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FILE NUMBER

TO: Mr. Benard Rusche

FROM: Carolina Power & Light Company
Raleigh, North Carolina
Mr. J. A. Jones

DATE OF DOCUMENT
7/13/76DATE RECEIVED
7/22/76

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Note: Distribution as per Mr. Echols.

PLANT NAME:

(3-P)

Shearon Harris 1-2-3-4

ENCLOSURE

Furnishing meteorological information to support our evaluation of the plant's compliance with Appendix I to 10CFR50.

ACKNOWLEDGED

DO NOT REMOVE

SAFETY

FOR ACTION/INFORMATION

ENVIRO 7/22/76

RJL

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			SITE TECH.
PROJECT MANAGEMENT	REACTOR SAFETY	OPERATING TECH.	GAMMILL
BOYD	ROSS	EISENHUT	STAPP
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PETERSON	CHECK	BUTLER	SITE ANALYSIS
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7093

1. The first part of the document is a list of names and addresses of the members of the committee.

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9. The ninth part of the document is a list of names and addresses of the members of the committee.

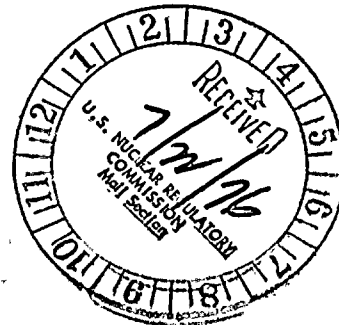
10. The tenth part of the document is a list of names and addresses of the members of the committee.



Carolina Power & Light Company

July 13, 1976

Mr. Benard C. Rusche, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555



SHEARON HARRIS NUCLEAR POWER PLANT UNIT NOS. 1, 2, 3, and 4
DOCKET NO. 50-400, 50-401, 50-402, and 50-403
METEOROLOGICAL INFORMATION

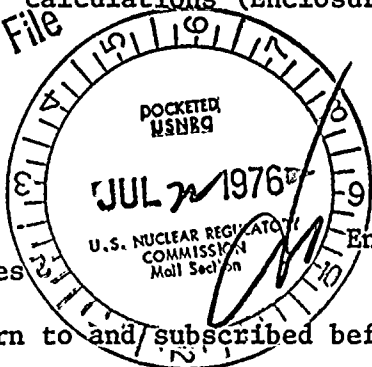
Dear Mr. Rusche:

In order to support your staff's evaluation of the Shearon Harris Nuclear Power Plant compliance with Appendix I to 10CFR50, the following information is provided:

1. Initial meteorological station calibration data (Enclosure 1), summary of maintenance and calibrations after initial calibration (Enclosure 2), and 1976 calibration program outline (Enclosure 3).
2. Correlation study indicating modification to air flow at 10-meter level during 1973-75 data collection period and presenting method of adjusting data to correct for air flow modification (Enclosure 4).
3. Hourly meteorological data for January 15 through April 6, 1976, collected after the obstructions to air flow were removed and which forms the data base used to modify the 1973-75 record (Enclosure 5).
4. Joint distributions of wind direction and speed, 1973-75, after 10-meter wind speeds were adjusted for air flow modification (Enclosure 6).
5. Annual average relative concentrations and deposition from adjusted 10-meter data base (Enclosure 7).
6. An assessment of the validity of the data base used for the calculations (Enclosure 8).

Regulatory Docket File

JAJ/c11
Enclosures



Yours very truly,

J. A. Jones

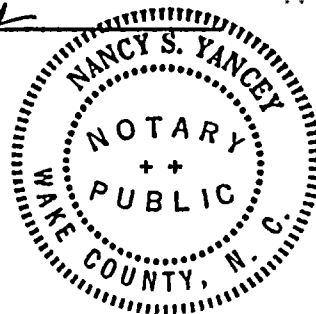
J. A. Jones
Executive Vice President
Engineering, Construction & Operation

Sworn to and subscribed before me this 13th day of July, 1976.

Nancy S. Yancey
Notary Public

My Commission Expires: June 29, 1981

336 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602



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 Carolina Power & Light Company's letter from J. A. Jones to Benard C. Rusche submitting additional meteorological information to support the Nuclear Regulatory Commission's evaluation of the Shearon Harris Nuclear Power Plant Units 1, 2, 3, and 4 compliance with Appendix I to 10CFR50 has this 13th day of July been served upon the following government officials 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
Post Office 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

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

Mr. Dave Hopkins
Environmental Protection Agency
1421 Peachtree Street, N.E.
Atlanta, Georgia 30309

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

Thomas W. Reilly, 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

Dr. J. V. Leeds, Jr.
Post Office Box 941
Houston, Texas 77001

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

Secretary
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555
Attention: Chief, Public Proceeding Staff

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



Richard E. Jones

Associate General Counsel
Carolina Power & Light Company

Business Address: 336 Fayetteville Street
Raleigh, N.C. 27602

Business Telephone: Area Code 919
828-8211

Dated: July 13, 1976

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)

CAROLINA POWER & LIGHT COMPANY)

(Shearon Harris Nuclear Power Plant)

Units 1, 2, 3, and 4))

Docket Nos. 50-400

50-401

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Dated: July 13, 1976

