

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

June 28, 2022

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

Serial No.: 22-156  
NAPS/CNC: R0  
Docket No.: 50-339  
License No.: NPF-7

**VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION ENERGY)**  
**NORTH ANNA POWER STATION UNIT 2**  
**OWNER'S ACTIVITY REPORT**

In accordance with the requirements of American Society of Mechanical Engineers (ASME) Code Case N-532-5, enclosed is the Owner's Activity Report (Form OAR-1), for refueling outage 2R28. This report is for the first refueling outage of the first period of the fifth inspection interval.

Should you have any questions regarding this submittal, please contact Mr. Marcus A. Hofmann at (540) 894-2100.

Very truly yours,



S. W. Morris  
Director - Nuclear Station Safety and Licensing

Commitments made in this letter: None

Attachment:

Completed ER-AA-ISI-100, Attachment 1

AD47

NRR

Serial No. 22-156  
NAPS U2 Owner's Activity Report

cc: U.S. Nuclear Regulatory Commission  
Region II  
Marquis One Tower  
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NRC Senior Resident Inspector  
North Anna Power Station

Mr. Marcus Harris  
Old Dominion Electric Cooperative  
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Mr. M. M. Grace  
Authorized Nuclear Inservice Inspector  
North Anna Power Station

**Attachment**

**Owner's Activity Report for North Anna Unit 2  
Refueling Outage N2R28 - First Period of the Fifth ISI Interval**

**North Anna Power Station  
Virginia Electric and Power Company  
(Dominion Energy)**



# Form OAR-1 Owner's Activity Report

ER-AA-ISI-100

ATTACHMENT 1

Page 1 of 4

Report Number: N2R28 (Unit 2, 5<sup>th</sup> Interval, 1<sup>st</sup> Period)

Plant: North Anna Power Station

Unit No. 2 Commercial service date: 12/14/1980 Refueling outage no. N2R28  
(if applicable)

Current inspection interval: 5<sup>th</sup> (December 14, 2020 – December 13, 2030), 4<sup>th</sup> (December 14, 2010 – December 13, 2020)

(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, other)

Current inspection period: 1<sup>st</sup> (December 14, 2020 – December 13, 2023); 3<sup>rd</sup> (December 14, 2017 – December 13, 2020)

(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>)

Edition and Addenda of Section XI applicable to the inspection plans: 2013 Edition with No Addenda

Date and revision of inspection plans: 5<sup>th</sup> Interval, Revision 0, October 2020

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:

N-722-1, N-729-6, N-770-5, N-508-4, N-517-1, N-526, N-532-5, N-533-1, N-566-2, N-583, N-586-1, N-619, N-624, N-649, N-652-2, N-663, N-683, N-685, N-686-1, N-695-1, N-716-2, N-731, N-735, N-753, N-765, N-775, N-778, N-798, N-800, N-805, N-823-1, N-824, N-825, N-831-1, N-843, N-845-1, N-854, N-864, N-885, N-892

(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

N2R28

conform to the requirements of Section XI.

(refueling outage number)

Signed

Owner or Owner's Designee, Title

NUCLEAR ENGINEERING SUPERVISOR

Date

6/22/2022



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 Hartford, CT 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.

M. A. e Commissions NB9531 I.N  
Inspector's Signature National Board Number and Endorsement

Date: 6/24/22



**Form OAR-1 Owner's Activity Report**

ER-AA-ISI-100

ATTACHMENT 1

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

Examination Category and Item Number	Item Description	Evaluation Description
NONE		

**Table 2  
Abstract of Repair/Replacement Activities Required for Continued Service**

<b>Code Class</b>	<b>Item Description</b>	<b>Description of Work</b>	<b>Date Completed</b>	<b>Repair/Replacement Plan Number</b>
1	Weld No. 12H on 6"-SI-416	Defect removal by mechanical grinding only	3/31/2022	2022-009
3	4"-WS-H127-163-Q3	Replace a section of 4"-WS-H127-163-Q3	11/30/2021	2021-086 R1
3	2-SW-PP-4.00-WS-PIPE-H87-151-Q3	Replace flange and elbow due to excessive degradation	12/8/2020	2020-084
3	2-CD-PP-3.50-CD-PIPE-540-151-S	Replace flange and pipe due to excessive degradation	12/9/2020	2020-083
3	02-SW-PP-4.00-WS-PIPE-H85-151Q3	Replacement of Degraded Piping	12/9/2020	2020-073
3	02-SW-PP-4.00-WS-PIPE-468-151Q3	Replacement of Degraded Piping	12/9/2020	2020-072
3	02-SW-PP-4.00-WS-PIPE-H141-151Q3	Replacement of Degraded Piping	12/9/2020	2020-071
3	2-SW-606-VALVE	Replace valve and pipe – through wall mic leak	1/14/2021	2020-089
3	02-SW-PP-4.00-WS-PIPE-H86-151Q3	Replace pipe – through wall leak	9/22/2021	2021-049
3	02-SW-PP-4.00-WS-PIPE-H142-151Q3	Replace pipe – minimum wall	9/27/2021	2021-050
3	02-SW-PP-4.00-WS-PIPE-H86-151Q3	Replace pipe – minimum wall	9/21/2021	2021-052