

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

June 1, 2018

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

Serial No. NA3-18-002  
Docket No. 52-017  
License No. NPF-103  
NRA/DEA

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**NORTH ANNA UNIT 3**  
**SUBMISSION OF PERIODIC REPORTS**

The purpose of this letter is to submit periodic reports for North Anna Unit 3 as required by NRC regulations and/or license conditions for a Part 52 combined license holder. These reports address various annual or semi-annual reporting requirements. The following reports are addressed by this letter:

- Semi-Annual Departures Report
- Annual FSAR Update, including site-specific Tier 1 material
- Semi-Annual Changes, Tests, and Experiments Report
- Semi-Annual Schedule for Implementation of Operational Programs

**Semi-Annual Departures Report.** The design certification rule for the GEH ESBWR (10 CFR 52, Appendix E) became effective on November 14, 2014. Paragraph X.B.3.b of the rule requires the COL holder who references the ESBWR DCD to submit semi-annual reports to the NRC that describe plant-specific departures from the DCD. The departures report for North Anna Unit 3 consists of the departures section from the North Anna Unit 3 Combined License Application (COLA), Part 7, *Departures Report*. An updated departures report was submitted to the NRC most recently by letter NA3-16-050, dated December 16, 2016 (ML16355A182). No departures that were included in the December 16, 2016 letter have been revised or deleted, and no new departures have been identified. Therefore, the previous report continues to be current.

**Annual FSAR Update, including site-specific Tier 1 material.** 10 CFR 50.71(e)(3)(iii) requires that the FSAR filed as part of the COLA be updated annually until the Commission makes the finding under 10 CFR 52.103(g). The FSAR information was most recently submitted on June 22, 2016 (ML16208A322) as part of North Anna Unit 3 COLA submissions 18 and 19 which included Part 2, *FSAR*. No FSAR information has been revised, deleted, or added since that submittal. Therefore, the previously submitted FSAR continues to be current.

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**Semi-Annual Changes, Tests, and Experiments Report.** There have been no changes, tests, or experiments evaluated under 10 CFR 50.59 since issuance of the COL on June 2, 2017. Future 10 CFR 50.59 reports will be submitted on a semi-annual basis based on the COL issuance milestone.

**Semi-Annual Schedule for Implementation of Operational Programs.** The U.S. Nuclear Regulatory Commission (NRC) issued Combined License (COL) NPF-103 to Virginia Electric and Power Company for North Anna Unit 3 (NA3) pursuant to Title 10 of the Code of Federal Regulations (10 CFR) Section 52.97, "Issuance of combined licenses," on June 2, 2017. Virginia Electric and Power Company is required to submit, no later than 12 months after issuance of the COL and updated every 6 months until 12 months before scheduled fuel loading, the following in accordance with License Condition 2.D.(11):

- A schedule for implementation of the operational programs listed in Final Safety Analysis Report Table 13.4-201, including:
  - the associated estimated date for initial loading of fuel;
  - The implementation of site specific Severe Accident Mitigation Management Guidelines; and
  - The spent fuel rack coupon monitoring program implementation

The NA3 implementation schedule is provided in Enclosure 1. Since a decision has not been made to construct the NA3 unit at this time, there are no scheduled dates for the various programs and other items listed, including the estimated date for initial loading of fuel. Therefore, the scheduled implementation dates for the operational programs and other items are designated as "To Be Determined" (TBD).

Please contact Diane E. Aitken at (804) 273-2694 (diane.aitken@dominionenergy.com) if you have questions.

Very truly yours,  
  
Gerald T. Bischof  
Senior Vice President Nuclear Operations and Fleet Performance

Attachment  
1. Implementation Schedule of Operational Programs

This letter contains no NRC commitments.

cc w/o Attachment, except where noted:

U. S. Nuclear Regulatory Commission, Region II (with Attachment)

J. J. Shea, Jr., NRC (with Attachment)

M. A. Eudy, NRC

T. S. Dozier, NRC (with Attachment)

G. Croon, NRC

D. Paylor, VDEQ

M. K. Brandon, DTE

R. J. Bell, NEI

**Attachment 1**

**IMPLEMENTATION SCHEDULE OF OPERATIONAL PROGRAMS**

<b>Implementation Schedule of Operational Programs</b>		
<b>Item</b>	<b>Program Name</b>	<b>Scheduled Implementation Date</b>
1.	Inservice Inspection Program	TBD
	Flow-Accelerated Corrosion Program	TBD
2.	Inservice Testing Program	TBD
3.	Environmental Qualification Program	TBD
4.	Preservice Inspection Program	TBD
5.	Reactor Vessel Material Surveillance Program	TBD
6.	Preservice Testing Program	TBD
7.	Containment Leakage Rate Testing Program	TBD
8.	Fire Protection Program	TBD
	(portions applicable to radioactive material)	TBD
9.	Process and Effluent Monitoring and Sampling Program:	TBD
	Radiological Effluent Technical Specifications/Standard Radiological Effluent Controls	TBD
	Offsite Dose Calculation manual	TBD
	Radiological Environmental Monitoring Program	TBD
	Process Control Program	TBD
10.	Radiation Protection Program	TBD

<b>Implementation Schedule of Operational Programs</b>		
<b>Item</b>	<b>Program Name</b>	<b>Scheduled Implementation Date</b>
11.	Non Licensed Plant Staff Training Program (portions applicable to radioactive material)	TBD
12.	Reactor Operator Training Program	TBD
13.	Reactor Operator Requalification Program	TBD
14.	Emergency Planning	TBD
15.	Security Program:	TBD
	Physical Security Program	TBD
	Safeguards Contingency Program	TBD
	Training and Qualification Program	TBD
	Cyber Security Plan	TBD
	Special Nuclear Material Physical Protection Program	TBD
	FFD Program for Construction (Workers and First Line Supervisors)	TBD
	FFD Program for Construction (Management and Oversight Personnel)	TBD
	FFD Program for Security Personnel	TBD
	FFD Program for FFD Program Personnel	TBD
	FFD Program for Individuals Required to Physically Report to the TSC or EOF	TBD
	FFD Program for Operation	TBD

**Implementation Schedule of Operational Programs**

Item	Program Name	Scheduled Implementation Date
16.	Quality Assurance Program – Operation	TBD
17.	Maintenance Rule	TBD
18.	Motor-Operated Valve Testing	TBD
19.	Initial Test Program	TBD
20.	Snubber Testing and Inspection Program  Preservice Inspection Program  Inservice Inspection Program  Inservice Testing Program  Preservice Thermal Movement Inspection  Preservice Testing Program	TBD  TBD  TBD  TBD  TBD
Notes: a. Snubber inservice examination is initially performed not less than two months after attaining 5% reactor power operation and will be completed within 12 calendar months after attaining 5% reactor power.		
21.	Mitigative Strategies Descriptions and Plans	TBD
22.	Lifecycle Minimization of Contamination	TBD
23.	SNM Material Control and Accounting Program	TBD
2.D.(11)	Severe Accident Management Guidelines	TBD
2.D.(11)	Spent Fuel Rack Coupon Monitoring Program	TBD