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 CUTTER, A.B. Carolina Power & Light Co.
 RECIP. NAME: RECIPIENT AFFILIATION
 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards Amend 14 to FSAR, incorporating info responding to draft SER open items from listed NRC branches & changes responding to listed SER (NUREG-1039) confirmatory items.

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Carolina Power & Light Company

SERIAL: NLS-84-233

JUN 13 1984

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

SHEARON HARRIS NUCLEAR POWER PLANT
UNIT NO. 1 - DOCKET NO. 50-400
FINAL SAFETY ANALYSIS REPORT
AMENDMENT NO. 14

Dear Mr. Denton:

Carolina Power & Light Company (CP&L) hereby transmits three (3) originals and sixty (60) copies of Amendment No. 14 to the Shearon Harris Nuclear Power Plant (SHNPP) Final Safety Analysis Report (FSAR). This amendment incorporates information submitted in response to Draft Safety Evaluation Report (DSER) open items from the following Nuclear Regulatory Commission branches:

- Accident Evaluation Branch
- Auxiliary Systems Branch
- Chemical Engineering Branch
- Core Performance Branch
- Containment Systems Branch
- Environmental and Hydrologic Engineering Branch
- Emergency Planning Branch
- Equipment Qualification Branch
- Geosciences Branch
- Human Factors Engineering Branch
- Licensing Qualification Branch
- Procedures and Systems Review Branch
- Quality Assurance Branch
- Radiological Assessment Branch
- Reactor Systems Branch
- Siting Analysis Branch
- Structural Engineering Branch
- Structural and Geotechnical Engineering Branch

This amendment also incorporates changes in response to SHNPP Safety Evaluation Report (NUREG-1039) confirmatory items. They are as follows:

- FSAR Table 3.2.1-1 has been revised with respect to the classification of the pressure-retaining components (Confirmatory Item 2), and to containment penetrations (Confirmatory Item 13).
- FSAR Section 9.5.4.4 has been revised to include details of the pressure differential alarms (Confirmatory Item 22).

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- FSAR Sections 14.2.12.1.34 and 14.2.12.2.32 have been revised to describe the auxiliary feedwater system pumps endurance test (Confirmatory Item 32).

A new Appendix B (DSER Open Items Index) has been added to cross reference DSER open items with the amended FSAR sections.

Carolina Power & Light Company will submit an amendment in the near future to incorporate information submitted in response to DSER open items from the following NRC branches:


- Instrumentation and Control Systems Branch
- Mechanical Engineering Branch
- Meteorological and Effluents Treatment Branch
- Materials Engineering Branch
- Power Systems Branch

Each revised page bears the amendment number. Only those changes which are technical in nature are indicated by vertical bars. Instructions for entering the revised pages are included.

As required by Commission Regulations, this amendment is signed under oath by a duly authorized officer of CP&L.

Should you have any questions regarding this amendment, please contact Mr. Pedro Salas (919) 836-8015.

Yours very truly,


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

PS/ccc (154PSA)

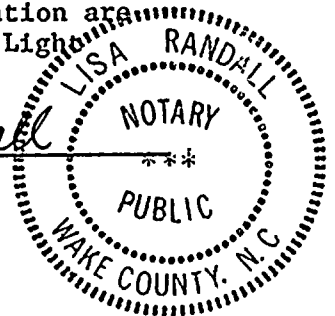
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A. B. Cutter, having been first duly sworn, did depose and say that the information contained herein is true and correct to the best of his information, knowledge and belief; and the sources of his information are officers, employees, contractors,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

My commission expires: 5/18/88


Notary (Seal)





CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400
FINAL SAFETY ANALYSIS REPORT - AMENDMENT NO. 14
INSTRUCTION SHEET

This amendment contains additional or revised technical information and editorial changes in the form of replacement pages for the SHNPP FSAR. Each revised page bears the notation "Amendment No. 14" at the page bottom. Vertical bars with the number "14" beside them have been placed in the margins of revised pages to indicate the location of technical revisions on the page.

Since many SHNPP FSAR pages are printed double-sided, the replacement pages in this amendment may consist of original information on one side of the page and revised information on the other side. Reference to the amendment identification number in the lower right corner of the page will enable the user to determine the amendment status of the page (whether it is original or revised material). Unchanged material located on the reverse side of a revised page will not contain an amendment identification number or amendment bars.

The following page removals and insertions should be made to incorporate Amendment No. 14 into the FSAR:

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