

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

April 18, 1996

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

Serial No. 96-052
NL&OS/ETS: R0
Docket Nos. 50-338
50-339
50-280
50-281
License Nos. NPF-4
NPF-7
DPR-32
DPR-37

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNITS 1 AND 2
SURRY POWER STATION UNITS 1 AND 2
GENERIC LETTER 96-01 TESTING OF SAFETY-RELATED LOGIC CIRCUITS

On January 10, 1996, the NRC issued Generic Letter 96-01, entitled "Testing of Safety Related Logic Circuits." The generic letter requested two actions. First, compare electrical schematic drawings and logic diagrams for the Reactor Protection System, Emergency Diesel Generator load shedding and sequencing, and actuation logic for Engineered Safety Features systems against plant surveillance test procedures to ensure that all portions are adequately covered in the surveillance procedures to fulfill the Technical Specification requirements. Second, revise surveillance procedures as necessary for complete testing to comply with Technical Specifications. Additionally, licensees that have already performed the requested reviews should review any safety related logic circuit modifications made to the systems since their review.

A systematic review of the surveillance program at North Anna and Surry was completed in June 1993 and October 1993, respectively. To ensure full compliance with Technical Specifications, a line-by-line examination was performed to verify that Technical Specifications surveillance requirements are completely addressed by station procedures. During these reviews, several cases of incomplete testing were identified and reported by LERs. Each case was subsequently tested satisfactorily and the associated procedures were revised. In addition, Surry Technical Specifications were

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revised to clarify the surveillance requirements for Reactor Protection and Engineered Safeguard Systems instrumentation and actuation logic.

Since the completion of the Technical Specification Surveillance Review Project, no modifications have been made to safety-related logic circuits that would invalidate previous functional testing. As modifications to the plant are made by design changes, post modification testing is performed. Both North Anna and Surry use functional testing in the Technical Specification surveillance procedures to demonstrate the operability of Technical Specification logic circuits, wires, and equipment. It should be noted that in addition to the requested actions in the generic letter, reviews were also performed on reactivity control, power distribution limits, reactor coolant system, emergency core cooling system, containment, plant systems, electric power, refueling, special test exceptions, and radioactive storage. The NRC has reviewed our Technical Specification Surveillance Review Project and concluded in inspection reports, IR 50-338/339-94-02 for North Anna and IR 50-280/281-94-24 for Surry, that the review was thorough and contributed to improvement of the surveillance program.

If you have any questions, please contact us.

Very truly yours,



James P. O'Hanlon
Senior Vice President - Nuclear

cc: Regional Administrator
U.S. Nuclear Regulatory Commission
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Mr. R. D. McWhorter
NRC Senior Resident Inspector
North Anna Power Station

Mr. M. W. Branch
NRC Senior Resident Inspector
Surry Power Station

COMMONWEALTH OF VIRGINIA)
)
COUNTY OF HENRICO)

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by J. P. O'Hanlon, who is Senior Vice President - Nuclear, of Virginia Electric and Power Company. He is duly authorized to execute and file the foregoing document in behalf of that Company, and the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 18TH day of April, 1996.
My Commission Expires: May 31, 1998.

Vicki L. Hull
Notary Public

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