

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

January 4, 2018

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

Serial No.: 17-477
NAPS/DPM: 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-532-4, enclosed is the Owner's Activity Report (Form OAR-1), for refueling outage N2R25. This report is for the third refueling outage of the second period of the fourth inspection interval.

Should you have any questions regarding this submittal, please contact Mr. D. P. McGinnis at (540) 894-2487.

Sincerely,

B. E. Standley Jr

B. E. Standley, Jr.
Director - Nuclear Station Safety and Licensing

Commitments made in this letter: None

Attachment

A047
NRR

cc: U.S. Nuclear Regulatory Commission
Region II
Marquis One Tower
245 Peachtree Center Avenue, NE, Suite 1200
Atlanta, Georgia 30303-1257

NRC Senior Resident Inspector
North Anna Power Station

Mr. J. E. Reasor, Jr.
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Ms. Brenda Mozafari
NRC Project Manager
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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 N2R25 - 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: N2R25 (Unit 2, 4th Interval, 2nd Period)

Plant: North Anna Power Station

Unit No. 2 Commercial service date: 12/14/1980 Refueling outage no. N2R25
(if applicable)

Current inspection interval: 4th (December 14, 2010 - December 13, 2020)
(1st, 2nd, 3rd, 4th, other)

Current inspection period: 2nd (December 14, 2013 - December 13, 2017)
(1st, 2nd, 3rd, 4th)

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 for inspection and evaluation: N-432-1, N-460, N-504-4, N-526, N-532-5, N-552, N-566-2, N-583, N-597-2, N-613-1, N-624, N-638-4, N-641, N-658, N-661-2, N-663, N-683, N-686-1, N-696, N-706-1, N-722-1, N-729-1, 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 N2R25 conform to the requirements of Section XI.
(refueling outage number)

Signed Roger J. McBeath, Supervisor In-Service Inspection Date 12/22/17
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 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.

MH Commission NB9531, VA424R, C, I, N
Inspector's Signature (National Board Number and Endorsement)

Date 1/3/2018



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

Examination Category and Item Number	Item Description	Evaluation Description
NONE		



Form OAR-1, Owner's Activity Report

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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
1	2"-RC-455-1502-Q1	Replace 2" piping and elbow. Rejectable indication was found in weld	04/27/2016	2016-027
2	02-CH-PP-1.50-CH-PIPE-716-1502-Q2	Replace 1.5"-CH-716-1502-Q2 and flange bolting as applicable due to suspected through-wall leak	09/20/2016	2016-127
1	2-SI-FT-2960-IXMITR	Tubing to be replaced due to pinhole leak discovered during inspection.	10/07/2017	2017-115
1	2-RC-R-1-VESSEL	Replace Reactor Vessel flange stud due to damaged threads.	10/09/2017	2017-131
3	02-SW-PP-1.50-WS-PIPE-976-153A-Q3	Replace piping due to possible MIC leak	06/08/2017	2017-044



Form OAR-1, Owner's Activity Report

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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
R-A/R1.20	5 (BPL 851)	Pipe to Weldolet	42.2%	Single-sided exam due to component configuration
R-A/R1.20	SW-98A	Flange to Pipe	50%	Single-sided exam due to adjacent flange
R-A/R1.20	SW-81	Flange to Pipe	50%	Single-sided exam due to component configuration
R-A/R1.20	30	Tee to Reducer	81%	Intrados of tee and landing of reducer
R-A/R1.20	3	Expander to Elbow	88.5%	Intrados of Elbow and Expander