

UNITED STATES NUCLEAR REGULATORY COMMISSIONVIRGINIA ELECTRIC AND POWER COMPANYDOCKET NO. 50-281NOTICE OF ENVIRONMENTAL ASSESSMENT AND FINDING OFNO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of a relief from the requirements of ASME Code Section XI to the Virginia Electric and Power Company (the licensee), for the Surry Power Station, Unit No. 2, located in Surry County, Virginia.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action: This relief will permit the licensee to hydrotest certain weld repairs on main steam piping at a pressure less than that required in the ASME Code Section XI, as incorporated in to Commission regulation in 10 CFR Section 50.55a(g).

The relief is responsive to the licensee's application dated December 9, 1983 and supplemented by letter dated August 17, 1984.

The Need for the Proposed Action: The proposed relief is needed because hydrotest pressure required by the Code cannot be attained due to system lay-out and pump capabilities. The licensee's proposed hydrotest procedures would ensure that these weld repairs attained sufficient integrity for future service. The licensee supplemented the Code requirements with a surface examination of the area which confirmed the adequacy of the repair.

Environmental Impacts of the Proposed Action: The proposed relief will provide a degree of assurance of operability that is equivalent to that

prescribed by the ASME Code. Consequently, the probability of the weld repair not retaining system pressure will not be increased and 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 Surry Power Station, Unit No. 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

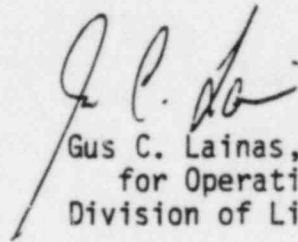
Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment. The Commission has determined not to prepare an environmental impact statement for the proposed relief.

For further details with respect to this action, see the application for the relief dated December 9, 1983, and supplement dated August 17,

1984, which is available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C., and at the Swem Library, College of William and Mary, Williamsburg, Virginia 23186.

Dated at Bethesda, Maryland this 30th day of November 1984.

FOR THE NUCLEAR REGULATORY COMMISSION



Gus C. Lainas, Assistant Director  
for Operating Reactors  
Division of Licensing