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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)

SUBJECT: *Reverse 9/9/86 m.m.*  
 Forwards Rev 32 to FSAR, amending Sections 11.5.2.7.13,  
 11.5.2.7.16 & 11.5.2.7.17, clarifying description of waste  
 processing bldg exhaust sys monitors, incorporating new noble  
 gas release methodology & deleting statement, respectively.

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NOTES: Application for permit renewal filed. 05000400

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Carolina Power & Light Company

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SERIAL: NLS-86-271

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. 32

REFERENCE: Letter Dated September 26, 1985 (NLS-85-293) from  
Mr. S. R. Zimmerman (CP&L) to Mr. H. R. Denton (NRC)

Dear Mr. Denton:

Carolina Power & Light Company (CP&L) hereby submits Amendment No. 32 to the Shearon Harris Nuclear Power Plant (SHNPP) Final Safety Analysis Report (FSAR). This amendment formally incorporates revisions to Section 11.5 concerning radiation monitoring.

Section 11.5.2.7.2.13 is revised to provide clarification for the description of the Waste Processing Building Exhaust System Monitors.

Section 11.5.2.7.2.16 is revised to incorporate the new methodology for estimating potential noble gas releases through the atmospheric relief valves during a postulated accident. A description of this methodology was submitted to the NRC via the referenced letter.

Section 11.5.2.7.2.17 is revised to reflect current design. The RM-80 microprocessors are remote from the detector and in an area where local readout would not be useful or necessary. A statement in the FSAR is deleted to reflect this.

Each page bears the amendment number, and technical changes are indicated by vertical bars in the 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

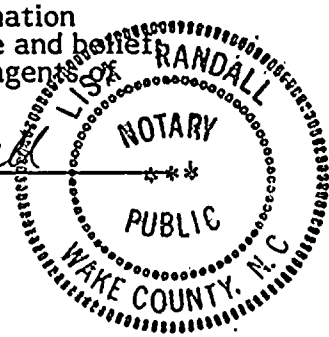
ABC/GB/vaw (4020JDK)  
Attachment

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.

My commission expires: 5/18/88

Notary (Seal)



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