

April 5, 2006

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

SUBJECT: SURRY POWER STATION, UNIT NO. 2 (SURRY 2 ) - REQUEST FOR  
ADDITIONAL INFORMATION (RAI) REGARDING PROPOSED RELIEF  
REQUEST CMP-006 (REVISION 1) TO USE CODE CASE N-706 AS AN  
ALTERNATIVE FOR ASME CODE, SECTION XI, REQUIRED INSERVICE  
INSPECTIONS ON THE REGENERATIVE AND RESIDUAL HEAT  
EXCHANGERS (TAC NO. MD0021)

Dear Mr. Christian:

By letter dated February 9, 2006, Virginia Electric and Power Company (VEPCO) submitted proposed relief request CMP-006, Revision 1 for Surry 2 to make use of Code Case N-706 as an alternative for American Society of Mechanical Engineers, *Boiler and Pressure Vessel Code*, Section XI required inservice inspections on the Regenerative and Residual Heat Exchangers. Based on its review of the February 9, 2006, submittal, the Nuclear Regulatory Commission (NRC) staff has determined that additional information is required to complete its review.

The NRC staff's questions are provided in the enclosure. In its February 9, 2006, submittal, VEPCO requested approval of this relief request for the duration of the Fourth Inservice Inspection Interval. In order to support VEPCO's relief request, the NRC staff requests a response to this RAI within 30 days of the date of this letter.

Sincerely,

**/RA/**

Stephen R. Monarque, Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-281

Enclosure:  
RAI

ccw/encl: See next page

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SUBJECT: SURRY POWER STATION, UNIT NO. 2 (SURRY 2) - REQUEST FOR ADDITIONAL INFORMATION (RAI) REGARDING PROPOSED RELIEF REQUEST CMP-006 (REVISION 1) TO USE CODE CASE N-706 AS AN ALTERNATIVE FOR ASME CODE, SECTION XI, REQUIRED INSERVICE INSPECTIONS ON THE REGENERATIVE AND RESIDUAL HEAT EXCHANGERS (TAC NO. MD0021)

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REQUEST FOR ADDITIONAL INFORMATION

PROPOSED RELIEF REQUEST CMP-006, REVISION 1

SURRY POWER STATION, UNIT NO. 2

VIRGINIA ELECTRIC AND POWER COMPANY

By letter dated February 9, 2006 (Agencywide Documents Access and Management System Accession No. ML060400445), the Virginia Electric and Power Company (the licensee) submitted Request for Relief No. CMP-006, Revision 1 from the requirements of the American Society of Mechanical Engineers, *Boiler and Pressure Vessel Code* (ASME Code), Section XI, for Surry Power Station, Unit No. 2 (Surry 2).

The request for relief is for the fourth 10-year inservice inspection (ISI) interval, in which Surry 2 adopted the 1998 edition through the 2000 addenda of ASME Code, Section XI as the ASME Code of record.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR), 50.55a(a)(3)(i), the licensee has submitted the subject relief request requesting to use ASME Code Case N-706, "Alternative Examination Requirements of Table IWB-2500-1 and Table IWC-2500-1 for PWR Stainless Steel Residual and Regenerative Heat Exchanger Section XI, Division 1." ASME Code Case N-706 allows the licensee to perform VT-2 visual examinations in lieu of the volumetric or surface examinations specified for Residual and Regenerative Heat Exchangers pressure-retaining welds. ASME Code Case N-706 is based on a Westinghouse report, "Technical Basis for Revision of Inspection Requirements for Regenerative and Residual Heat Exchangers," prepared at the request of the Westinghouse Owner's Group.

The NRC staff requests responses to the following questions in order to continue the review of this Relief Request:

Questions

ASME Code Case N-706, Table 1, Note 2 requires that all welds shall have received at least one volumetric examination. The preservice or Construction Code volumetric examination may be used to meet this requirement.

- (a) Please confirm that the pressure-retaining welds in the Surry 2 Residual Heat Exchangers 2-RH-E-1A and 2-RH-E-1B, and Regenerative Heat Exchanger 2-CH-E-3 have received at least one volumetric examination as stated in Note 2 of Table 1 in ASME Code Case N-706.
- (b) Please provide the date of the examination and findings, if any.
- (c) Please provide the start and end dates for the fourth 10-year ISI interval.

Surry Power Station, Units 1 & 2

cc:

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