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 FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400  
 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)

SUBJECT: Forwards Amend 28 to FSAR, consisting of revised small-break  
 LOCA analysis conducted using Westinghouse NOTRUMP computer  
 code. Analysis performed per NUREG-0737, Item II. K. 3. 31.

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

NOTES: Application for permit renewal filed. 05000400

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	PWR-A PSB	1 1	PWR-A RSB	1 1
INTERNAL:	ADM/LFMB	1 0	ELD/HDS1	1 0
	IE FILE	1 1	IE/DEPER/EPB 36	1 1
	IE/DGAVT/GAB 21	1 1	NRR BWR ADTS	1 0
	NRR PWR-B ADTS	1 0	NRR ROE, M. L	1 1
	NRR/DHFT/MTB	1 1	<del>REG FILE</del> 04	1 1
	RGNZ	3 3	RM/DDAMI/MIB	1 0
EXTERNAL:	BNL (AMDTs ONLY)	1 1	DMB/DSS (AMDTs)	1 1
	LPDR 03	1 1	NRC PDR 02	1 1
	NSIC 05	1 1	PNL GRUEL, R	1 1



[The page contains extremely faint and illegible text, likely bleed-through from the reverse side of the document. The text is scattered across the page and does not form any recognizable words or sentences.]



Carolina Power & Light Company  
JUN 20 1986

SERIAL: NLS-86-196

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. 28

Dear Mr. Denton:

Carolina Power & Light Company (CP&L) hereby transmits Amendment No. 28 to the Shearon Harris Nuclear Power Plant (SHNPP) Final Safety Analysis Report (FSAR). This amendment provides FSAR changes to reflect the revised SHNPP small break loss of coolant accident (SBLOCA) analysis. This revised SBLOCA analysis was conducted using the Westinghouse NOTRUMP computer code. This reanalysis was performed in accordance with CP&L's commitments to NUREG-0737 Item II.K.3.31.

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

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

Yours very truly,

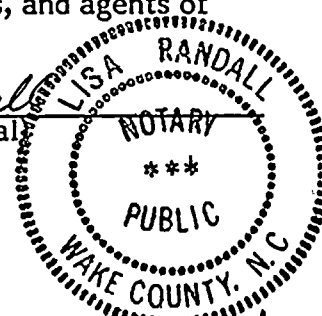
A. B. Cutter - Vice President  
Nuclear Engineering & Licensing

ABC/JHE/mf (3943JDK)  
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: 5-18-88

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PDR ADOCK 05000400  
K PDR

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

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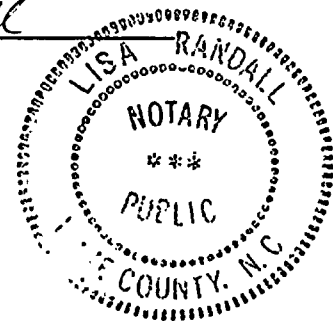
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*Lisa M. Randall*  
Notary (Seal)

My commission expires: 5-18-88





CAROLINA POWER & LIGHT COMPANY  
 SHEARON HARRIS NUCLEAR POWER PLANT  
 DOCKET NO. 50-400  
 FINAL SAFETY ANALYSIS REPORT - AMENDMENT NO. 28  
 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. 28" at the page bottom. Vertical bars with the number "28" 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.

50-400 SHEARON HARRIS

The following page removals and insertions should be made to incorporate Amendment No. 28 into the FSAR:

etc etc. 6/20/86

Supersedes Per Revision to Amend 28  
 INSERT  
REPLACEMENT PAGES TO FSAR

REMOVE  
 EXISTING PAGES

EFFECTIVE PAGE LIST:

EPL-99 / EPL-100  
 EPL-112 / EPL-113  
 EPL-116 / EPL-117 through  
 EPL-119 / EPL-120

CHAPTER 10

10.4.9-1 / 10.4.9-2

CHAPTER 15

15-xiv / 15-xv  
 15-xxv / 15-xxvi  
 15-xxvii

EFFECTIVE PAGE LIST:

EPL-99 / EPL-100  
 EPL-112 / EPL-113  
 EPL-116 / EPL-117 through  
 EPL-119 / EPL-120

CHAPTER 10

10.4.9-1 / 10.4.9-2

CHAPTER 15

15-xiv / 15-xv  
 15-xxv / 15-xxvi  
 15-xxvii





REMOVE  
EXISTING PAGES

15.6.5-5 / 15.6.5-6  
15.6.5-7 / 15.6.5-8

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15.6.5-10a  
15.6.5-11 / 15.6.5-11a  
15.6.5-13  
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15.6.5-15a  
15.6.5-15b  
15.6.5-16

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15.6.5-13 through 15.6.5-25

References 15.6  
Page Containing References  
15.6.5-26 through 15.6.5-32

Fig. 15.6.5-3  
Fig. 15.6.5-31 through  
Fig. 15.6.5-45

TMI

TMI-56

INSERT  
REPLACEMENT PAGES

15.6.5-5 / 15.6.5-6  
15.6.5-7 / 15.6.5-8  
15.6.5-8a  
15.6.5-10a  
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Fig. 15.6.5-3  
Fig. 15.6.5-31 through  
Fig. 15.6.5-57

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EXISTING PAGES

15.6.5-5 / 15.6.5-6  
15.6.5-7 / 15.6.5-8

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15.6.5-10a  
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Page Containing References  
15.6.5-26 through 15.6.5-32

Fig. 15.6.5-3  
Fig. 15.6.5-31 through  
Fig. 15.6.5-45

TMI

TMI-56

INSERT  
REPLACEMENT PAGES

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15.6.5-7 / 15.6.5-8  
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15.6.5-10a  
15.6.5-11 / 15.6.5-11a  
15.6.5-13  
15.6.5-15  
15.6.5-15a  
15.6.5-15b  
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Page Containing References  
15.6.5-13 through 15.6.5-25

References 15.6  
Page Containing References  
15.6.5-26 through 15.6.5-31

Fig. 15.6.5-3  
Fig. 15.6.5-31 through  
Fig. 15.6.5-57

TMI

TMI-56