

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

February 6, 2017

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

Serial No. 17-037
SPS-LIC/CGL R0
Docket No. 50-280
License No. DPR-32

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNIT 1
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) hereby submits the Inservice Inspection Owner's Activity Report (Form OAR-1) for Surry Unit 1 refueling outage S1R27, which ended on November 11, 2016. 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 1.

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

Very truly yours,



Douglas C. Lawrence *DL*
Director Station Safety & Licensing
Surry Power Station

Attachment: Owner's Activity Report (Form OAR-1), Surry Unit 1 Refueling Outage S1R27, First Period of the Fifth ISI Interval

Commitments made in this letter: None

A045
NRR

cc: U.S. Nuclear Regulatory Commission
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NRC Senior Resident Inspector
Surry Power Station

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Mr. R. A. Smith
Authorized Nuclear Inspector
Surry Power Station

Serial No.: 17-037
Docket No.: 50-280

ATTACHMENT

**OWNER'S ACTIVITY REPORT (FORM OAR-1),
SURRY UNIT 1 REFUELING OUTAGE S1R27,
FIRST PERIOD OF THE FIFTH ISI INTERVAL**

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

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

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

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

Unit No. 1 Commercial service date 12/22/1972 Refueling outage no. S1R27
(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 2004 Edition

Date and revision of inspection plans Surry Unit 1, 5th Int. ISI Plan, Revision 1, Aug. 18, 2015

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

Code Cases used for inspection and evaluation: See Surry Unit 1, 5th Int. ISI Plan, Rev.1 Section 6 for complete list of code cases
(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 S1R27 conform to the requirements of Section XI. (refueling outage number)

Signed [Signature] / ISI Program Owner Date 1/31/2017
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.

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

Date 1/31/17

FORM OAR-1 OWNER'S ACTIVITY REPORT

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

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
1	01-SI-PP-12.00-SI-PIPE-45-1502	Two rejectable indications were identified on an integral attachment weld. Indications were cleared.	10/31/2016	2016-104
3	01-CC-PP-3.00-CC-PIPE-248-151	Performed repairs for throughwall leak identified on 01-CC-PP-3.00-CC-PIPE-248-151.	11/3/2016	2016-102
3	01-CW-PP-96.00-WC-PIPE-2-10	Performed weld repairs on 01-CW-PP-96.00-WC-PIPE-2-10.	10/26/2016	2016-097
3	01-SW-PP-2.00-WS-PIPE-315-9107	Performed repairs for throughwall leak identified on piping downstream of 1-SW-327.	9/16/2015	2015-181
3	01-SW-PP-2.00-WS-PIPE-317-9107	Performed repairs for throughwall leak identified on 01-SW-PP-2.00-WS-PIPE-317-9107.	11/6/2015	2015-241
3	01-SW-PP-2.00-WS-PIPE-317-9107	Performed repairs for throughwall leak identified on 01-SW-PP-2.00-WS-PIPE-317-9107.	9/25/2015	2015-202
3	01-SW-PP-2.00-WS-PIPE-318-9107	Performed repairs for throughwall leak identified on 01-SW-PP-2.00-WS-PIPE-318-9107.	12/11/2015	2015-206
3	01-SW-PP-2.00-WS-PIPE-318-9107	Performed repairs for throughwall leak identified on 01-SW-PP-2.00-WS-PIPE-318-9107.	10/1/2015	2015-205
3	01-SW-PP-3.00-WS-PIPE-313-9107	Performed repairs for throughwall leak identified on 01-SW-PP-3.00-WS-PIPE-313-9107.	6/16/2016	2016-041
3	01-SW-PP-3.00-WS-PIPE-321-9107	Performed repairs for throughwall leak identified on 01-SW-PP-3.00-WS-PIPE-321-9107.	1/22/2016	2016-009

CASES OF ASME BOILER AND PRESSURE VESSEL CODE
FORM OAR-1 OWNER'S ACTIVITY REPORT**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.	01-SW-PP-3.00-WS-PIPE-326-9107	Performed repairs for throughwall leak identified on 01-SW-PP-2.00-WS-PIPE-326-9107.	11/13/2015	2015-251
3	01-SW-PP-3.00-WS-PIPE-56-136	Performed repairs for throughwall leak identified on 01-SW-PP-3.00-WS-PIPE-56-136.	4/9/2016	2016-017
3	01-SW-PP-6.00-WS-PIPE-307-9107	Performed repairs for throughwall leak identified on 01-SW-PP-6.00-WS-PIPE-307-9107.	1/7/2016	2016-003
3	02-SW-PP-2.00-WS-PIPE-318-9107	Performed repairs for throughwall leak identified on 02-SW-PP-2.00-WS-PIPE-318-9107.	10/13/2015	2015-212

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	