

February 18, 1993

Docket Nos. 50-280  
and 50-281

Mr. W. L. Stewart  
Senior Vice President - Nuclear  
Virginia Electric and Power Company  
5000 Dominion Blvd.  
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Dear Mr. Stewart:

SUBJECT: SURRY POWER STATION, UNITS 1 AND 2 - ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT REGARDING NON-ESSENTIAL SERVICE WATER ISOLATION ACTUATION LOGIC (TAC NOS. M84470 AND M84471)

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information. This notice relates to your application for amendments dated September 4, 1992, regarding the non-essential service water isolation actuation logic.

The assessment has been 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:  
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 Facility Operating License Nos. DPR-32 and DPR-37, issued to 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 modify Technical Specification (TS) Table 3.7-2, Item 5, "NON-ESSENTIAL SERVICE WATER," to include operability requirements for the actuation logic. Specifically, Item 5.b, "Automatic actuation logic," is being added to indicate total number of channels, minimum operable channels, channels to trip, and Operator Action 14. The action statement will require the unit to be placed in hot shutdown within 12 hours when the minimum channels operable requirements are not met and allow one channel of the actuation logic to be bypassed for up to 8 hours for surveillance testing.

The proposed action is in accordance with the licensee's application for amendment dated September 4, 1992.

The Need for the Proposed Action:

The proposed changes to the TS permit an allowable outage time for surveillance testing of the non-essential service water actuation logic and include operability requirements and an action statement for the actuation logic.

Environmental Impacts of the Proposed Action:

The Commission has completed its evaluation of the proposed revisions to the TS. The proposed revisions would allow an 8-hour permissible bypass condition for the performance of the non-essential service water isolation actuation logic surveillance testing and include operability requirements for the actuation logic. 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 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 October 20, 1992 (57 FR 47884). 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 the 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, 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 September 4, 1992, 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 18th day of February 1993.

FOR THE NUCLEAR REGULATORY COMMISSION

*Bart C. Buckley*  
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