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 RECIP. NAME RECIPIENT AFFILIATION  
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards Amend 5 to environ rept. *revised by Pam 12/28/82*

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Carolina Power & Light Company

December 15, 1982

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

SHEARON HARRIS NUCLEAR POWER PLANT  
UNIT NOS. 1 AND 2  
DOCKET NOS. 50-400 AND 50-401  
ENVIRONMENTAL REPORT AMENDMENT NO. 5

Dear Mr. Denton:

Carolina Power & Light Company (CP&L) hereby transmits three (3) originals and forty-one (41) copies of Amendment No. 5 to the Shearon Harris Nuclear Power Plant Environmental Report (ER). Amendment No. 5 consists of new or revised technical information and editorial changes. A summary is included as Attachment 1. Each revised page bears the amendment number. Changes in technical material have been indicated by placement of a vertical bar in the margin of the affected page adjacent to the change. Instructions for entering the revised pages in the ER are included.

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

Yours very truly,

M. A. McDuffie  
Senior Vice President  
Engineering & Construction

LJW/pgp (5520P1T2)  
Attachment

- |                                 |   |
|---------------------------------|---|
| cc: Mr. N. Prasad Kadambi (NRC) | Mr. Wells Eddleman (w/o attachment)     |
| Mr. G. F. Maxwell (NRC-SHNPP)   | Dr. Phyllis Lotchin (w/o attachment)    |
| Mr. J. P. O'Reilly (NRC-RII)    | Ms. Patricia T. Newman (w/o attachment) |
| Mr. Daniel F. Read (CHANGE/ELP) | Mr. John D. Runkle (w/o attachment)     |
| Mr. Travis Payne (KUDZU)        | Dr. Richard D. Wilson (w/o attachment)  |
| Chapel Hill Public Library      |   |
| Wake County Public Library      |   |

Sworn to and subscribed before me this 15th day of December, 1982

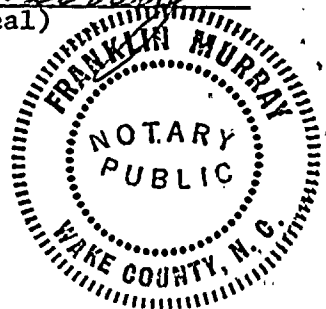
Notary (Seal)

My commission expires: OCT 04 1986

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ATTACHMENT 1

SUMMARY OF MAJOR REVISIONS IN AMENDMENT NO 5

1. Chapter 2                      Typographic errors. Editorial changes to clarify meaning. Addition of information on sedimentation in Main Reservoir due to Cape Fear River makeup.
  
2. Chapter 3 and Appendix A            Deletion of redundant design information on radwaste systems. This information is already provided in detail in SHNPP FSAR. Appropriate references to the SHNPP FSAR have been included. Minor revisions in technical content as indicated.
  
3. Chapters 8, 9, and 11        Revisions to cost/benefit analysis. New analysis addresses operating cost and benefits of SHNPP only. These changes are in response to the Commission's amendments to 10 CFR Part 51, effective April 26, 1982, which provided that "need for power" and "alternative energy sources" need not be considered in operating license proceedings for nuclear power plants. 47 Fed. Reg. 12940 (March 26, 1982). Revisions incorporate commitments discussed in "Applicants Response to Supplement to Petition to Intervene by Wells Eddleman," June 15, 1982.

Appendix B

Final NPDES Permit

Other revisions include corrections of typographical errors and minor technical or editorial changes as indicated.

(5867C5T1)

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