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 ZIMMERMAN, S. R.      Carolina Power & Light Co.  
 RECIP. NAME      RECIPIENT AFFILIATION  
 DENTON, H. R.      Office of Nuclear Reactor Regulation, Director (post 851125)

SUBJECT: Forwards "Predicted behavior of Containment Bldg During  
 Structural Integrity Test," in response to SER Confirmatory  
 Item B. Test scheduled for Mar 1986. Comparison of  
 predicted vs actual results will be submitted.

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ACCESSION NUMBER: 880303187  
 FACILITY: 50-400 Sharon Harris Nuclear Power Plant, Unit 1, Carolina  
 AUTHOR AFFILIATION  
 ZIMMERMAN, S. R. (Carolina Power & Light Co)  
 RECEIPT NAME  
 OFFICE OF Nuclear Reactor Regulation, Director (Post 831125)  
 DOCKET # 05000400  
 DATE: 8/10/87  
 NOTARIZED: NO

SUBJECT: Forgo to "Predicted behavior of containment bid during structural integrity test." in response to SR Contingency Item 8. Test scheduled for Mar 1988. Comparison of predicted vs actual results will be submitted

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PWR-A PDS	1	PWR-A PDS LA	1	PWR-A PDS	1	PWR-A PDS LA	1
BUCKLEY B	01	PWR-A PDS	2	BUCKLEY B	01	PWR-A PDS	2
PWR-A RSB	1		1	PWR-A RSB	1		1
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NRR P-7-B ADTS	1	NRR P-7-B ADTS	1	NRR P-7-B ADTS	1	NRR P-7-B ADTS	1
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KEO FILE	04	KEO FILE	1	KEO FILE	04	KEO FILE	1
RYNDAMINIR	1	RYNDAMINIR	1	RYNDAMINIR	1	RYNDAMINIR	1
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Carolina Power & Light Company

SERIAL: NLS-86-010

JAN 27 1986

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  
CONTAINMENT BUILDING ULTIMATE STRENGTH CAPACITY

Dear Mr. Denton:

Carolina Power & Light Company (CP&L) hereby submits additional information concerning the Shearon Harris Nuclear Power Plant (SHNPP) calculation of ultimate strength capacity of the Containment Building under uniform pressure. This information is submitted in response to Safety Evaluation Report (SER) Confirmatory Item No. 8. Attached are the test procedures and the expected analytical results for your review. The expected analytical results predict what deformations will occur when the Containment Building is subjected to an internal pressure 1.15 times that of the design pressure. The actual testing is currently scheduled for March 1986. Upon completion of the testing, a comparison of the predicted versus actual results will be completed and submitted for NRC review.

If you have any questions concerning this subject or require additional information, please contact me.

Yours very truly,

S. R. Zimmerman  
Manager

Nuclear Licensing Section

JHE/mf (3213JDK)

Attachments

cc:	Mr. B. C. Buckley (NRC)	Mr. Wells Eddleman
	Mr. G. F. Maxwell (NRC-SHNPP)	Mr. John D. Runkle
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	Mr. S. B. Kim (NRC-SGEB)	Mr. G. O. Bright (ASLB)
	Mr. Travis Payne (KUDZU)	Dr. J. H. Carpenter (ASLB)
	Mr. Daniel F. Read (CHANGE/ELP)	Mr. J. L. Kelley (ASLB)
	Wake County Public Library	Mr. H. A. Cole

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