July 21, 2005

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: SURRY POWER STATION, UNIT 2 - REQUEST FOR ADDITIONAL INFORMATION REGARDING PROPOSED RELIEF REQUEST FOR THE MAIN STEAMLINE BRANCH CONNECTION WELDOLETS (TAC NO. MC7013)

Dear Mr. Christian:

By letter dated May 20, 2005, Virginia Electric and Power Company (VEPCO) submitted a relief request to use a later edition and addenda to the American Society of Mechanical Engineers Code, Section XI to support the repair and replacement of a main steamline connection at Surry Power Station, Unit 2. Based on its review of the May 20, 2005, submittal, the NRC staff has determined that additional information is required to complete its review.

The NRC staff's questions are provided in the Enclosure. The NRC staff requests a response to this request for additional information within 30 days of the date of this letter.

Sincerely,

/RA/

Stephen R. Monarque, Project Manager, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-281

Enclosure: As stated

cc w/enclosure: See next page

July 21, 2005

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: SURRY POWER STATION, UNIT 2 - REQUEST FOR ADDITIONAL INFORMATION REGARDING PROPOSED RELIEF REQUEST FOR THE MAIN STEAMLINE BRANCH CONNECTION WELDOLETS (TAC NO. MC7013)

Dear Mr. Christian:

By letter dated May 20, 2005, Virginia Electric and Power Company (VEPCO) submitted a relief request to use a later edition and addenda to the American Society of Mechanical Engineers Code, Section XI to support the repair and replacement of a main steamline connection at Surry Power Station, Unit 2. Based on its review of the May 20, 2005, submittal, the NRC staff has determined that additional information is required to complete its review.

The NRC staff's questions are provided in the Enclosure. The NRC staff requests a response to this request for additional information within 30 days of the date of this letter.

Sincerely,

/RA/
Stephen R. Monarque, Project Manager, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-281

Enclosure: As stated

cc w/enclosure: See next page

Distribution:
PUBLIC
PDII-1 Rdg.
RidsNrrDlpmLpdii1 (EMarinos)
RidsNrrLAEDunnington (Hard Copy)
RidsNrrPMSMonarque (Hard Copy)
RidsOgcRp
KLandis
DNaujock
RidsRgn2MailCenter
TChan
RidsNrrDlpmDpr
RidsAcrsAcnwMailCenter

ADAMS Accession No.: ML052020017 NRR-088

OFFICE	PDII-1/PM	PDII-2/LA	PDII-1/SC
NAME	SMonarque	EDunnington	EMarinos
DATE	7/20/05	7/20/05	7/21/05

OFFICIAL RECORD COPY

REQUEST FOR ADDITIONAL INFORMATION

RELIEF REQUEST TO USE LATER EDITION AND ADDENDA OF ASME CODE

SURRY POWER STATION, UNIT 2

VIRGINIA ELECTRIC AND POWER COMPANY

1. Was the original nozzle a Weldolet nozzle? Except for wall thickness, is the replacement nozzle the same configuration as the original nozzle, and is the weld prep the same configuration as the original weld prep? What is the pipe material and wall thickness?

2. The submittal dated May 20, 2005, states that the construction code 1967 Edition of ANSI B31.1 did not require a radiographic test. What are the construction Code nondestructive examination (NDE) inspection requirements? IWA-4540 states that supplemental Owner requirements shall be met. What are the supplementary (Owner) NDE inspection requirements, if any?

3. The proposed alternative stated that welds will be examined using American Society of Mechanical Engineers (ASME), Section V methodologies with the acceptance criteria to Section III, NC-5330. What ASME Code edition and addenda will be used? Discuss any ustrasonic testing demonstration performed with the procedure to show the effectiveness of the ASME Section V methodologies.

4. This configuration is similar to a nozzle-to-vessel weld (Section XI, Appendix VIII, Supplement 7). For supplement 7 procedure qualifications, computer modeling techniques have been used to identify optimum transducer angles needed to achieve maximum volume coverage. For the augmented inspection plan, discuss the procedure qualification that will be used to achieve maximum coverage.

5. IWA-4540 allows using a system hydrostatic test instead of a volumetric examination. Explain the difficulties with performing a system hydrostatic test. What action must be taken to isolate the weld and explain why this action is a hardship?

Surry Power Station, Units 1 & 2

cc:

Ms. Lillian M. Cuoco, Esq.
Senior Counsel
Dominion Resources Services, Inc.
Building 475, 5th Floor
Rope Ferry Road
Waterford, Connecticut 06385

Mr. Donald E. Jernigan
Site Vice President
Surry Power Station
Virginia Electric and Power Company
5570 Hog Island Road
Surry, Virginia 23883-0315

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

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 23218

Dr. Robert B. Stroube, MD, MPH
State Health Commissioner
Office of the Commissioner
Virginia Department of Health
Post Office Box 2448
Richmond, Virginia 23218

Office of the Attorney General
Commonwealth of Virginia
900 East Main Street
Richmond, Virginia 23219

Mr. Chris L. Funderburk, Director
Nuclear Licensing & Operations Support
Dominion Resources Services, Inc.
Innsbrook Technical Center
5000 Dominion Blvd.
Glen Allen, Virginia 23060-6711