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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: Forwards response to NRC request for addl info re draft SER open item on steam generator mods. Steam generator in service insp will include samples of expanded tubes as special subset of insp.

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Carolina Power & Light Company

DEC 02 1983

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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  
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

Dear Mr. Denton:

Carolina Power & Light Company hereby transmits one original and forty copies of additional information requested by the NRC (Auxiliary Systems Branch) as part of the safety review of the Shearon Harris Nuclear Power Plant.

We will be providing responses to other requests for additional information shortly.

Yours very truly,

M. A. McDuffie  
Senior Vice President  
Nuclear Generation

CT/lcv (8632NLU)  
Enclosure

- |                                 |                            |
|---------------------------------|----------------------------|
| cc: Mr. B. C. Buckley (NRC)     | Mr. Wells Eddleman         |
| Mr. O. D. Parr (NRC)            | Dr. Phyllis Lotchin        |
| Mr. G. F. Maxwell (NRC-SHNPP)   | Mr. John D. Runkle         |
| Mr. J. P. O'Reilly (NRC-RII)    | Dr. Richard D. Wilson      |
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Shearon Harris Nuclear Power Plant  
DSER Open Item  
Steam Generator Modifications

Address the revisions to the FSAR which will result from the proposed steam generator modifications as required in section 5.5 of NUREG-1014, "Safety Evaluation Report of the Modification to Westinghouse D4/D5/E Steam Generators". Specifically address:

1. Transient analysis margins
2. Tube plugging margin
3. First cycle inspection interval

Response

With regard to transient analysis margins, CP&L does not anticipate any impact on the results/conclusions of the current Chapter 15 analyses. Minor changes will be required and specific analyses will be redone to update the final safety analysis report in light of the proposed steam generator modifications. This will be done and the FSAR will be amended by June 1984.

Tube plugging margin will be addressed in the SHNPP Technical Specifications. These are scheduled for submittal to the NRC staff in June 1984. SHNPP Tech Specs will be based upon NUREG-0457.

Based on current schedules, SHNPP will not be the lead plant for this modification program. Therefore, the first cycle inspection interval is not applicable to SHNPP. SHNPP steam generator inservice inspection will always include samples of expanded tubes as a special subset of inspections.

