

June 13, 1984

Docket Nos. 50-325/324

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

Dear Mr. Utley:

SUBJECT: PLANT SPECIFIC ANALYSIS TO DETERMINE GAS AND WATER
CLEARING THRUST LOADS ASSOCIATED WITH SECOND SRV
ACTUATIONS IN RELIEF VALVE DISCHARGE LINES

Re: Brunswick Steam Electric Plant, Units 1 and 2

One of the issues to be resolved related to the Mark I Containment Long Term Program (LTP) was whether following the initial safety relief valve (SRV) actuation, sufficient time for the water leg to stabilize exists prior to a second actuation. To satisfy the acceptance criteria in NUREG-0661 "Mark I Containment Long Term Program" related to water clearing thrust loads in the relief valve discharge lines, associated with second SRV actuations, some licensees have made system logic changes to reduce these loads. The logic changes used include various combinations of lower SRV opening and closing setpoints and lower reactor vessel water level prior to main steam isolation valve (MSIV) closure.

We have recently become aware that at least one licensee has determined that these logic changes to reduce thrust loads, that it had previously intended to make, were no longer needed. A revised analysis performed by General Electric utilizing a methodology not approved in NUREG-0661 provided the basis for the licensee's decision. Since the methodology utilized appears to deviate from the methodology found acceptable by the staff, this letter is being sent to all BWR licensees that have Mark I containments that have not made setpoint logic changes to reduce water clearing thrust loads associated with second SRV actuations.

Within 45 days of receipt of this letter it is requested that you notify us if any analyses were performed utilizing methodology not previously approved in NUREG-0661 in determining if setpoint logic changes were needed to reduce water clearing thrust loads associated with second SRV actuations. In addition identify if any credit for operator action is required to prevent or reduce the thrust loads associated with second actuations of SRVs and if so, the kind of action and how long after event initiation the action is required.

8406250170 840613
PDR ADOCK 05000324
P PDR

Mr. E. E. Utley

- 2 -

This request for information was approved by the Office of Management and Budget under clearance number 3150-0091 which expires October 31, 1985.

Sincerely,

Original signed by/

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


cc: See next page

DISTRIBUTION

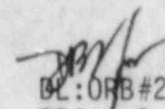
Docket File

NRC PDR
Local PDR
ORB#2 Reading
DEisenhut
OELD
SNorris
MGrotenhuis
SMacKay
BSiegel
ELJordan
JNGrace
ACRS (10)
Gray File
FEltawila

DL:ORB#2
SNorris:ajs
06/11/84


DL:ORB#2
MGrotenhuis
06/13/84

~~DL:ORB#2
SMacKay
06/ /84~~


DL:ORB#2
BSiegel
06/12/84


DL:ORB#2
DVassallo
06/13/84

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

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
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