October 28, 2003

Mr. David A. Christian
Sr. Vice President and Chief Nuclear Officer
Virginia Electric and Power Company
Innsbrook Technical Center
5000 Dominion Blvd.
Glen Allen, Virginia 23060-6711

SUBJECT: NORTH ANNA AND SURRY POWER STATIONS, UNITS 1 AND 2 - REQUEST TO USE SUBSEQUENT EDITION AND ADDENDA OF ASME SECTION XI FOR QUALIFICATION OF EXAMINATION PERSONNEL (TAC NOS. MB8787, MB8788, MB8914, AND MB9529)

Dear Mr. Christian:

By letter dated May 6, 2003, as supplemented by letter dated June 12, 2003, Virginia Electric and Power Company requested approval to use the 1998 Edition through the 2000 Addenda of American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, subsection IWA-2300 (including references to the 1995 Edition of CP-189-1995, entitled "ASNT Standard for Qualification and Certification of Nondestructive Testing Personnel"), Appendices VI and VII of the ASME Code, and any rule modification and limitation, in order to establish examiner qualification requirements for the containment programs at North Anna Power Station, Units 1 and 2 (NAPS) and Surry Power Station, Units 1 and 2 (SPS).

Our evaluation and conclusion are contained in the enclosed Safety Evaluation. The Nuclear Regulatory Commission staff has concluded that your proposal to use the 1998 Edition through the 2000 Addenda of ASME Code, Section XI, subsection IWA-2300 (including references to the 1995 Edition of CP-189-1995), Appendices VI and VII of the ASME Code, and any rule modification and limitation, in order to establish examiner qualification requirements for the containment programs is approved pursuant to Title 10 of the *Code of Federal Regulations* Section 50.55a(g)(4)(iv) for the 1992 Edition and the 1992 Addenda of ASME Section XI containment programs at NAPS and SPS. This approval applies to the first interval IWE and second interval IWL inservice inspection intervals at NAPS and SPS.

TAC Nos. MB8787, MB8788, MB8914, and MB9529 will remain open and will be closed after disposition of your request to use the portions of a later ASME Code and Addenda associated with the qualification of nondestructive examination personnel for ASME Code Class 1, 2, and 3 components.

Sincerely,

/RA/

John A. Nakoski, Chief, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-280, 50-281,
50-338, and 50-339

Enclosure: As stated

cc w/encl: See next page

TAC Nos. MB8787, MB8788, MB8914, and MB9529 will remain open and will be closed after disposition of your request to use the portions of a later ASME Code and Addenda associated with the qualification of nondestructive examination personnel for ASME Code Class 1, 2, and 3 components.

Sincerely,

/RA/

John A. Nakoski, Chief, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-280, 50-281,
50-338, and 50-339

Enclosure: As stated

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SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

UPDATED REFERENCED ASME CODE EDITION AND ADDENDA

CONTAINMENT PROGRAMS

SURRY POWER STATION, UNITS 1 AND 2

NORTH ANNA POWER STATION, UNITS 1 AND 2

VIRGINIA ELECTRIC AND POWER COMPANY

DOCKET NOS. 50-280, 50-281, 50-338, AND 50-339

1.0 INTRODUCTION

By letter dated May 6, 2003, as supplemented by letter dated June 12, 2003, Virginia Electric and Power Company (the licensee) requested approval to use the 1998 Edition through the 2000 Addenda (98-2000) of American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (Code), Section XI, subsection IWA-2300 (including references to the 1995 Edition of CP-189-1995, entitled "ASNT Standard for Qualification and Certification of Nondestructive Testing Personnel"), Appendices VI and VII of the ASME Code, and any rule modification and limitation, in order to establish examiner qualification requirements for the inservice inspection (ISI) interval and containment programs at North Anna Power Stations, Units 1 and 2 (NAPS) and Surry Power Stations, Units 1 and 2 (SPS). NAPS and SPS are currently on the first interval IWE and second interval IWL ISI intervals.

The U.S. Nuclear Regulatory Commission (NRC) staff is currently reviewing the licensee's request for the ISI programs at NAPS and SPS; as such, this safety evaluation will only address the licensee's request for the containment programs. The NRC staff will provide its evaluation of the ISI programs under separate correspondence.

2.0 REGULATORY EVALUATION

In the *Federal Register* dated August 8, 1996, the Commission amended Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.55a to incorporate by reference the 1992 Edition through the 1992 Addenda of the ASME Code, Section XI, Subsections IWE and IWL. Subsection IWE provides the requirements for ISI of Class MC (metallic containment components) and the metallic liner of Class CC (concrete containment programs). Subsection IWL provides the requirements for ISI of Class CC components. The Code of record for NAPS and SPS is the 1992 Edition with the 1992 Addenda.

3.0 TECHNICAL EVALUATION

By letter dated May 6, 2003, as supplemented by letter dated June 12, 2003, the licensee requested that the NRC approve the use of a portion of a more recent edition and addenda of the ASME Code, Section XI. Specifically, the licensee requested approval to use the 98-2000 ASME Code, Section XI, subsection IWA-2300, including references to the 1995 Edition of CP-189-1995, Appendices VI and VII of the ASME Code, and any rule modification and limitation in order to establish the ISI examiner qualification requirements for the containment programs at NAPS and SPS. Subsection IWA-2300 is used to establish the qualification requirements for nondestructive examination personnel. However, the licensee proposed to maintain the VT-1, VT-2, and VT-3 examination requirements, not the General Visual and Detailed Visual requirements for IWE specified in the 98-2000 ASME Code, so that common examiner qualification requirements could be used to aid in resource flexibility and examiner qualification tracking.

10 CFR 50.55a(g)(4)(iv) states that inservice examination of components and system pressure tests may meet the requirements set forth in subsequent editions and addenda that are incorporated by reference in 10 CFR 50.55a(b), subject to the limitations and modifications listed therein, and subject to NRC staff approval. Furthermore, 10 CFR 50.55a(g)(4)(iv) states that portions of editions or addenda may be used provided that all related requirements of the respective editions and addenda are met. The requirements contained in the 98-2000 ASME Code, Section XI were incorporated by reference in 10 CFR 50.55a(b) on September 26, 2002 (67 FR 60520). The specific limitations and modifications placed on subsection IWA-2300 are described in 10 CFR 50.55a(b)(2)(xviii) and must be followed by the licensee.

The licensee's use of VT-1, VT-2, and VT-3 examination requirements, in lieu of the General Visual and Detailed Visual requirements for IWE as specified in the 98-2000 ASME Code, is acceptable because these examination requirements are part of the current Code of record. During the transition to the next ISI program interval pursuant to 10 CFR 50.55a(g)(4)(ii), it is anticipated that the 98-2000 ASME Code, Section XI will be adopted as the basis for the ISI program. In order to continue using the VT-1, VT-2, and VT-3 examination requirements in lieu of the General Visual and Detailed Visual requirements that are specified in the 98-2000 ASME Code, the licensee will again be required to submit the aforementioned alternate examination requirements for NRC staff approval pursuant to 10 CFR 50.55a(a)(3).

4.0 CONCLUSION

Based upon the incorporation by reference of the 98-2000 ASME Code and the licensee meeting all related requirements including applicable limitations of and modifications to IWA-2300, the licensee's request to use the 98-2000 ASME Code, Section XI, subsection IWA-2300 (including references to the 1995 Edition of CP-189-1995), Appendices VI and VII of the ASME Code, and any rule modification and limitation, in order to establish examiner

qualification requirements for the containment programs at SPS and NAPS is approved pursuant to 10 CFR 50.55a(g)(4)(iv). This approval applies to the first interval IWE and second interval IWL ISI intervals at NAPS and SPS.

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Date: October 28, 2003

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