Docket File
NRC PDR
Local PDR
ORB#2 Rdg.
D. Eisenhut
OELD
E. L. Jordan
S. MacKay
S. Norris
NSIC
J. M. Taylor
ACRS 10
J. Heltemes AEOD
Gray File

Docket No. 50-324
50-325

JAN 31 1983

Mr. E. E. Utley
Executive Vice President
Carolina Power & Light Company
P. O. Box 1551
Raleigh, North Carolina 27602

Dear Mr. Utley:

SUBJECT: QUALIFICATION OF ADS ACCUMULATOR SYSTEMS (TMI ACTION PLAN ITEM II.K.3.28))

Re: Brunswick Steam Electric Plant, Units 1 and 2

We have reviewed your letters dated January 17, and February 14, 1980 in response to I.E. Bulletin 80-01 and your letter dated December 23, 1981 in response to the subject TMI Action Plan Item. We find that we need the additional information requested in the enclosure to this letter before we can complete our review. Please provide the requested information within 60 days of receipt of this letter so that we can meet our schedule for resolution of this matter.

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
D. B. Vassallo

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

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

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PDR ADOCK 05000324
P PDR

OFFICE	DL:ORB#2	DL:ORB#2	DL:ORB#2				
SURNAME	S.Norris	S.MacKay:pr	D.Vassallo				
DATE	1/31/83	1/31/83	1/31/83				

NRC FORM 318 (10-80) NRCM 0240 OFFICIAL RECORD COPY USGPO: 1981—335-960

Mr. E. E. Utley
Carolina Power & Light Company

cc:

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Mr. Charles R. Dietz
Plant Manager
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Mr. Franky Thomas, Chairman
Board of Commissioners
P. O. Box 249
Bolivia, North Carolina 28422

Mrs. Chrys Baggett
State Clearinghouse
Budget & Management
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Raleigh, North Carolina 27603

U. S. Environmental Protection Agency
Region IV Office
Regional Radiation Representative
345 Courtland Street, N. W.
Atlanta, Georgia 30308

Resident Inspector
U. S. Nuclear Regulatory Commission
P. O. Box 1057
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James P. O'Reilly
Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

PLANT(S): Brunswick 1 & 2
DOCKET #'s: 50-325/324

MULTI-PLANT ACTION F-55
QUALIFICATION OF ADS ACCUMULATOR SYSTEMS

REQUEST FOR ADDITIONAL INFORMATION

The licensee is requested to provide the following information:

1. Define the number of times the ADS valves are capable of cycling using only the accumulator inventory at atmospheric pressure and at a specified percent (i.e., 70%) of drywell pressure, and the length of time these accumulators are capable of performing their function following an accident.

2. Describe the ADS accumulator system design and operation (e.g., trains, air supply, capacity, alarms and their location, etc.).

3. Define the basis for the allowable leakage criteria for the ADS accumulator system (e.g., boundary conditions, environmental, and seismic parameters, operator interface, margin, etc.).

4. What margin is in the allowable leakage criteria to account for possible increase in leakage resulting from the effects of a harsh environment and/or a seismic event.

5. A statement that test and/or analysis performed verified that a harsh environment and/or seismic event would not increase the leakage rate.

6. A statement that verifies that no credit was taken for non-safety related equipment and instrumentation when establishing the allowable leakage criteria.

7. Define the periodic leak testing of the ADS accumulator system (i.e., the time interval between these leak tests, along with a concise description of the test procedure employed).

8. Provide a concise description of the design and operation of the backup system and confirm that it will meet the overall requirements of the ADS system.

9. A concise description of the alarms and instrumentation associated with the ADS accumulator system and backup system, if applicable.

10. A concise description of the tests performed on the backup system and their frequency.

11. A concise description of the surveillance performed, and how frequent, on alarms associated with the ADS accumulator system and backup system, if applicable.

PLANT(S): Brunswick 1 & 2
DOCKET #'s: 50-325/324

MULTI-PLANT ACTION F-55
QUALIFICATION OF ADS ACCUMULATOR SYSTEMS

REQUEST FOR ADDITIONAL INFORMATION

(Cont'd)

12. A statement that test and/or analysis have verified that leakage will not prevent the ADS from performing as required.

13. Excerpts from the plants technical specification, verifying that they specify the following.

    - ADS leak test frequency
    - Allowable leakage rate
    - Actions to be taken, in a specified time frame, should the allowable leakage rate be exceeded.

14. A statement that confirms that the ADS accumulator system, associated equipment and control circuitry, and backup system, if applicable, are seismically qualified.