

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

February 17, 2022

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

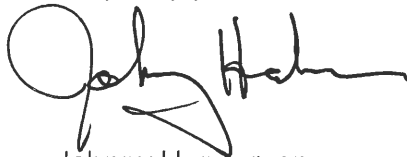
Serial No. 22-028  
SPS-LIC/MSG R0  
Docket No. 50-281  
License No. DPR-37

**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 S2R30, which ended on December 2, 2021. This document contains the reporting requirements for the first refueling outage of the third period in the fifth ten-year inservice inspection interval for Surry Unit 2.

If you have any questions concerning this information, please contact Ms. Maria Groshner at (757) 365-2593.

Very truly yours,



Johnny Henderson  
Director Station Safety & Licensing  
Surry Power Station

Attachment: Owner's Activity Report (Form OAR-1), Surry Unit 2 Refueling Outage S2R30, Third Period of the Fifth ISI Interval

Commitments made in this letter: None

cc: U.S. Nuclear Regulatory Commission - Region II  
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Surry Power Station

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11555 Rockville Pike  
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Mr. R. Richardson  
Authorized Nuclear Inspector  
Surry Power Station

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ATTACHMENT

OWNER'S ACTIVITY REPORT (FORM OAR-1),  
SURRY UNIT 2 REFUELING OUTAGE S2R30,  
THIRD 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**

**N-532-5**

Report Number: 2-5-3-1 (Unit 2, 5th Interval, 3rd Period, 1st Report)  
Plant: Surry Power Station, 5570 Hog Island Road, Surry, VA 23883  
Unit No. 2 Commercial service date 05/01/1973 Refueling outage no. S2R30  
(If applicable)  
Current inspection interval 5th  
(1st, 2nd, 3rd, 4th, other)  
Current inspection period 3rd  
(1st, 2nd, 3rd)  
Edition and Addenda of Section XI applicable to the inspection plans 2004 Edition  
Date and revision of inspection plans Surry Unit 2, 5th Int. ISI Plan, Revision 9, January 2021  
Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans NA  
Code Cases used for inspection and evaluation: See ISI Plan for 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 S2R30 conform to the requirements of Section XI. (refueling outage number)

Signed [Signature] / ISI Program Owner Date 1/19/22  
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 13978 C.I.N.R.  
Inspector's Signature (National Board Number and Endorsement)

Date 1/19/2022

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
N/A, N/A	2-CN-PP-6.00-WMCU-174-151	Pinhole leaks in two locations on ASME Class 3 pipe 2-CN-PP-6.00-WMCU-174-151 (6 Inch Auxiliary Feedwater Full Flow Recirculation Line). Evaluated and found acceptable using Code Case N-513-4 "Evaluation Criteria for Temporary Acceptance of Flaws in Moderate Energy Class 2 or 3 Piping Section XI, Division 1", as documented in CA9182244.

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
1	02-RC-E-1B	Steam Generator 2-RC-E-1B requires tube plugging.	11/19/2021	2021-157
1	02-RC-E-1C	Steam Generator 2-RC-E-1C requires tube plugging.	11/19/2021	2021-151
2	02-MS-157	2-MS--157 Valve Seat Contact is less than 50%. Replace valve 02-MS-157	11/24/2021	2021-161
2	02-SD-PP-1.50-SHPD-PIPE-106-601C	Perform seal weld repair IAW BMR sheet	11/30/2021	2021-164
2	02-SD-PP-1.50-SHPD-PIPE-107-601C	Replace piping - Line # 1 1/2"-SHPD-107-601C. (2-MS-TV-201C) BY PIPING TO STM TRAP TD-5	11/30/2021	2021-163
2	02-SD-PP-1.50-SHPD-PIPE-108-601C	Perform seal weld repair IAW BMR sheet	11/30/2021	2021-165
3	01-CC-PP-18.00-CC-PIPE-229-121	Modify / reinstall gang hanger "outriggers" on 01-CC-PP-18.00-CC-PIPE-229-121.	11/25/2021	2021-134
3	02-SW-E-1B	Cut / Weld / replace piping to support cooler replacement on 02-SW-E-1B	11/27/2021	2021-149