

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

~~SECURITY-RELATED INFORMATION – WITHHOLD UNDER 10 CFR 2.390~~

October 13, 2016

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Serial No.: 16-342
NCM/EMM:vlh
Docket Nos.: 50-338/339
License Nos.: NPF-4/7

VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION)
NORTH ANNA POWER STATION UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT
REVISION 52

Pursuant to 10 CFR 50.71(e), Virginia Electric and Power Company (Dominion) submits Revision 52 to the Updated Final Safety Analysis Report (UFSAR) for North Anna Power Station.

Two CD-ROMs are included in this submittal. Attachment 1 contains a CD-ROM labeled "North Anna Power Station Updated Final Safety Analysis Report Revision 52 Docket Nos. 50-338/339 Security-Related Information – Withhold Under 10 CFR 2.390" and contains the following files:

000 NAPS UFSAR Frontmatter.pdf	1,736,704 bytes, publicly available.
001 NAPS UFSAR Chapter 1.pdf	765,952 bytes, publicly available.
002 NAPS UFSAR Chapter 2.pdf	48,011,264 bytes, publicly available.
003 NAPS UFSAR Chapter 3.pdf	26,040,320 bytes, publicly available.
004 NAPS UFSAR Chapter 4.pdf	5,148,672 bytes, publicly available.
005 NAPS UFSAR Chapter 5.pdf	8,716,288 bytes, publicly available.
006 NAPS UFSAR Chapter 6.pdf	14,856,192 bytes, publicly available.
007 NAPS UFSAR Chapter 7.pdf	2,189,312 bytes, publicly available.
008 NAPS UFSAR Chapter 8.pdf	4,366,336 bytes, publicly available.
009 NAPS UFSAR Chapter 9.pdf	7,569,408 bytes, publicly available.
010 NAPS UFSAR Chapter 10.pdf	4,892,672 bytes, publicly available.
011 NAPS UFSAR Chapter 11.pdf	4,096,000 bytes, publicly available.
012 NAPS UFSAR Chapter 12.pdf	1,124,352 bytes, publicly available.
013 NAPS UFSAR Chapter 13.pdf	122,880 bytes, publicly available.
014 NAPS UFSAR Chapter 14.pdf	421,888 bytes, publicly available.
015 NAPS UFSAR Chapter 15.pdf	11,456,512 bytes, publicly available.
016 NAPS UFSAR Chapter 16.pdf	75,776 bytes, publicly available.
017 NAPS UFSAR Chapter 17.pdf	57,344 bytes, publicly available.
018 NAPS UFSAR Chapter 18.pdf	301,056 bytes, publicly available.

Attachment 1 contains Security-Related Information that Dominion requests be withheld from public disclosure in accordance with 10 CFR 2.390.

AD53
NRR

ATTACHMENT 1 TO THIS LETTER CONTAINS SECURITY-RELATED INFORMATION
WHICH IS TO BE WITHHELD FROM PUBLIC DISCLOSURE UNDER 10 CFR 2.390.
UPON REMOVAL OF ATTACHMENT 1, THIS LETTER IS DECONTROLLED.

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Attachment 2 contains a CD-ROM labeled “North Anna Power Station Updated Final Safety Analysis Report Revision 52 – Redacted Docket Nos. 50-338/339” and contains the following files:

000 NAPS UFSAR Frontmatter.pdf	1,736,704 bytes, publicly available.
001 NAPS UFSAR Chapter 1.pdf	471,040 bytes, publicly available.
002 NAPS UFSAR Chapter 2.pdf	47,951,872 bytes, publicly available.
003 NAPS UFSAR Chapter 3.pdf	27,174,912 bytes, publicly available.
004 NAPS UFSAR Chapter 4.pdf	5,148,672 bytes, publicly available.
005 NAPS UFSAR Chapter 5.pdf	8,716,288 bytes, publicly available.
006 NAPS UFSAR Chapter 6.pdf	14,784,512 bytes, publicly available.
007 NAPS UFSAR Chapter 7.pdf	2,189,312 bytes, publicly available.
008 NAPS UFSAR Chapter 8.pdf	4,366,336 bytes, publicly available.
009 NAPS UFSAR Chapter 9.pdf	6,533,120 bytes, publicly available.
010 NAPS UFSAR Chapter 10.pdf	4,892,672 bytes, publicly available.
011 NAPS UFSAR Chapter 11.pdf	4,096,000 bytes, publicly available.
012 NAPS UFSAR Chapter 12.pdf	1,124,352 bytes, publicly available.
013 NAPS UFSAR Chapter 13.pdf	122,880 bytes, publicly available.
014 NAPS UFSAR Chapter 14.pdf	421,888 bytes, publicly available.
015 NAPS UFSAR Chapter 15.pdf	11,456,512 bytes, publicly available.
016 NAPS UFSAR Chapter 16.pdf	75,776 bytes, publicly available.
017 NAPS UFSAR Chapter 17.pdf	57,344 bytes, publicly available.
018 NAPS UFSAR Chapter 18.pdf	301,056 bytes, publicly available.

Third-party documents included by reference in the North Anna UFSAR and contained in these files may not be text searchable.

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As a duly authorized officer of the Virginia Electric and Power Company, I hereby certify that the information given in the enclosed Revision 52 of the North Anna UFSAR accurately presents changes that were made since the previous submittal. Should you have any questions regarding this submittal, please contact Mrs. Diane Aitken at (804) 273-2694.

Sincerely,

Mark D. Sartain →

Mark D. Sartain
Vice President – Nuclear Engineering

Commitments made in this letter: None.

Attachments

1. CD-ROM labeled "North Anna Power Station Updated Final Safety Analysis Report Revision 52 Docket Nos. 50-338/339 Security-Related Information – Withhold Under 10 CFR 2.390" – Security-Related Information
2. CD-ROM labeled "North Anna Power Station Updated Final Safety Analysis Report Revision 52 – Redacted Docket Nos. 50-338/339" – Redacted

COMMONWEALTH OF VIRGINIA)
)
COUNTY OF HENRICO)

GARY DON MILLER
Notary Public
Commonwealth of Virginia
Reg. # 7629412
My Commission Expires August 31, 2019

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by Mark D. Sartain, who is Vice President - Nuclear Engineering, of Virginia Electric and Power Company. He has affirmed before me that he is duly authorized to execute and file the foregoing document in behalf of that Company, and that the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 13th day of October, 2016.

My Commission Expires: August 31, 2019.

Gary Don Miller
Notary Public

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cc: U.S. Nuclear Regulatory Commission (w/Atts. 1& 2)
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North Anna Power Station

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ATTACHMENT 1

CD-ROM labeled
“North Anna Power Station Updated Final Safety
Analysis Report Revision 52 Docket Nos. 50-338/339
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10 CFR 2.390”

**Virginia Electric and Power Company (Dominion)
North Anna Power Station**

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ATTACHMENT 2

CD-ROM labeled
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Analysis Report Revision 52 – Redacted
Docket Nos. 50-338/339"

**Virginia Electric and Power Company (Dominion)
North Anna Power Station**