

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

June 24, 2016

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

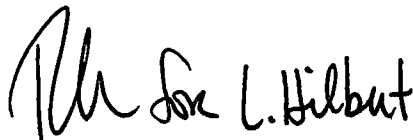
Serial No.: 16-264  
NAPS/JHL: R0  
Docket No.: 50-339  
License No.: NPF-7

**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 N2R24. This report is for the second refueling outage of the second period of the fourth inspection interval.

Should you have any questions regarding this submittal, please contact Mr. D. R. Taylor at (540) 894-2100.

Very truly yours,



Lisa Hilbert  
Director - Nuclear Station Safety and Licensing

Commitments made in this letter: None

Attachment

A047  
NRR

cc: U.S. Nuclear Regulatory Commission  
Region II  
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Atlanta, Georgia 30303-1257

NRC Senior Resident Inspector  
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 N2R24 - Second Period of the Fourth ISI Interval**

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



# Form OAR-1, Owner's Activity Report

ER-AA-ISI-100

ATTACHMENT 1

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Report Number: N2R24 (Unit 2, 4<sup>th</sup> Interval, 2<sup>nd</sup> Period)

Plant: North Anna Power Station

Unit No. 2 Commercial service date: 12/14/1980 Refueling outage no. N2R24  
(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: 2<sup>nd</sup> (December 14, 2013 - December 13, 2017)  
(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-432-1, 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-696, N-706-1, N-722-1, N-729-1, N-753, 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 N2R24 conform to the requirements of Section XI.  
(refueling outage number)

Signed [Signature] Supervisor, ISI-NDE Group Date 6/23/2016  
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 Global Standards 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.

[Signature] Commissions NB 9531-A, N, I, C, IS / VA 424-R  
Inspector's Signature National Board, State, Province and Endorsements  
Date 6/23/16

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

<b>Examination Category and Item Number</b>	<b>Item Description</b>	<b>Evaluation Description</b>
E-A / E1.11	Hatch Flange Bolting Summary # N2.L1.11.004	Evaluate per CR1029699 Bolt chairs bent - acceptable
L-A / L1.11	Exterior Concrete N-NE Summary # N2.L1.11.004	Evaluate per CR1031675 Embedded wood 4"X1/2"
L-A / L1.11	Exterior Concrete N-NE Summary # N2.L1.11.012	Evaluate per CR1031687 Rock pockets
L-A / L1.11	Exterior Concrete N-NW Summary # N2.L1.11.012	Evaluate per CR1031939 Rock pockets
F-A / F1.10C	Spring hanger 2-RC-SH-3 Summary # N2.F1.10.490	Evaluate per CR1031952 Readjust load setting
F-A / F1.10C	Spring hanger 2-RH-SH-20 Summary # N2.F1.10.791	Evaluate per CR1030511 Accept load setting as is
F-A / F1.20A	Restraint, 2-SHP-R-216 Summary # N2.F1.20.003	Evaluate per CR1029241 Missing washer – meets design function-drawing revision
F-A / F1.20A	Restraint, 2-SHP-R-215 Summary # N2.F1.20.009	Evaluate per CR1029241 Abandoned bolts – meets design function-drawing revision
F-A / F1.20A	Restraint, 2-SHP-R-214 Summary # N2.F1.20.015	Evaluate per CR1029241 Loose nut – meets design function-drawing revision
F-A / F1.30A	Support, 2-WS-PH-7040 Summary # N2.F1.30.307	Evaluate per CR1006985 Clearances – acceptable, drawing revision
F-A / F1.30B	Support, 2-WS-PH-8040 Summary # N2.F1.30.347	Evaluate per CR1009611 Clearances – acceptable
F-A / F1.30B	Support, 2-WS-PH-8041 Summary # N2.F1.30.348	Evaluate per CR1009611 Clearances – acceptable
F-A / F1.30A	Support, 2-WS-PH-8026 Summary # N2.F1.30.370	Evaluate per CR1009611 Clearances – acceptable
F-A / F1.40A	CRDM Platform Structure Summary # N2.F1.40.097	Evaluate per CR1031552, CR1031412 Clearances – acceptable Chipped paint - acceptable



# 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**

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
3	02-SW-PP-2.00-WS-PIPE-944-153A-Q3	Replace piping due to MIC leak.	06/6/2016	2014-134
1	2"-RC-455-1502-Q1 (SW-65)	Replace piping due to rejectable indication found in weld.	04/27/2016	2016-027



# Form OAR-1, Owner's Activity Report

ER-AA-ISI-100

ATTACHMENT 1

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## FORM N-711-A

### Abstract of Welds Satisfying Alternative Examination Coverage of Case N-711

Examination Category	Weld Number	Weld Description	Percent Coverage	Description of Limitation
NONE				