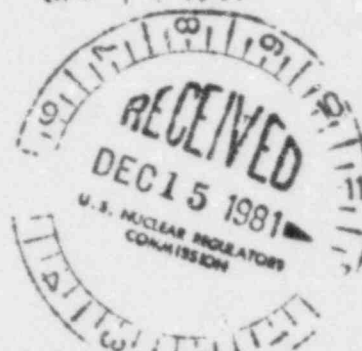


Docket Nos. 50-325  
50-324

DEC 14 1981

Mr. George Oliver, Manager  
Environmental and Radiation Control  
Carolina Power and Light Company  
P. O. Box 458  
Southport, North Carolina 28461



Dear Mr. Oliver:

This is to confirm our request to discuss the participation of your Brunswick facility in our Source Term Measurement Program. We agreed to meet and tour the Brunswick facility on December 22, 1981.

The Source Term Measurement Program is funded by the NRC's Office of Nuclear Regulatory Research and conducted for the NRC by EG&G Idaho, Inc., personnel from the Idaho National Engineering Laboratory. The prime user of information obtained from this program is the Effluent Treatment Systems Branch in the Office of Nuclear Reactor Regulation. That Branch uses the data obtained from actual measurements of reactor coolant activity, radwaste system equipment performance, and activity in effluent streams, together with information on plant operations, to develop or improve its source term prediction models (Gaseous and Liquid Effluent (GALE) Codes). These models attempt to realistically predict the amounts of radioactive material that will be released from a nuclear power plant each year.

To date, this program has concentrated on pressurized water reactors. Measurements have been completed or are nearly complete at the Zion, Ft. Calhoun, Turkey Point, Rancho Seco, and Prairie Island stations. A comprehensive report (NUREG/CR-1990) that documents the measurement results at the first four of these sites is enclosed for your information. We now believe the remainder of the program should concentrate on boiling water reactors (BWRs). Brunswick would be the first BWR plant to participate.

At the meeting, we will be prepared to answer your questions and discuss objectives of the program, the types of measurements we hope to make, how the data would be reported and used, benefits to CP&L/Brunswick, contractor/NRC/licensee roles and relationships, support services needed from CP&L, and expected length of stay of the contractor.

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P PDR

OFFICE						
SURNAME						
DATE						

Mr. George Oliver

- 2 -

We expect that the following persons will be in attendance:

Richard L. Bangart, Effluent Treatment Systems Branch, NRR  
Charles Nilsen, Chemical Engineering Branch, RES  
John W. Mandler, EG&G Idaho  
Ferrol B. Simpson, EG&G Idaho  
James Van Vliet, Div. of Licensing, ORB#2, NRR

We look forward to meeting with you and discussing this program.

ORIGINAL SIGNED BY

Thomas A. Ippolito, Chief  
Operating Reactors Branch # 2  
Division of Licensing

Enclosure:  
NUREG/CR-1990

cc: C. R. Dietz, CP&L

bcc: D. Eisenhut  
R. Mattson  
T. Novak  
W. Kreger  
G. Arlotto  
K. Steyer  
W. Gammill  
J. Van Vliet  
C. Nilsen  
C. Willis  
R. Bangart  
C. Miller

DISTRIBUTION:

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ETSB Subject File	ACRS(10)	J. Van Vliet	D. Eisenhut	
ORB#2 Reading File	T. Ippolito	Gray		

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SURNAME	S. Norris	J. Van Vliet	T. Ippolito	R. Bangart			
DATE	12/11/81	12/11/81	12/14/81	12/14/81			

Mr. J. A. Jones

cc:

Richard E. Jones, Esquire  
Carolina Power & Light Company  
336 Fayetteville Street  
Raleigh, North Carolina 27602

George F. Trowbridge, Esquire  
Shaw, Pittman, Potts & Trowbridge  
1800 M Street, N. W.  
Washington, D. C. 20036

Resident Inspector  
U. S. Nuclear Regulatory Commission  
P. O. Box 1057  
Southport, North Carolina 28461

Southport - Brunswick County Library  
109 W. Moore Street  
Southport, North Carolina 28461

Mr. Charles R. Dietz  
Plant Manager  
P. O. Box 458  
Southport, North Carolina 28461

Mr. J. A. Jones  
Senior Executive Vice President  
Carolina Power & Light Company  
336 Fayetteville Street  
Raleigh, North Carolina 27602