

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

June 17, 2015

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

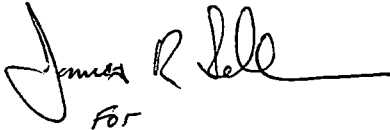
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VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION)
NORTH ANNA POWER STATION UNIT 1
OWNER'S ACTIVITY REPORT

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 N1R24. 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. Page A. Kemp at (540) 894-2295.

Very truly yours,



for

Lisa Hilbert
Director - Nuclear Station Safety and Licensing

Commitments made in this letter: None

Attachment

A047
NRK

cc: U.S. Nuclear Regulatory Commission
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NRC Senior Resident Inspector
North Anna Power Station

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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 1
Refueling Outage N1R24 - Second Period of the Fourth ISI Interval**

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

**Dominion™****Form OAR-1, Owner's Activity Report**

ER-AA-ISI-100

ATTACHMENT 1

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Report Number: N1R24 (Unit 1, 4th Interval, 2nd Period)Plant: North Anna Power StationUnit No. 1
(if applicable)Commercial service date: 6/6/1978Refueling outage no. N1R24Current inspection interval: 4th (May 1, 2009 – April 30, 2019)
(1st, 2nd, 3rd, 4th, other)Current inspection period: 2nd (May 1, 2012 – April 30, 2016)
(1st, 2nd, 3rd, 4th)Edition and Addenda of Section XI applicable to the inspection plans: 2004 Edition with No AddendaDate and revision of inspection plans: Revision 3, February 2012Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans N/ACode 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 N1R24 conform to the requirements of Section XI.
(refueling outage number)

Signed

Owner or Owner's Designee, Title

[Signature] - Manager Engineering Programs Date 6/10/2015

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 GS 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.

Inspector's Signature

[Signature] Commissions NB 9531-A, N, I, C, IS / VA 424-R
National Board, State, Province and Endorsements

Date

6/10/2015

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

Examination Category and Item Number	Item Description	Evaluation Description
F-A / F1.10C	Spring Hanger 2-SI-63 / SH-5 Summary # N1.F1.10.027	Evaluate per CR574053 Cold load settings and scale – determined acceptable
F-A / F1.10C	Spring Support, 2-RC-17 / SH-3 Summary # N1.F1.10.233	Evaluate per CR574525 Load scale out of range – determined acceptable
R-A / R1.11	Elbow to Pipe Weld, 2-RC-59, 39 Summary # N1.R1.11.359	Craze cracking possible CR568193 / OD 609 – Crack growth evaluated acceptable until RFO N1R24. Upon replacement, no cracking found.

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	1-SW-PP-18.00-WS-PIPE-D95-151-Q3	Replace piping due to through-wall leak	08/04/2014	2014-052
3	1-SW-R-D95.6032	Install shim to restore support to proper design configuration	12/03/2014	2014-053
1	1-RC-PP-2.00-RC-PIPE-56-1502-Q1	Replace pipe and elbow due to through-wall leak	04/20/2015	2014-150
1	1-RC-PP-2.00-RC-PIPE-59-1502-Q1	Replace pipe and elbow due to craze cracking	04/06/2015	2014-153
3	1-SW-PP-2.00-C84-153A-Q3	Replace piping due to MIC leak	04/08/2015	2015-030
3	1-SW-PP-2.00-C78-153A-Q3	Replace piping due to MIC leak	04/06/2015	2015-031
2	1-RH-HSS-100D	Replace snubber due to suspected leak	04/17/2015	2015-050
2	1-FW-HSS-212	Replace snubber due to low fluid	04/17/2015	2015-051
1	1-SI-HSS-101D	Replace snubber due to empty fluid reservoir	04/17/2015	2015-052
1	1-RC-HSS-835	Replace snubber due to low fluid	04/17/2015	2015-053



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
C-F-1/C5.11 (R-A/LSS)	100	Tee-to-Flange, Quench Spray	50%	Single-sided exam due to flange configuration (Preservice Inspection - PSI)
R-A/R1.20	SW-7	Elbow to Pipe, Low Head Safety Injection Loop 1	74.5%	Single-sided exam – DS access limited due to lug and clamp adjacent to weld.