

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

January 13, 2021

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

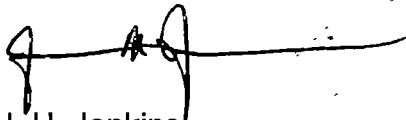
Serial No.: 21-012
NAPS/DPM: R0
Docket No.: 50-339
License No.: NPF-7

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-532-5, enclosed is the Owner's Activity Report (Form OAR-1), for refueling outage 2R27. This report is for the second refueling outage of the third period of the fourth inspection interval.

Should you have any questions regarding this submittal, please contact Mr. Neil S. Turner at (540) 894-2100.

Very truly yours,



J. H. Jenkins
Director - Nuclear Station Safety and Licensing

Commitments made in this letter: None

Attachment:

Completed ER-AA-ISI-100, *Attachment 1*

AD47
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. Marcus Harris
Old Dominion Electric Cooperative
Innsbrook Corporate Center
4201 Dominion Blvd.
Suite 300
Glen Allen, Virginia 23060

Mr. G. E. Miller
NRC Project Manager
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Mail Stop 08 B-1A
Rockville, MD 20852-2738

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

Attachment

**Owner's Activity Report for North Anna Unit 2
Refueling Outage N2R27 - Third Period of the Fourth 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 3

Report Number: N2R27 (Unit 2, 4th Interval, 3rd Period)

Plant: North Anna Power Station

Unit No. 2 Commercial service date: 12/14/1980 Refueling outage no. N2R27
(if applicable)

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

Current inspection period: 3rd (December 14, 2017 - December 13, 2020)
(1st, 2nd, 3rd, 4th)

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

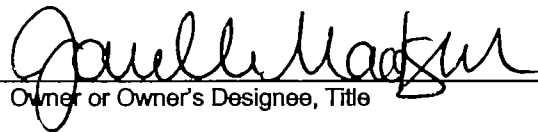
Date and revision of inspection plans: Rev. 4, July 2019 (Plan) - Rev. 3, July 2019 (Schedule)

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-508-4, N-526, N-532-5, N-533-1, N-552-1, N-566-2, N-583, N-586-1, N-597-2, N-613-2, N-619, N-624, N-638-6, N-641, N-658, N-661-2, N-662-1, N-663, N-683, N-686-1, N-696, N-706-1, N-712, N-722-1, N-729-4, N-753, N-765, N-770-2, N-775, N-778, N-798, N-800, N-823, N-825
(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 N2R27 conform to the requirements of Section XI.
(refueling outage number)

Signed  Date 1/7/2021
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 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.

Inspector's Signature  Commissions NB9531 I,N
National Board, State, Province and Endorsements

Date 1/8/21

**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

ER-AA-ISI-100

ATTACHMENT 1

Page 3 of 3

**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-P-1A-PUMP	Through wall leak at thermal barrier socket weld.	04/29/2020	2020-013
3	2" WS-054-153A-Q3	Replace section of pipe due to through wall MIC leak.	08/31/2020	2020-033R1
2	2-BD-TV-200B-VALVE	Replace bonnet for body-to-bonnet leak.	10/26/2020	2020-036
MC	2-CE-EH-1-ACCESS	Repair bent bolt chair.	10/27/2020	2020-041
2	02-FW-PH-R-424.34	Repair rejected indication on integral attachment weld.	10/09/2020	2020-053
1	2-SI-HSS-532.04	Replace snubber because of reservoir leak.	10/12/2020	2020-058