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

SUBJECT: Forwards response to draft SER Open Item 182 re process & effluent monitoring program.

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Carolina Power & Light Company

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JUN 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
DRAFT SAFETY EVALUATION REPORT RESPONSES
METEOROLOGICAL & EFFLUENTS TREATMENT BRANCH

Dear Mr. Denton:

Carolina Power & Light Company (CP&L) hereby transmits one original and forty copies of the response to the Shearon Harris Nuclear Power Plant Draft Safety Evaluation Report (DSER) CP&L Open Item 182.

Carolina Power & Light Company will be providing responses to other Open Items in the DSER shortly.

Yours very truly,

M. A. McDuffie
Senior Vice President
Engineering & Construction

PS/lcv (6801PSA)

Enclosure

cc: Mr. Jack Hayes (NRC-METB)
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411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

Shearon Harris Nuclear Power Plant
Draft Safety Evaluation Report (DSER)
Open Item 182 (DSER Section 11.5.2, page 11-27)

The applicant has indicated, in response to a staff question, that the process and effluent monitoring program will meet the guidelines of position C of RG 4.15 with one exception. This exception is that Harris will make use of "nationally recognized standards" and will not be limited to NBS-traceable standards only. It is the staff's position that any "nationally recognized standard" will be NBS traceable. Therefore, the staff does not accept this proposed deviation to position C of RG 4.15.

Response to Open Item 182

The Shearon Harris Nuclear Power Plant process and effluent monitoring program will meet the guidelines of position C of RG 4.15. As called for by RG 4.15.C.6.1, radionuclides standards that have been certified by NBS or standards that have been obtained from suppliers who participate in measurement assurance activities with NBS will be used when their standards are available. In these measurement assurance activities, the supplier's calibration value will agree with the NBS value within the overall uncertainty stated by the supplier in its certification of the same batch of sources (when these are sampled for measurement by NBS) or in its certification of similar sources.