

UNITED STATES NUCLEAR REGULATORY COMMISSION

CAROLINA POWER & LIGHT COMPANY

DOCKET NOS. 50-325/324

NOTICE OF ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering granting relief from some requirements of 10 CFR 50.55a(g) to Carolina Power & Light Company (the licensee), for the Brunswick Steam Electric Plant, Units 1 and 2, located in Brunswick County, North Carolina.

Environmental Assessment

Identification of Proposed Action: The proposed relief would relax the requirements for inservice testing of some pumps and valves per 10 CFR 50.55a(g)(6)(i). The licensee has determined that certain test requirements were impractical and has provided its basis for the determinations. The relief requests from pump testing would be granted on the basis of alternate means of demonstrating operability or alternate times to demonstrate operability (i.e. cold shutdown vs during operations). The Relief requests granted from valve testing would be granted on the basis of alternate means of demonstrating operability, alternate frequency of testing, alternate times of testing or alternate procedures of testing. The fuel oil transfer system and the diesel generator air start valves were not included in the licensee's program. The staff review concluded that they should have been included. The licensee was so informed and agreed to include them in the next ten year first program beginning July 1984. All other pumps and valves important to safety have been properly included. The relief is responsive to the licensee's application for relief dated

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October 12, 1983, as supplemented by letter dated March 29, 1984.

The Need for the Proposed Action: The proposed relief is needed because certain requirements are not practical to be performed at the time or frequency indicated in Section XI of the ASME Code. In some cases alternate means or procedures for testing were found to be more practical. In all cases in which relief is proposed to be granted the licensee has provided the basis for the relief.

Environmental Impacts of the Proposed Action: The proposed relief will provide a degree of inservice inspection testing of pumps and valves that is equivalent to that required by Section XI of the ASME Code. Consequently, the probability of accidental failures of pumps and valves has not been increased and the post-accident radiological releases will not be greater than previously determined nor does the proposed relief otherwise affect radiological plant effluents. Therefore, the Commission concludes that there are no significant radiological environmental impacts associated with this proposed relief.

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

Alternative Use of Resources: This action involves no use of resources not previously considered in the Final Environmental Statement (construction permit and operating license) for the Brunswick Steam Electric Plant, Units 1 and 2.

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

Finding of No Significant Impact

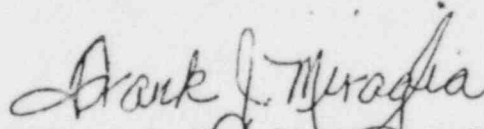
The Commission has determined not to prepare an environmental impact statement for the proposed relief.

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 the relief dated October 12, 1983, and supplement dated March 29, 1984, which are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C., and at the Southport Brunswick County Library 108 W. Moore St. Southport, North Carolina 28461.

Dated at Bethesda, Maryland this day of

FOR THE NUCLEAR REGULATORY COMMISSION



Frank J. Miraglia, Deputy Director
Division of Licensing
Office of Nuclear Reactor Regulation