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 50-402 Shearon Harris Nuclear Power Plant, Unit 3, Carolina 05000402
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 MCDUFFIE, M.A. Carolina Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION
 DENTON, H.R. Office of Nuclear Reactor Regulation

SUBJECT: Describes FSAR, FSAR will list electrical equipment, equipment location seismic & environ envelope & qualification method & results. Not all test data available at FSAR filing time. Testing program will be completed late 1981 or early 1982.

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Carolina Power & Light Company

September 17, 1979

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

REGULATORY DOCKET FILE COPY

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NOS. 1, 2, 3 AND 4
DOCKET NOS. 50-400, 50-401, 50-402 AND 50-403
ENVIRONMENTAL QUALIFICATION OF CLASS 1E ELECTRICAL EQUIPMENT

Dear Mr. Denton:

Carolina Power & Light Company (CP&L) recognizes the importance of environmental qualification of Class 1E electrical equipment and the high priority placed on it by your staff, and has undertaken to provide a comprehensive and thorough environmental qualification program for the Shearon Harris Nuclear Power Plant. This program will be described in detail in the facility Final Safety Analysis Report (FSAR), which is scheduled to be filed in June of 1980. However, in view of the importance of this issue, we believe it would be beneficial to briefly describe the FSAR material at this time.

The description in the FSAR will list individual pieces of equipment, their location, the seismic and environmental envelope that it is or will be qualified to, the qualification method and the qualification results. It should be noted, however, that at the time of the filing of the FSAR, not all of the test data for all of the equipment will be available. The testing program for the equipment involved is ongoing and is anticipated to be completed in late 1981 and early 1982. All required test data will be available and on file prior to receiving the Operating License for the facility. It is not CP&L's intention to provide the test data in the FSAR, but rather to specify the qualification envelope, method of qualification and qualification results. Test data for individual pieces of equipment will be located in CP&L files and available for audit. We believe that this is a reasonable approach and consistent with other recently docketed FSARs, such as, Commanche Peak, South Texas and Waterford. The above program is based on receiving an Operating License in June of 1983.

It is our understanding that the NRC staff considers the inclusion in the FSAR of information pertaining to environmental qualification to be an important aspect of the FSAR. Since it is our commitment to submit all necessary information in the FSAR, we would appreciate your informing us by October 1, 1979 if you will require any additional information.

Yours very truly,

M. A. McDuffie
Senior Vice President
Engineering & Construction

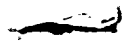
JJS-pb

cc: Mr. R. J. Mattson (NRC)
Mr. D. J. Eisenhut (NRC)
Mr. J. P. O'Reilly (NRC)

Handwritten note:
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411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

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