

January 15, 1985

Docket Nos. 50-325 and 50-324

Mr. E. E. Utley  
Executive Vice President  
Carolina Power & Light Company  
Post Office Box 1551  
Raleigh, North Carolina 27062

DISTRIBUTION:

Docket File

NRC PDR  
L PDR  
ORB#2 Rdg  
DEisenhut  
OELD  
EJordan  
WRButler

PMcKee  
JPartlow  
ACRS-10  
SNorris  
MGrotenhuis  
Gray File  
PSalminen  
JKrudrick

Dear Mr. Utley:

SUBJECT: RECOMBINER CAPABILITY REQUIREMENTS

Re: Brunswick Steam Electric Plant Units 1 and 2

We have reviewed your letter dated June 8, 1984, as supplemented on June 27, 1984, which was submitted in response to Generic Letter 84-09 dated May 8, 1984, and find we need the additional information described in the enclosure to this letter in order to complete our review. Please provide this information within 45 days of the date of this letter.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original signed by/

Domenic B. Vassallo, Chief  
Operating Reactors Branch #2  
Division of Licensing

Enclosure:  
As stated

cc w/enclosure:  
See next page

ORB#2:DL  
SNorris  
1/ /85

ORB#2:DL  
MGrotenhuis/pn  
1/15/85

ORB#2:DL  
DBVassallo  
1/15/85

Mr. E. E. Utley  
Carolina Power & Light Company  
Brunswick Steam Electric Plant, Units 1 and 2

cc:

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

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

Mr. Charles R. Dietz  
Plant Manager  
Post Office Box 458  
Southport, North Carolina 28461

Mr. Franky Thomas, Chairman  
Board of Commissioners  
Post Office Box 249  
Bolivia, North Carolina 28422

Mrs. Chrys Baggett  
State Clearinghouse  
Budget and Management  
116 West Jones Street  
Raleigh, North Carolina 27603

Resident Inspector  
U. S. Nuclear Regulatory Commission  
Star Route 1  
Post Office Box 208  
Southport, North Carolina 28461

James P. O'Reilly  
Regional Administrator  
Region II Office  
U. S. Nuclear Regulatory Commission  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

Dayne H. Brown, Chief  
Radiation Protection Branch  
Division of Facility Services  
Department of Human Resources  
Post Office Box 12200  
Raleigh, North Carolina 27605

Request for Additional Information  
Recombiner Capability Requirements  
Brunswick Steam Electric Plant Units 1 and 2

The following information is needed so that we may continue our review of the Brunswick recombiner capability requirements.

1. A detailed description of the planned modifications to the instrument air systems. The proposed post-accident switch-over from the normal air supply to an inert gas supply does not appear to meet the intent of the Generic Letter 84-09. Provide further justification of this design considering the criteria of Generic Letter 84-09. Discuss operating principles of the system (e.g., initiation of switch-over, safety classification and qualification of components. Include consideration of single failure, signal delay, and system response in determining maximum air release.
2. Provide a discussion of all potential oxygen/air sources within the containment. Especially address the ADS - MSIV - accumulators and provide justification if a source is found negligible. Also provide values of volume of air/oxygen available, increase of  $O_2$  concentration if released to the containment, etc., for all sources.