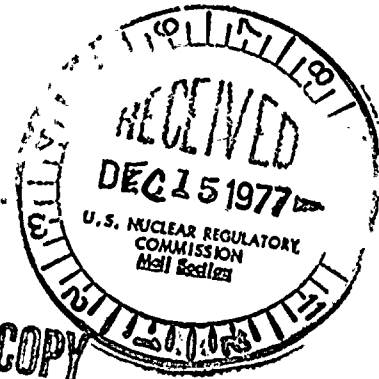




Carolina Power & Light Company

December 12, 1977



REGULATORY DOCKET FILE COPY

Mr. Edson G. Case, Acting Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

RE: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NOS. 1, 2, 3, AND 4
DOCKET NOS. 50-400, 50-401, 50-402, AND 50-403
GEOLOGICAL FEATURE NEAR THE SHEARON HARRIS NUCLEAR PLANT SITE

Dear Mr. Case:

On December 8, 1977, Mr. P. W. Howe of Carolina Power & Light Company contacted Mr. Richard DeYoung and Mr. Olan Parr of your staff to inform them of a minor geological feature which had been discovered on December 7, 1977, approximately five miles south of the Shearon Harris Nuclear Power Plant (SHNPP) site, while performing earth work associated with the previously approved railroad location. This feature can be described as a discontinuity of a one inch wide quartz vein which passes through the gneiss beneath the spillway to the west of the main dam. This type of structure is typical of geological features in the Slate Belt rocks and was anticipated by the earlier exhaustive study (Fault Investigation Shearon Harris Nuclear Power Plant Units 1, 2, 3, and 4 submitted to the NRC on March 7, 1975) which was reviewed and approved by your staff. Preliminary assessment indicates that this feature is of limited length and is older than the Triassic sediments at the site.

In accordance with good engineering practices, we are evaluating the impact of this feature. We will inform your staff of the result of this evaluation.

Yours very truly,

M. A. McDuffie
Senior Vice President
Engineering & Construction

MAM/mf

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)	
)	
CAROLINA POWER & LIGHT COMPANY)	Docket Nos. 50-400
)	50-401
(Shearon Harris Nuclear Power Plant)	50-402
)	50-403
Units 1, 2, 3, and 4))	

CERTIFICATE OF SERVICE

This is to certify that a copy of Mr. M. A. McDuffie's letter of December 12, 1977, to Mr. Edson G. Case concerning a geological feature near the Shearon Harris Nuclear Power Plant site has this 12th day of December, 1977, been served upon the Chief Executive Officers of Wake and Chatham Counties, North Carolina, by deposit of the same in the United States mail addressed as follows:

Mr. Vassar P. Shearon, Chairman
Board of County Commissioners of Wake County
P.O. Box 550
Raleigh, North Carolina 27602

Mr. Ben Wimberly, Chairman
Board of County Commissioners of Chatham County
Post Office Box 111
Pittsboro, North Carolina 27312

A copy of this letter has also been served this day upon each member of the Atomic Safety and Licensing Board, other appropriate NRC personnel, and additional parties to the proceedings by deposit of the same in the United States mail addressed as follows:

Ivan W. Smith, Esq.
Atomic Safety and Licensing Board Panel
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. Glenn O. Bright
Atomic Safety and Licensing Board Panel
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

1. The first part of the report deals with the general situation of the country and the progress of the work during the year. It also mentions the results of the various expeditions and the collections made.

2. The second part of the report describes the various expeditions and the collections made. It mentions the names of the participants and the results of the work.

3. The third part of the report deals with the general situation of the country and the progress of the work during the year. It also mentions the results of the various expeditions and the collections made.

4. The fourth part of the report describes the various expeditions and the collections made. It mentions the names of the participants and the results of the work.

5. The fifth part of the report deals with the general situation of the country and the progress of the work during the year. It also mentions the results of the various expeditions and the collections made.

Dr. J. V. Leeds
10807 Atwell
Houston, Texas 77001

Mr. Nathaniel H. Goodrich, Chairman
Atomic Safety and Licensing Board Panel
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. Thomas S. Erwin
Post Office Box 928
115 West Morgan Street
Raleigh, North Carolina 27602

Mr. C. A. Barth
Regulatory Staff Counsel
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Jesse C. Brake, Esq.
Department of Justice
Post Office Box 629
Raleigh, North Carolina 27602

Office of Intergovernmental Relations
116 West Jones Street
Raleigh, North Carolina 27603

Environmental Protection Agency
EIS Branch
345 Courtland Street, NE
Atlanta, Georgia 30308


Carolyn Parlato

Attorney
Carolina Power & Light Company

Business Address: 419 Fayetteville Street
Raleigh, N. C. 27602

Business Telephone: Area Code 919
836-6830

Dated: December 12, 1977

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