

Docket File

Docket No. 50-261

February 29, 1984

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Mr. E. E. Utley, Executive Vice President
Power Supply and Engineering and Construction
Carolina Power and Light Company
Post Office Box 1551
Raleigh, North Carolina 27602

Dear Mr. Utley:

SUBJECT: TMI ITEM II.D.3.4, "CONTROL ROOM HABITABILITY", H. B. ROBINSON
2, REQUEST FOR ADDITIONAL INFORMATION

We have reviewed your submittals, LAP-83-499 dated November 2, 1983,
LAP-83-212 dated August 30, 1983, and the report NUS-3696. We conclude
that there are a number of additional questions which need to be addressed.

Therefore, we request the enclosed additional information to complete our
review of these improvements within 45 days of receipt of this letter.

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

Sincerely,

ORIGINAL SIGNED BY

Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Enclosure:
As stated

cc w/enclosure:
See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

February 29, 1984

Docket No. 50-261

Mr. E. E. Utley, Executive Vice President
Power Supply and Engineering and Construction
Carolina Power and Light Company
Post Office Box 1551
Raleigh, North Carolina 27602

Dear Mr. Utley:

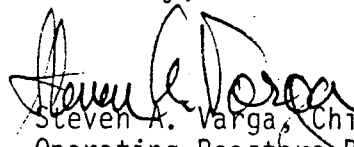
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Sincerely,


Steven A. Varga, Chief
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Enclosure:
As stated

cc w/enclosure:
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Mr. E. E. Utley
Carolina Power and Light Company

H. B. Robinson Steam Electric
Plant 2

cc: G. F. Trowbridge, Esquire
Shaw, Pittman, Potts and Trowbridge
1800 M Street, N.W.
Washington, DC 20036

Regional Radiation Representative
EPA Region IV
345 Courtland Street, N.E.
Atlanta, GA 30308

Mr. McCuen Morrell, Chairman
Darlington County Board of Supervisors
County Courthouse
Darlington, South Carolina 29535

State Clearinghouse
Division of Policy Development
116 West Jones Street
Raleigh, North Carolina 27603

Attorney General
Department of Justice
Justice Building
Raleigh, North Carolina 27602

U.S. Nuclear Regulatory Commission
Resident Inspector's Office
H. B. Robinson Steam Electric Plant
Route 5, Box 266-1A
Hartsville, South Carolina 29550

James P. O'Reilly
Regional Administrator - Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street
Atlanta, GA 30303

Mr. R. Morgan
General Manager
H. B. Robinson Steam Electric Plant
Post Office Box 790
Hartsville, South Carolina 29550

ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION
CONTROL ROOM HABITABILITY
F-70; III.D.3.4; H. B. Robinson Unit 2; 50-261

Provide the following information which the staff needs to complete its review:

- 1) Justification for all active components of the proposed control room emergency ventilation system (such as fans, isolation dampers, chillers and radiation monitors) that will not be redundant and/or single failure proof following the proposed modifications.
- 2) Identify proposed technical specification requirements for periodic leak testing of (1) control room emergency zone, (2) filter bypass dampers, (3) outside air dampers and/or valves, and ESF leakage outside containment, or justification if these leak tests are not proposed.
- 3) Updated control room operator dose calculations using parameters based on the proposed modification.
- 4) Identify the locations of radiation release points from design basis accidents, other than the LOCA, relative to control room outside air intake location. Provide bases for the identification, for example, through the use of layout drawings.
- 5) Justification for including cable and relay room in the proposed control room emergency envelope. The Review Procedures of SRP Section 6.4 state that areas such as cable and battery rooms should generally be excluded from the control room emergency envelope to decrease the probability of smoke or toxic gases entering the emergency zone.
- 6) Although benefit could be gained by increasing the time of CO₂ buildup following control room isolation, increasing the size of control room results in higher design basis control room whole body dose and potential for greater unfiltered inleakage. Show that the increase in the size of control room does not result in unacceptable whole body dose.
- 7) Information which shows that the control room emergency ventilation system is designed to function properly in the event of a loss of offsite power, or a pipe break in areas adjacent to the control room.