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 AUTH. NAME: MCDUFFIE, M.A. AUTHOR AFFILIATION: Carolina Power & Light Co.  
 RECIP. NAME: DENTON, H.R. RECIPIENT AFFILIATION: Office of Nuclear Reactor Regulation, Director

SUBJECT: *see rpt.* Forwards "Safety Analysis of Shearon Harris Safety Parameter Display Sys," per NRC Generic Ltr 82-33, "Requirements for Emergency Response Capability" & Section 4.2a of NUREG-0737, Suppl 1.

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Carolina Power & Light Company

DEC 02 1983

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

SHEARON HARRIS NUCLEAR POWER PLANT  
UNIT NOS. 1 AND 2  
DOCKET NOS. 50-400 AND 50-401  
NRC GENERIC LETTER 82-33  
REQUIREMENTS FOR EMERGENCY RESPONSE CAPABILITY

Dear Mr. Denton:

Carolina Power & Light Company hereby transmits one original and forty copies of the Safety Parameter Display System (SPDS) safety analysis. Carolina Power & Light Company committed to submit this SPDS safety analysis in a letter dated April 15, 1983.

This information is submitted in accordance with section 4.2a of NUREG-0737, Supplement 1.

Yours very truly,

M. A. McDuffie  
Senior Vice President  
Nuclear Generation

CT/tda (8207NLU)  
Enclosures

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Mr. J. P. O'Reilly (NRC-RII)  
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 of the project and the  
 objectives that are to be  
 achieved.

The second part of the document  
 describes the methodology that  
 will be used to carry out the  
 project.

The third part of the document  
 presents the results of the  
 project and discusses the  
 conclusions that have been  
 reached.

The fourth part of the document  
 discusses the implications of the  
 project and the future work  
 that is planned.

The fifth part of the document  
 contains the references and the  
 appendixes.