

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

October 18, 2018

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No.: 18-199A
SPS-LIC/CGL R0
Docket No.: 50-281
License No.: DPR-37

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNIT 2
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
REGARDING RELIEF REQUEST S2-I5-LMT-P01
EXAMINATION CATEGORY R-A, PRESERVICE WELD EXAMINATIONS

By letter dated June 4, 2018 (Serial No. 18-199), Virginia Electric and Power Company (Dominion Energy Virginia) submitted relief requests for limited coverage examinations performed in the first period of the fifth 10-year inservice inspection interval at Surry Power Station Unit 2. One of the relief requests in the letter was Relief Request (RR) S2-I5-LMT-P01, "Examination Category R-A, Preservice Weld Examinations."

On September 25, 2018, the NRC requested additional information regarding RR S2-I5-LMT-P01. The response to the NRC's request for additional information is provided in the attachment.

If you have further questions or require additional information, please contact Mr. Gary D. Miller at (804) 273-2771.

Respectfully,



Mark D. Sartain
Vice President – Nuclear Engineering and Fleet Support

Attachment: Response to Request for Additional Information Regarding Relief Request S2-I5-LMT-P01 - Examination Category R-A, Preservice Weld Examinations

Commitments made by this letter: None

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NRR

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Attachment

Response to Request for Additional Information
Regarding Relief Request S2-I5-LMT-P01
Examination Category R-A, Preservice Weld Examinations

Virginia Electric and Power Company
(Dominion Energy Virginia)
Surry Power Station Unit 2

Response to Request for Additional Information
Regarding Relief Request S2-I5-LMT-P01
Examination Category R-A, Preservice Weld Examinations
Surry Power Station Unit 2

By letter dated June 4, 2018 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18159A034), Virginia Electric and Power Company (the licensee) requested relief from the examination coverage requirements that are specified in American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code) Case N-460, "Alternative Examination Coverage for Class 1 and Class 2 Welds, Section XI, Division 1." This code case is approved for use in Regulatory Guide 1.147, Revision 18. The licensee submitted the relief request pursuant to Title 10 of the Code of Federal Regulations (10 CFR) 50.55a(g)(5)(iii) and addressed the limited coverage of preservice ultrasonic examinations for Class 1 pipe-to-valve and valve-to-pipe welds at Surry Power Station Unit 2 (SPS2).

On September 25, 2018, the NRC staff requested additional information to complete their review. The NRC question and the Dominion response are provided below.

- 1. Section 4 of the relief request indicates that the subject welds are new, reconstructed welds. Please clarify whether the weld reconstructions resulted from pressure boundary degradation (e.g., cracking due to fatigue). If so, please discuss why the licensee's examination coverages are sufficient to manage the effect of such degradation.*

Dominion Response:

The reconstructed welds were related to valve replacements. No pressure boundary degradation issues were associated with the reconstructed welds.