

June 12, 1989

Docket Nos. 50-280
and 50-281

Mr. W. R. Cartwright
Vice President - Nuclear
Virginia Electric and Power Company
5000 Dominion Blvd.
Glen Allen, Virginia 23060

Dear Mr. Cartwright:

SUBJECT: SURRY UNITS 1 AND 2 - ENVIRONMENTAL ASSESSMENT AND FINDING
OF NO SIGNIFICANT IMPACT REGARDING SERVICE WATER SYSTEM
(TAC NOS. 72811 AND 72812)

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information, which relates to your application for amendments dated March 27, 1989, regarding the service water system.

The document is being forwarded to the Office of the Federal Register for publication.

Sincerely,

Original signed by

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

Enclosure: As stated

cc w/enclosure:
See next page

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[SURRY 1&2/TAC 72811/72812]

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Mr. W. R. Cartwright
Virginia Electric and Power Company

Surry Power Station

cc:

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UNITED STATES NUCLEAR REGULATORY COMMISSION
VIRGINIA ELECTRIC AND POWER COMPANY
DOCKET NOS. 50-280 AND 50-281
ENVIRONMENTAL ASSESSMENT AND FINDING OF
NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of amendments to Facility Operating License Nos. DPR-32 and DPR-37, issued to Virginia Electric and Power Company (the licensee), for operation of the Surry Power Station, Units 1 and 2, located in Surry County, Virginia.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action:

The proposed amendments would revise the provisions in the Technical Specifications (TS) by: (1) raising the minimum required high level intake canal water level from 18 feet to 23 feet, (2) increasing the requirement from two to three emergency service water pumps to be operable with provisions for limited duration outages, and (3) providing operability and surveillance requirements for the new safety-related high level intake canal level actuation system.

The proposed action is in accordance with the licensee's application for amendment dated March 27, 1989.

The Need for the Proposed Action:

The proposed changes to the TS are required to maintain a higher water level in the intake canal to ensure adequate flow through the component cooling water (CCW) system and other safety-related heat exchangers during accident conditions.

Environmental Impacts of the Proposed Action:

The Commission has completed its evaluation of the proposed revisions to the TS. The proposed revisions would require the licensee to raise the water level in the intake canal from 18 feet to 23 feet; require three emergency service water pumps to be operable; and cause isolation of the main condenser and certain service water isolation valves upon receipt of a signal from the safety-related canal low level actuation system. The proposed revisions will also require operability and surveillance requirements for the new safety-related canal water level actuation system. The proposed changes do not increase the probability or consequences of accidents, 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 proposed action would result in no significant radiological environmental impact.

With regard to potential non-radiological impacts, the proposed changes to the TS involve systems which are not located within the restricted area as defined in 10 CFR Part 20. These changes 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 amendment.

The Notice of Consideration of Issuance of Amendments and Opportunity for Hearing in connection with this action was published in the FEDERAL REGISTER on April 10, 1989 (54 FR 14303). No request for hearing or petition for leave to intervene was filed following this notice.

Alternatives to the Proposed Action:

Since the Commission concluded that there are no significant environmental effects that would result from the proposed action, 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 environmental impacts of plant operation and would result in reduced operational flexibility.

Alternative Use of Resources:

This action does not involve the use of any resources not previously considered in the Final Environmental Statements 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

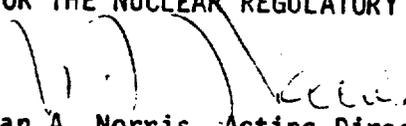
The Commission has determined not to prepare an environmental impact statement for the proposed license amendments.

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 amendments dated March 27, 1989, which is available for public inspection at the Commission's Public Document Room, 2120 L Street, N.W., Washington, D.C. and at the Swem Library, College of William and Mary, Williamsburg, Virginia 23185.

Dated at Rockville, Maryland, this 12th day of June 1989.

FOR THE NUCLEAR REGULATORY COMMISSION


Jan A. Norris, Acting Director
Project Directorate II-2
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation