

September 11, 1986

Docket No: 50-261

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

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Dear Mr. Utley:

Subject: Environmental Assessment on Exemption Request from  
Certain Requirements of 10 CFR Part 50, Appendix R,  
Sections III.G.2.f and III.G.3 - H. B. Robinson Steam  
Electric Plant, Unit No. 2

Enclosed is a copy of an "Environmental Assessment and Finding of No  
Significant Impact" for your information. This assessment relates to your  
request for an exemption from 10 CFR 50, Appendix R, Section III.G.2 dated  
August 17, 1984, and to your requests for an exemption from III.G.3 dated  
July 20, and November 20, 1984, February 13, May 10, and October 28, 1985.

This assessment has been forwarded to the Office of the Federal Register for  
publication.

Sincerely,

/s/

Glude Requa, Project Manager  
PWR Project Directorate #2  
Division of PWR Licensing-A  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc w/enclosure:  
See next page

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

H. B. Robinson 2

cc:  
Thomas A. Baxter, Esquire  
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Mr. Dayne H. Brown, Chief  
Radiation Protection Branch  
Division of Facility Services  
Department of Human Resources  
P.O. Box 12200  
Raleigh, North Carolina 27605

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 413  
Hartsville, South Carolina 29550

Regional Administrator, Region II  
U.S. Nuclear Regulatory Commission  
Suite 2900  
101 Marietta Street  
Atlanta, Georgia 30303

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

UNITED STATES NUCLEAR REGULATORY COMMISSIONCAROLINA POWER AND LIGHT COMPANYDOCKET NO. 50-261NOTICE OF ENVIRONMENTAL ASSESSMENT AND FINDING OF  
NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of an exemption from the requirements of Appendix R to 10 CFR 50 to Carolina Power and Light Company (the licensee), for the H. B. Robinson Steam Electric Plant, Unit No. 2, located in Darlington County, South Carolina.

ENVIRONMENTAL ASSESSMENT:Identification of Proposed Action:

The exemption would:

1. Relieve the licensee from providing automatic fire suppression systems, pursuant to 10 CFR Part 50, Appendix R - Section III.G.3 for all zones, and
2. Relieve the licensee from providing conventional radiant energy heat shields for cable protection, pursuant to 10 CFR Part 50, Appendix R - Section III.G.2.f.

Equivalent levels of protection would be provided by the licensee.

The Need for the Proposed Action:

The proposed exemption is needed in order to permit the licensee to use alternate fire protection configurations that achieve an equivalent level of safety compared to that attained by compliance with Section III.G of Appendix R.

Environmental Impact of the Proposed Action:

The proposed Exemption would not degrade the level of safety attained by compliance with the rule and there would be no change in accident doses to the environment. Consequently, the probability of fires has not been increased and the post-fire radiological releases would not be greater than previously determined; nor does the proposed exemption otherwise affect radiological plant effluents. Therefore, the Commission concludes that there are no significant radiological environmental impacts associated with this proposed exemption.

With regard to potential non-radiological impacts, the proposed exemption involves features located entirely within the restricted area as defined in 10 CFR Part 20. It does not affect non-radiological plant effluents and has no other environmental impact. Therefore, the Commission concludes that there are no significant non-radiological environmental impacts associated with the proposed exemption.

Alternatives to the Proposed Action:

Since we have concluded that the environmental effects of the proposed action are not significant, any alternatives with equal or greater environmental impacts need not be evaluated.

The principal alternative would be to deny the requested exemption. This would not reduce the environmental impacts associated with fire protection modifications and compliance with the rule and accrue unreasonable costs to the licensee without an increase in safety.

Alternative Use of Resources:

This action does not involve the use of resources not previously considered in the Final Environmental Statement for H. B. Robinson.

Agencies and Persons Contacted:

The NRC staff reviewed the licensee's request and did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

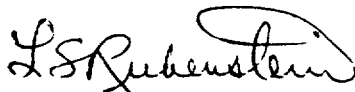
The Commission has determined not to prepare an environmental impact statement for the proposed exemption.

Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this action, see the application for exemption from 10 CFR 50, Appendix R, Section III.G.2 dated August 17, 1984, and the applications for exemption from Section III.G.3 dated July 20, and November 20, 1984, February 13, May 10, and October 20, 1985, which are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C., and at the Hartsville Memorial Library, Home and Fifth Avenue, Hartsville, South Carolina 29550.

Dated at Bethesda, Maryland, this 11th day of September, 1986.

FOR THE NUCLEAR REGULATORY COMMISSION



Lester S. Rubenstein, Director  
PWR Project Directorate #2  
Division of PWR Licensing-A