from Mr. R. A. Watson (CP&L) to Dr. J. Nelson Grace (NRC).
2. CP&L Letter dated September 29, 1986 (NLS-86-359) from Mr. R. A. Watson (CP&L) to Dr. J. Nelson Grace (NRC) and Mr. H. R. Denton (NRC)

Dear Sirs:

Carolina Power & Light Company (CP&L), an applicant for an operating license for the Shearon Harris Nuclear Power Plant (SHNPP), wishes to advise you that the design, construction, and preoperational testing at SHNPP are essentially complete as described in the reference letters. These activities have been or will be completed in accordance with representations and descriptions contained in the Final Safety Analysis Report (FSAR) and supporting documents. We expect the plant and the operating organization to be operationally ready for receipt of a license on October 10, 1986. Fuel loading of the unit will be conducted in accordance with the Technical Specifications and the FSAR. To the best of our knowledge, known safety-related changes necessary to update the FSAR to current status have been made through the SAR amendment process up to and including Amendment No. 37. However, 10 CFR 50.71(e) recognizes that the FSAR is a living document subject to periodic updating to conform the plant description set forth therein to its actual status at any point in time. Further FSAR changes will be handled in accordance with 10 CFR 50.59.

CP&L has in place detailed tracking systems in use at SHNPP to identify and track completion of outstanding construction items, required hardware modifications, and test exceptions disclosed during preoperational testing and inspections. Entries are reviewed and classified so as to identify restraints to plant operational modes. Outstanding items

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currently on the tracking systems are typical of an operating plant in both scope and number. Items classified as restraints to fuel load will be closed or dispositioned prior to commencement of fuel load. Similarly, items classified as restraints to any of Operational Modes 5 through 1 will be closed or dispositioned before operation in such mode is commenced.

To the best of my knowledge, the foregoing addresses the remaining activities and items which bear upon your issuance of an operating license for SHNPP. Accordingly, we request that a 40-year operating license be issued on October 10, 1986.

Yours very truly,

M. A. McDuffie

GAS/pgp (4033GAS)

cc: Mr. B. C. Buckley (NRC)
Mr. G. F. Maxwell (NRC-SHNPP)
Mr. L. S. Rubenstein (NRC)