



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 28, 2011

Mr. David A. Heacock
President and Chief Nuclear Officer
Virginia Electric and Power Company
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

SUBJECT: NORTH ANNA POWER STATION, UNIT NO. 2 - REVIEW OF THE STEAM
GENERATOR TUBE INSPECTIONS PERFORMED DURING SPRING 2010
(TAC NO. ME4806)

Dear Mr. Heacock:

By letter dated September 21, 2010 (Agencywide Documents Access and Management System Accession No. ML102640440), Virginia Electric and Power Company, Inc. (the licensee), submitted information summarizing the results of the spring 2010 steam generator (SG) tube inspections performed at the North Anna Power Station, Unit No. 2 (NAPS) during the 2010 refueling outage.

The U.S. Nuclear Regulatory Commission (NRC) has completed its review of this information and concludes that the licensee provided the information required by the NAPS Technical Specifications and that no additional follow-up action is required at this time. The results of the NRC staff's review are summarized in the enclosure to this letter. If you have any questions, please contact me at 301-415-6606 or via e-mail at Joel.Wiebe@nrc.gov.

Sincerely,

A handwritten signature in cursive script that reads "Joel S. Wiebe".

Joel S. Wiebe, Senior Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-339

Enclosure:
Review of SG Tube Inspection

cc w/encl: Distribution via Listserv



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REVIEW OF THE STEAM GENERATOR TUBE INSERVICE INSPECTION REPORT

FOR THE SPRING 2010 REFUELING OUTAGE

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION, UNIT NO. 2

DOCKET NO. 50-339

By letter dated September 21, 2010 (Agencywide Documents Access and Management System (ADAMS), Accession No. ML102640440), Virginia Electric and Power Company (the licensee) submitted a report summarizing the steam generator (SG) tube inspections performed during the spring 2010 refueling outage for North Anna Power Station, Unit No. 2 (NAPS).

NAPS has 3 replacement Westinghouse Model 54F SGs which are designated A, B, and C. Each SG contains 3592 thermally treated Inconel 690 tubes which have an outside diameter of 0.875 inches and a wall thickness of 0.050 inches. The tubes have been hydraulically expanded into the tubesheet and the stainless steel Type 405 tube support plates contain broached quatrefoil holes. These SGs began operation in 1995.

The licensee provided the scope, extent, methods, and results of the NAPS SG tube inspections in the report referenced above. Only the tubes in SG B were inspected during the 2010 outage. By e-mail dated January 20, 2011 (ADAMS Accession No. ML110560570), the licensee clarified that no secondary side degradation was identified during the secondary side inspections performed in 2010.

Based on a review of the information provided, the Nuclear Regulatory Commission (NRC) staff concludes that the licensee provided the information required by their technical specifications. In addition, the NRC staff concludes that there are no technical issues that warrant follow-up action at this time since the inspections appear to be consistent with the objective of detecting potential tube degradation and the inspection results appear to be consistent with industry operating experience at similarly designed and operated units.

Principal Contributor: Aloysius O. Obodoako, NRR/DCI

Date: February 28, 2011

Enclosure

February 28, 2011

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Sincerely,

/RA/

Joel S. Wiebe, Senior Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-339

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Review of SG Tube Inspection

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ADAMS Accession No. ML110550124

*Transmitted by memo dated 2/17/2011

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