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 AUTH. NAME AUTHOR AFFILIATION
 CUTTER, A. B. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director (post 851125)

Rec'd. 9/10/86 m.m.

SUBJECT: Forwards Amend 30 to FSAR for Shearon Harris Nuclear Power Plant. Justification for rev to Chapters 1, 2, 3, 7, 8, 9 & 13 encl.

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Carolina Power & Light Company

AUG 25 1986

SERIAL: NLS-86-247

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
FSAR AMENDMENT NO. 30

Dear Mr. Denton:

Carolina Power & Light Company (CP&L) hereby submits Amendment No. 30 to the Shearon Harris Nuclear Power Plant (SHNPP) Final Safety Analysis Report (FSAR). This amendment includes revisions to FSAR Chapters 1, 2, 3, 7, 8, 9, and 13. The attachment provides justification for these revisions.

Each revised page bears the amendment number, and technical changes are indicated by vertical bars in the page margin. Instruction for entering the revised pages are included.

If you have any questions regarding this amendment, please contact me.

Yours very truly,

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

ABC/GB/vaw (3997JDK)

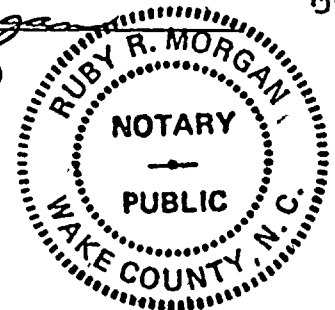
Attachment

cc: Mr. B. C. Buckley (NRC)
Mr. G. F. Maxwell (NRC-SHNPP)
Dr. J. Nelson Grace (NRC-RII)
Wake County Public Library

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.

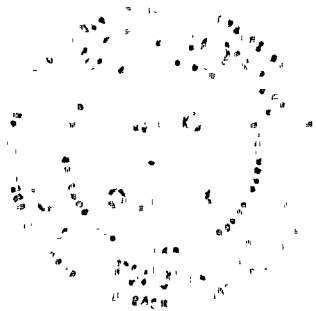
Notary (Seal)

My commission expires: 11/27/89



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PDR ADOCK 05000400
K PDR

...le Street • P. O. Box 1551 • Raleigh, N. C. 27602



ATTACHMENT

FSAR SECTION

JUSTIFICATION

- | | |
|---------------|--|
| 1.2.2 | A revision is made to include Hafnium as absorber rod material in order to reflect the most current design. |
| 1.3.1 | Table 1.3.1-1, Design Comparison with Similar Facilities, is revised to incorporate the most accurate values and to correct typographical errors. |
| 2.4.14 | Technical Specification and Emergency Operation Requirements are revised to provide consistency with Final Draft Technical Specifications. |
| 3.8 Reference | ACI 349-1980 is referenced to provide specific inclusion of standards for steel embedments in the FSAR. |
| 3.9 Reference | The supplemental report to "Analysis of Pressurizer Power Operated Relief Valve and Safety Valve Discharge Piping" submitted to the NRC via NLS-86-197 is included in the reference to incorporate additional test findings. |
| 3.11.1 | Notes to Figure 3.11.1-2 are revised to reflect that the Component Evaluation Sheet (CES) Number is no longer a unique equipment tag number. |
| 7.3.1 | The description of the Steam Generator Available Signal (SGAS) function is revised to reflect the latest design and provide consistency with the latest drawing. These changes were previously submitted in draft form via NLS-86-177. |
| 7.3.1 | Figures are revised to reflect latest revisions to the engineering drawings. |
| 7.3.2. | A revision is made to correct a typographical error. |
| 7.5.1 | Table 7.5.1 is revised to clarify that instrument accuracy values are based on design. |

- 7.7.1 Figure 7.7.1-1 title block is revised to reflect the proper title.
- 8.1.3 Table 8.1.3-1, Safety Related Equipment Identification, is revised to incorporate the most recent design data.
- 8.3.1 The description of the standby power source monitor is revised to include switchyard breaker position and transformer lockout relays.
- 8.3.1 Value for diesel generator speed is revised to correct a typographical error.
- 8.3.1 Table 8.3.1-10, Minimum Separation Distances, is revised to include further justification for separation configurations.
- 9.3.2 Revisions are made to reflect rerouting of the drain line to the Equipment Drain Transfer Tank.
- 9.4.0 Table 9.4.0-2 and Figure 9.4.0-2 are revised to include release point 11B and 0.A. Intake 11C.
- 13.2.1 Revisions are made to reflect flexibility in class scheduling via changes in class lengths. Plant Operations Manual terminology is incorporated into list of plant systems covered in cold license training.
- 13.2.2 A revision is made to correct a typographical error.



Carolina Power & Light Company

AUG 25 1986

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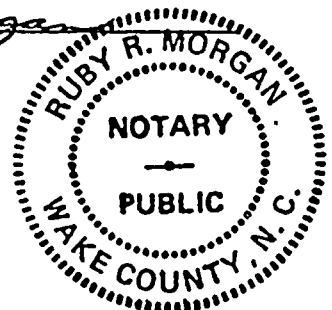
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