

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

August 29, 2017

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Serial No. 17-344
SPS-LIC/CGL R0
Docket No. 50-281
License No. DPR-37

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNIT 2
INSERVICE INSPECTION OWNER'S ACTIVITY REPORT (OAR)

In accordance with the requirements of ASME Code Case N-532-5, Virginia Electric and Power Company (Dominion Energy Virginia) hereby submits the Inservice Inspection Owner's Activity Report (Form OAR-1) for Surry Unit 2 refueling outage S2R27, which ended on June 4, 2017. This document contains the reporting requirements for the second refueling outage of the first period in the fifth ten-year inservice inspection interval for Surry Unit 2.

If you have any questions concerning this information, please contact Mrs. Candee G. Lovett at (757) 365-2178.

Very truly yours,



Barry A. Garber
Manager - Station Licensing
Surry Power Station

Attachment: Owner's Activity Report (Form OAR-1), Surry Unit 2 Refueling Outage S2R27, First Period of the Fifth ISI Interval

Commitments made in this letter: None

AD47
NRR

cc: U.S. Nuclear Regulatory Commission
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Mr. R. A. Smith
Authorized Nuclear Inspector
Surry Power Station

Serial No.: 17-344
Docket No.: 50-281

ATTACHMENT

**OWNER'S ACTIVITY REPORT (FORM OAR-1),
SURRY UNIT 2 REFUELING OUTAGE S2R27,
FIRST PERIOD OF THE FIFTH ISI INTERVAL**

**VIRGINIA ELECTRIC AND POWER COMPANY
(DOMINION ENERGY VIRGINIA)**

CASES OF ASME BOILER AND PRESSURE VESSEL CODE
FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number 2-5-1-2 (Unit 2, 5th Interval, 1st Period, 2nd Report)

Plant Surry Power Station, 5570 Hog Island Road, Surry, VA 23883

Unit No. 2 Commercial service date 05/01/1973 Refueling outage no. S2R27
(if applicable)

Current inspection interval 5th
(1st, 2nd, 3rd, 4th, other)

Current inspection period 1st
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans ISI 2004 Edition / IWL 2001 Edition with 2003 Addenda

Date and revision of inspection plans Surry Unit 2, 5th Int. ISI Plan, Rev 1, 8-18-2015 / Surry Unit 2, 2nd Int. IWL Plan, Rev 3, 6-1-2016

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans

Code Cases used for inspection and evaluation: None
(if applicable, including cases modified by Case N-532 and later revisions)

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of S2R27 conform to the requirements of Section XI. (refueling outage number)

Signed Ky Mitchell / ISI Program Owner Date 8-22-17
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Al. Smith Commissions NB-7933 NS, IS; VA883(R)
Inspector's Signature National Board, State, Province, and Endorsements

Date 8/23/17

CASES OF ASME BOILER AND PRESSURE VESSEL CODE
FORM OAR-1 OWNER'S ACTIVITY REPORT

Table 1
Items with Flaws or Relevant Conditions That Required Evaluation for Continued Service

Examination Category and Item Number	Item Description	Evaluation Description
	None	

CASES OF ASME BOILER AND PRESSURE VESSEL CODE
FORM OAR-1 OWNER'S ACTIVITY REPORT

N-532-5

Table 2
Abstract of Repair/replacement Activities Required for Continued Service

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
3	02-CW-PP-96.00-WC-PIPE-101-10	Perform weld repairs for through-wall leaks.	5/17/2017	2017-065
3	02-SW-PP-2.00-WS-PIPE-314-9107	Perform weld repair for through-wall leak.	12/8/2015	2015-267
3	02-SW-PP-2.00-WS-PIPE-316-9107	Perform weld repair for through-wall leak.	9/30/2016	2016-096
3	02-SW-PP-48.00-WS-PIPE-101-10	Perform weld repair for through-wall leak.	5/22/2017	2017-083
CC	02-BS-BLD-C0NT-BLDG	Perform concrete repairs to 02-BS-BLD-C0NT-BLDG. (Marked Item 2-46)	6/30/2016	2016-050
CC	02-BS-BLD-C0NT-BLDG	Perform concrete repairs to 02-BS-BLD-C0NT-BLDG. (Marked Item 2-5)	7/6/2016	2016-047