

March 14, 1986

Docket No. 50-400

Mr. E. E. Utley, Senior Executive
Vice President
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and Construction
Carolina Power and Light Company
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Dear Mr. Utley:

Enclosed is a copy of a "Notice of Environmental Assessment and Finding of No Significant Impact" for your information. This notice relates to your applications dated March 16, 1984 and January 29, 1986, for an extension of the expiration date of Construction Permit No. CPPR-158 from June 1, 1984 to June 30, 1987, for Shearon Harris, Unit 1.

The notice has been forwarded to the Office of the Federal Register for publication.

Sincerely,

Original signed by
L. S. Rubenstein

Lester S. Rubenstein, Director
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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UNITED STATES NUCLEAR REGULATORY COMMISSION
CAROLINA POWER AND LIGHT COMPANY
NORTH CAROLINA EASTERN MUNICIPAL POWER AGENCY
DOCKET NO. STN 50-400
ENVIRONMENTAL ASSESSMENT AND FINDING OF
NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an extension of Construction Permit No. CPPR-158 to Carolina Power and Light Company and the North Carolina Eastern Municipal Power Agency (the Permittees), for the Shearon Harris Nuclear Power Plant, Unit 1 located in Wake County, North Carolina.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action: The extension would change the expiration date of the Construction Permit CPPR-158 from June 1, 1984 to June 30, 1987. The proposed extension is responsive to Carolina Power and Light Company's applications dated March 16, 1984 and January 29, 1986.

The Need for the Proposed Action: The proposed extension is needed because the completion date of Shearon Harris, Unit 1 has been postponed for the following reasons:

1. Revised Energy and Load Forecasts reflecting a slower rate of growth in customer demand than previously projected.
2. Carolina Power and Light Company's Expanded Conservation and Load Management Program.
3. Additional time to allow the permittees to complete construction, ensure that commitments and regulatory requirements have been met and to allow for contingencies such as delays in construction or licensing.

Environmental Impacts of the Proposed Action: The proposed extension will not allow any work to be performed that is not already allowed by the existing construction permit. The probability of accidents has not been increased and post-accident radiological releases will not be greater than previously determined, nor does the proposed extension otherwise affect radiological plant effluents. Therefore, the Commission concludes that there are no significant radiological environmental impacts associated with this proposed extension.

With regard to potential non-radiological impacts, the proposed extension 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 this proposed extension.

Alternatives to the Proposed Action: As required by section 102(2)(E) of NEPA (42 U.S.C. 4332(2)(E)), the staff has considered possible alternatives to the proposed action. The only possible alternative to the proposed action is not to renew the construction permit. This alternative would have led to a change in status and would result in a greater impact on Carolina Power and Light Company personnel and the environment (the project is approximately 94% complete).

Alternative Use of Resources: This action involves no use of resources not previously considered in the Final Environmental Statements (construction permit and operating license) for the Shearon Harris Nuclear Power Plant, Unit 1.

Agencies and Persons Consulted: The NRC staff reviewed the permittees' requests 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 extension.

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 requests for the extension dated March 16, 1984 and January 29, 1986 which are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C., and at the Wake County Public Library, Fayetteville Street, Raleigh, North Carolina 27601.

Dated at Bethesda, Maryland this 14th day of March, 1986.

FOR THE NUCLEAR REGULATORY COMMISSION



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