

Docket No. 50-261

JUL 22 1987

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

Dear Mr. Utley:

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT -
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 (TAC NO.55440)

Enclosed is a copy of an Environmental Assessment and Finding of No Significant Impact for your information. This assessment relates to your application dated June 29, 1984, as supplemented on January 16, 1985, for an exemption from certain requirements of Appendix R to 10 CFR Part 50 for the H. B. Robinson Steam Electric Plant, Unit No. 2.

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

Sincerely,

151

Kenneth T. Eccleston, Sr. Project Manager
Project Directorate II-1
Division of Reactor Projects I/II

Enclosure:
Environmental Assessment

cc: w/enclosure:
See next page

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3
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Room, 1717 H Street, N.W., Washington, D.C. and at the Hartsville Memorial Library, Home and Fifth Avenues, Hartsville, South Carolina 29550.

Dated at Bethesda, Maryland, this 22 day of July 1987.

FOR THE NUCLEAR REGULATORY COMMISSION

Original Signed By
Elinor G. Adensam

Elinor G. Adensam, Director
Project Directorate II-1
Division of Reactor Projects I/II

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cc: Plant Service List

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

H. B. Robinson 2

cc:
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Resident Inspector's Office
H. B. Robinson Steam Electric Plant
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U.S. Nuclear Regulatory Commission
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General Manager
H. B. Robinson Steam Electric Plant
Post Office Box 790
Hartsville, South Carolina 29550

UNITED STATES NUCLEAR REGULATORY COMMISSIONCAROLINA POWER & LIGHT COMPANYDOCKET NO. 50-261ENVIRONMENTAL ASSESSMENT AND FINDING OFNO 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 Part 50 to Carolina Power & 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 grant relief in 5 areas where fire protection features are not in conformance with the technical requirements of Appendix R to 10 CFR Part 50, Section III.J which requires 8 hour battery powered emergency lighting units in certain areas for safe shutdown and in access routes to these areas.

The exemption is responsive to the licensee's request dated June 29, 1984, as supplemented by letter dated January 16, 1985.

The Need for the Proposed Action: The proposed exemption is needed because the features described in the licensee's request regarding the existing fire protection lighting at its plant for emergency lighting are the most practical method for meeting the intent of Appendix R. Literal compliance would not significantly enhance the fire protection capability.

Environmental Impacts of the Proposed Action: The proposed exemption will provide a degree of fire protection such that there is no increase in the risk of fires at the facility. Consequently, the probability of fires has not been

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increased and the post-fire radiological releases will 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 nonradiological impacts, the proposed exemptions involve features located entirely within the restricted areas as defined in 10 CFR Part 20. They do not affect nonradiological plant effluents and have no other environmental impact. Therefore, the Commission concludes that there are no significant nonradiological environmental impacts associated with the proposed exemption.

Alternative Use of Resources: This action involves no use of resources not previously considered in the Final Environmental Statement for the H. B. Robinson Steam Electric Plant, Unit No. 2, dated April 1975.

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

FINDINGS 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, the staff concludes 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 applications for the exemption dated June 29, 1984, as supplemented January 16, 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 Avenues, Hartsville, South Carolina 29550.

Dated at Bethesda, Maryland, this 22 day of July 1987

FOR THE NUCLEAR REGULATORY COMMISSION

Elinor G. Adensam

Elinor G. Adensam, Director
Project Directorate II-1
Division of Reactor Projects I/II