

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION



BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

Glenn O. Bright
Dr. James H. Carpenter
James L. Kelley, Chairman

In the Matter of

CAROLINA POWER AND LIGHT CO. et al.
(Shearon Harris Nuclear Power Plant,
Units 1 and 2)

Dockets 50-400 OL
50-401 OL

ASLBP No. 82-468-01
OL

Contention re DS-416 circuit breakers for
safe reactor shutdown at Harris (based on new info)

Wells Eddleman hereby files the contention (#161) below, which
could not have been filed previously because its basis was not known
to me before 5-7-83 and not available before 4-20-83:

Contention 161: Applicants have not demonstrated that the Harris
nuclear reactors can be safely shut down when shutdown is required,
because of defects and possible malfunction of Westinghouse DS-416
circuit breakers used in the safety-related shutdown systems at Harris.

BASIS: (Inside NRC 5-2-83)^{pp 4-5}: Westinghouse has reported to NRC
on 4-20-83 that it has found defects which can cause the DS-416
circuit breakers to malfunction which "could create conditions under
which the RTBxs (reactor trip breakers) might not open automatically
on demand from the reactor protection system." This failure could
cause an ATWS event like that which occurred at Salem, especially
given the use of the same type breaker in Harris' redundant shutdown
systems. ATWS events at or near full power pose a very great danger
to the health and safety of the public. Therefore, Applicants must
demonstrate that the DS-416 breakers at Harris will not fail and
cause a failure to shut down a Harris reactor when that's necessary.

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and 50-401 O.L.

CERTIFICATE OF SERVICE

I hereby certify that copies of Contention re DS-416 circuit breakers
for safe reactor shutdown at Harris (based on new info)

HAVE been served this 7 day of May 1983, by deposit in
the US Mail, first-class postage prepaid, upon all parties whose
names are listed below, except those whose names are marked with
an asterisk, for whom service was accomplished by hand

Judges James Kelley, Glenn Bright and James Carpenter (1 copy each)
Atomic Safety and Licensing Board
US Nuclear Regulatory Commission
Washington DC 20555

George F. Trowbridge (attorney for Applicants)
Shaw, Pittman, Potts & Trowbridge
1800 M St. NW
Washington, DC 20036

Ruthanne G. Miller
ASLB Panel
USNRC Washington DC 20555

Office of the Executive Legal Director
Attn Dockets 50-400/401 O.L.
USNRC
Washington DC 20555

Phyllis Lotchin, Ph.D.
108 Bridle Run
Chapel Hill NC 27514

Docketing and Service Section
Attn Dockets 50-400/401 O.L.
Office of the Secretary
USNRC
Washington DC 20555

* Dan Read
CHANGE/FLP
Box 524
Chapel Hill NC 27514

* John Runkle
CCNC
307 Granville Rd
Chapel Hill NC 27514

Karen E. Long
Public Staff Atty
Box 991
Raleigh, NC 27602

Bradley W. Jones
USNRC Region II
101 Marietta St.
Atlanta GA 30303

Travis Payne
Edelstein & Payne
Box 12643
Raleigh NC 27605

Richard Wilson, M.D.
729 Hunter St.
Apex NC 27502

Certified by

W. W. Edleman