

May 6, 1993

Docket Nos. 50-280
and 50-281

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

Dear Mr. Stewart:

SUBJECT: SURRY POWER STATION, UNITS 1 AND 2 - ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT RELATING TO AMENDMENT REQUEST FOR RECIRCULATION MODE TRANSFER FUNCTION (TAC NOS. M84310 AND M84311)

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 August 7, 1992, which would allow continued operation with two-out-of-three recirculation mode transfer actuation logic versus the normal two-out-of-four logic.

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:
Assessment

cc w/enclosure:
See next page

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Surry Power Station

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UNITED STATES NUCLEAR REGULATORY COMMISSIONVIRGINIA ELECTRIC AND POWER COMPANYSURRY POWER STATION, UNITS 1 AND 2DOCKET NOS. 50-280 AND 50-281ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

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 modify Technical Specification (TS) Table 3.7-2, by adding Item 7, "RECIRCULATION MODE TRANSFER," to include operability requirements for actuation logic. Specifically, Item 7.a, "RWST Level-Low," is being added to indicate total number of channels, channels to trip, and Operator Action 25. The action statement will require an inoperable channel to be placed in bypass within 6 hours with the total number of operable channels one less than the total number of channels or be in HOT SHUTDOWN within the next 6 hours and allow one additional channel of the actuation logic to be bypassed for up to 4 hours for surveillance testing. In effect, this allows continued operation with a two-out-of-three recirculation mode transfer actuation logic versus the normal two-out-of-four logic.

The proposed action is in accordance with the licensee's application for amendment dated August 7, 1992.

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The Need for the Proposed Action:

The proposed changes to the TS permit an allowable outage time for surveillance testing of the recirculation mode transfer actuation logic and include operability requirements and an action statement for the actuation logic which provides for operational flexibility to avoid unnecessary plant transients.

Environmental Impact of the Proposed Action:

The Commission has completed its evaluation of the revisions to the TS. The proposed revisions would allow a 4-hour permissible bypass condition for the performance of the recirculation mode transfer actuation logic surveillance testing and include operability requirements for the actuation logic. Although continued operation with a level channel in bypass could be considered a decrease in the overall reliability of the automatic actuation and, therefore, of equipment important to safety, the difference in reliability between two-out-of-three logic and two-out-of-four logic is not considered to be significant to accomplish the recirculation mode transfer function. 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 amendments.

The Notice of Consideration of Issuance of Amendments to Facility Operating Licenses and Opportunity for Hearing was published in the FEDERAL REGISTER on December 10, 1992 (57 FR 58522). 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

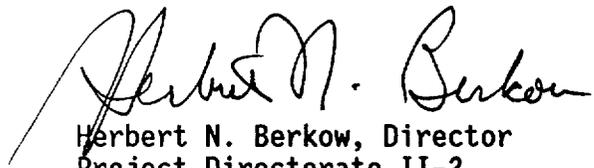
The Commission has determined not to prepare an environmental impact statement for the proposed license amendments.

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 August 7, 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 6th day of May 1993.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in black ink, appearing to read "Herbert N. Berkow". The signature is written in a cursive style with a large initial "H".

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