

January 21 1993

Docket Nos. 50-280  
and 50-281

Mr. W. L. Stewart  
Senior Vice President - Nuclear  
Virginia Electric and Power Company  
5000 Dominion Blvd.  
Glen Allen, Virginia 23060

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Dear Mr. Stewart:

SUBJECT: SURRY POWER STATION, UNITS 1 AND 2 - ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT RELATING TO AMENDMENT REQUEST FOR TYPE A TESTING AT CONTAINMENT DESIGN PRESSURE (TAC NOS. M79634 AND M79635)

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information. This notice relates to your amendment request dated November 14, 1990, which would revise the pressure at which the containment leak rate testing is performed.

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

Sincerely,

(Original Signed By)

Bart C. Buckley, Sr. Project Manager  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosure:  
Environmental Assessment

cc w/enclosure:  
See next page

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UNITED STATES NUCLEAR REGULATORY COMMISSIONVIRGINIA ELECTRIC AND POWER COMPANYSURRY POWER STATION, UNITS 1 AND 2DOCKET NOS. 50-280 AND 50-281

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of amendments to the Virginia Electric and Power Company (the licensee), for the Surry Power Station, Unit Nos. 1 and 2, located in Surry County, Virginia.

ENVIRONMENTAL ASSESSMENTIdentification of Proposed Action:

The proposed amendments would revise Technical Specification (TS) Section 4.4.B to require that Type A, B, and C testing be performed at 45 psig (containment design pressure) rather than 39.2 psig (previous calculated peak pressure).

The Need for the Proposed Action:

The proposed change to TS 4.4.B is necessary to ensure that the containment is tested at a pressure equal to or greater than calculated peak accident pressure.

Environmental Impacts of the Proposed Action:

The Commission has completed its evaluation of the proposed revisions to the TS and finds that increasing the containment test pressure for Type A, B, and C testing from 39.2 psig to 45.0 psig is acceptable. This change ensures that the containment is tested at a pressure equal to or greater than the calculated peak accident pressure of 44.98 psig. The increased calculated peak accident pressure and associated containment test pressure would not

increase the probability or consequences of accidents since the reanalysis results remain within the design basis. No changes are being made in the types of any effluents that may be released offsite, and there is no significant increase in the allowable individual or cumulative occupational radiation exposure. Accordingly, the Commission concludes that this action would result in no significant environmental impact.

With regard to potential non-radiological impacts, the proposed changes to the Technical Specifications involve systems located within the restricted area as defined in 10 CFR Part 20. They do not affect non-radiological plant effluents and have no other environmental impact. Therefore, the Commission concludes that there are no significant non-radiological environmental impacts associated with the proposed amendments.

The Notice of Consideration of Issuance of Amendments to Facility Operating Licenses and Opportunity for Hearing was published in the FEDERAL REGISTER on February 12, 1991 (56 FR 5712). No request for hearing or petition for leave to intervene was filed following this notice.

Alternatives to the Proposed Action:

Since the Commission has 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 amendments. This would not reduce the environmental impacts of plant operation and would result in no benefits to the public.

Alternative Use of Resources:

This action does not involve the use of any resources not previously considered in the Final Environmental Statement for the Surry Power Station, 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

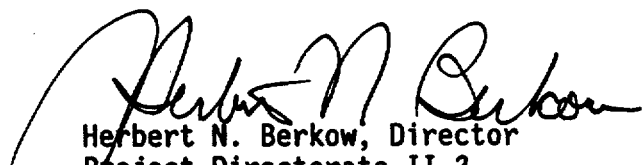
The Commission has determined not to prepare an environmental impact statement for the proposed amendments.

Based upon the foregoing environmental assessment, the NRC 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 application for amendments dated November 14, 1990, which is available for public inspection at the Commission's Public Document Room, the Gelman Building, 2120 L Street, NW., Washington, DC and at the Swem Library, College of William and Mary, Williamsburg, Virginia 23185.

Dated at Rockville, Maryland, this 13th day of January, 1993.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Herbert N. Berkow, Director  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation