

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**RICHMOND, VIRGINIA 23261**

July 30, 2013

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

Serial No.: 13-414  
NAPS/JHL: R0  
Docket No.: 50-339  
License No.: NPF-7

**VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION)**  
**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-532-4, enclosed is the Owner's Activity Report (Form OAR-1), for refueling outage N2R22. This report is for the second refueling outage of the first period of the fourth inspection interval.

Should you have any questions regarding this submittal, please contact Mr. Page A. Kemp at (540) 894-2295.

Very truly yours,



David B. Blakeney  
Director - Nuclear Station Safety and Licensing

Commitments made in this letter: None

Attachment

AD47  
MRR

cc: U.S. Nuclear Regulatory Commission  
Region II  
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North Anna Power Station

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Mr. M. M. Grace  
Authorized Nuclear Inspector  
North Anna Power Station

**Attachment**

**Owner's Activity Report for North Anna Unit 2  
Refueling Outage N2R22 - First Period of the Fourth ISI Interval**

**North Anna Power Station  
Virginia Electric and Power Company**



Report Number: N2R22 (Unit 2, 4<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. N2R22  
(if applicable)

Current inspection interval: 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, 2010 - December 13, 2013)  
(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>)

Edition and Addenda of Section XI applicable to the inspection plans: 2004 Edition with No Addenda

Date and revision of inspection plans: Revision 2, February 2013

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

Code Cases used: N-460, N-504-4, N-526, N-532-4, N-552, N-566-2, N-583, N-586-1, N-597-2, N-613-1, N-624, N-638-4, N-641, N-658, N-661-1, N-663, N-683, N-686-1, N-695, N-706-1, N-722-1, N-729-1, N-753, and N-770-1  
(if applicable)

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 N2R22 conform to the requirements of Section XI.  
(refueling outage number)

Signed Brian Danenberg, Supervisor ISI/HBE/Materials Eng. Date 7-23-13  
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 the State or Province of Virginia and employed by HSB CT 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.

me Commissions NB9531 IS, A, I, N, C/ VA424R  
Inspector's Signature National Board, State, Province and Endorsements

Date 7/25/13





# Form OAR-1, Owner's Activity Report

ER-AA-ISI-100

ATTACHMENT 1

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**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> |
|-----------------------|---|---|-----------------------|---------------------------------------|
| 3<br>D-B / D2.10      | 02-SW-PP-2.00-<br>WS-PIPE-948-<br>153A-Q3 | Replace piping and elbow due to through wall MIC leak in weld   | 08/08/2012            | 2012-126                              |
| 3<br>D-B / D2.10      | 02-SW-PP-2.00-<br>WS-PIPE-950-<br>153A-Q3 | Replace piping and elbow due to through wall MIC leak in weld   | 12/13/2012            | 2012-172                              |
| 3<br>D-B / D2.10      | 02-SW-PP-2.00-<br>WS-PIPE-944-<br>153A-Q3 | Replace piping and elbow due to through wall MIC leak in weld   | 12/13/2012            | 2012-173                              |
| 1<br>B-B / B2.11      | 2-RC-E-2<br><br>Summary #<br>N2.B2.11.001 | Pressurizer support skirt weld and lower head repairs           | 06/27/2013            | 2013-036                              |
| 1<br>B-G-2 /<br>B7.70 | 2-SI-113<br><br>Summary #<br>N2.B7.70.001 | Body to bonnet bolting was replaced due to boric acid corrosion | 05/07/2013            | 2013-037                              |
|                       |   |   |                       |                                       |