

Mr. J. P. O'Hanlon  
Senior Vice President, Nuclear  
Virginia Electric and Power Company  
5000 Dominion Blvd.  
Glen Allen, Virginia 23060

February 28, 1995

SUBJECT: ENVIRONMENTAL ASSESSMENT OF EXEMPTION REQUEST FROM 10 CFR PART 50,  
APPENDIX J - SURRY POWER STATION, UNIT NO. 2

Dear Mr. O'Hanlon:

Enclosed is a copy of the Environmental Assessment and Finding of No Significant Impact related to your application for exemption dated February 14, 1995. The proposed exemption would provide a one-time interval extension for the Type A test (containment integrated leak rate test) from the February 1995 refueling outage to the May 1996 refueling outage.

The assessment is being 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

Docket No. 50-281

Enclosure: Environmental Assessment

cc w/enclosure:  
See next page

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Mr. J. P. O'Hanlon  
Virginia Electric and Power Company

Surry Power Station  
Units 1 and 2

cc:

Michael W. Maupin, Esq.  
Hunton and Williams  
Riverfront Plaza, East Tower  
951 E. Byrd Street  
Richmond, Virginia 23219

Attorney General  
Supreme Court Building  
101 North 8th Street  
Richmond, Virginia 23219

Mr. David Christian, Manager  
Surry Power Station  
Post Office Box 315  
Surry, Virginia 23883

Mr. M. L. Bowling, Manager  
Nuclear Licensing & Programs  
Virginia Electric and Power Company  
Innsbrook Technical Center  
5000 Dominion Blvd.  
Glen Allen, Virginia 23060

Senior Resident Inspector  
Surry Power Station  
U.S. Nuclear Regulatory Commission  
5850 Hog Island Road  
Surry, Virginia 23883

Roy Denmark (5 copies)  
Environmental Review Coordinator  
841 Chestnut Street  
Philadelphia, PA 19107

Chairman  
Board of Supervisors of Surry County  
Surry County Courthouse  
Surry, Virginia 23683

Dr. W. T. Lough  
Virginia State Corporation  
Commission  
Division of Energy Regulation  
Post Office Box 1197  
Richmond, Virginia 23209

Regional Administrator, Region II  
U.S. Nuclear Regulatory Commission  
101 Marietta Street N.W., Suite 2900  
Atlanta, Georgia 30323

Robert B. Strobe, M.D., M.P.H.  
State Health Commissioner  
Office of the Commissioner  
Virginia Department of Health  
P.O. Box 2448  
Richmond, Virginia 23218

UNITED STATES NUCLEAR REGULATORY COMMISSION  
VIRGINIA ELECTRIC AND POWER COMPANY  
DOCKET NO. 50-281  
SURRY POWER STATION, UNIT NO. 2  
ENVIRONMENTAL ASSESSMENT AND FINDING OF  
NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an exemption from Facility Operating License No. DPR-37, issued to Virginia Electric and Power Company (the licensee), for operation of the Surry Power Station, Unit No. 2 (SPS2) located in Surry County, Virginia.

ENVIRONMENTAL ASSESSMENT

Identification of the Proposed Action:

This Environmental Assessment has been prepared to address potential environmental issues related to the licensee's application of February 14, 1995. The proposed action would exempt the licensee from the requirements of 10 CFR Part 50, Appendix J, Paragraph III.D.1.(a), to the extent that a one-time interval extension for the Type A test (containment integrated leak rate test) by approximately 15 months from the February 1995 refueling outage to the May 1996 refueling outage would be granted.

The Need for the Proposed Action:

The proposed action is needed to permit the licensee to defer the Type A test from the February 1995 refueling outage to the May 1996 refueling outage, thereby saving the cost of performing the test and eliminating the test period from the critical path time of the outage.

**Environmental Impacts of the Proposed Action:**

The Commission has completed its evaluation of the proposed action and concludes that the proposed one-time exemption would not increase the probability or consequences of accidents previously analyzed and the proposed one-time exemption would not affect facility radiation levels or facility radiological effluents. The licensee will continue to be required to conduct the Type B and C local leak rate tests which historically have been shown to be the principal means of detecting containment leakage paths with the Type A tests confirming the Type B and C test results. It is also noted that the licensee, as a condition of the proposed exemption, will perform the visual containment inspection although it is only required by Appendix J to be conducted in conjunction with Type A tests. The NRC staff considers that these inspections, though limited in scope, provide an important added level of confidence in the continued integrity of the containment boundary. The NRC staff also notes that the containment is maintained at a subatmospheric pressure which provides a means for continuously monitoring potential containment leakage paths during power operation. The change will 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 there are no significant radiological environmental impacts associated with the proposed action.

With regard to potential nonradiological impacts, the proposed action does involve features located entirely within the restricted area as defined in 10 CFR Part 20. It does not affect nonradiological plant effluents and has

no other environmental impact. Accordingly, the Commission concludes that there are no significant nonradiological environmental impacts associated with the proposed action.

Alternatives to the Proposed Action:

Since the Commission has concluded there is no measurable environmental impact associated with the proposed action, any alternatives with equal or greater environmental impact need not be evaluated. As an alternative to the proposed action, the NRC staff considered denial of the proposed action. Denial of the application would result in no change in current environmental impacts.

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, Unit No. 2.

Agencies and Persons Consulted:

In accordance with its stated policy, the NRC staff consulted with the Virginia State official regarding the environmental impact of the proposed action. The State official had no comments.

FINDING OF NO SIGNIFICANT IMPACT

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

For further details with respect to the proposed action, see the licensee's letter dated February 14, 1995, 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 local public document room  
located at the Swem Library, College of William and Mary, Williamsburg,  
Virginia 23185.

Dated at Rockville, Maryland, this 28th day of February 1995.

FOR THE NUCLEAR REGULATORY COMMISSION



Richard P. Croteau, Acting Director  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation