

January 16, 2018



U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Serial No.: 17-325
NLOS/DEA: R0
Docket Nos.: 50-338/339
50-280/281
52-017
72-2/16/55/56
License Nos.: NPF-4/7
DPR-32/37
NPF-103
SNM-2501/2507

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNITS 1, 2 AND 3 AND ISFSIs
SURRY POWER STATION UNITS 1 AND 2 AND ISFSIs
PROPOSED CONSOLIDATED EMERGENCY OPERATIONS FACILITY

Pursuant to 10 CFR 50.90, Virginia Electric and Power Company (Dominion Energy Virginia) is submitting license amendments requesting prior approval of proposed revisions to the emergency plans for North Anna Power Station (NAPS) and Surry Power Station (SPS). Additionally, applicable contents of the Corporate Emergency Response Plan (CERP) will be incorporated into the NAPS and SPS emergency plans, and the CERP will be retired.

Dominion Energy Virginia proposes to consolidate the NAPS and SPS local emergency operations facilities (EOFs), their common back-up central EOF, and their headquarters support organization. The proposed consolidated EOF, referred to herein as the Corporate Emergency Response Center (GERC), will be located more than 25 miles from each nuclear power reactor site. The proposed change includes provisions to establish on-site response locations at each nuclear power reactor site where NRC and offsite responders can interact face-to-face with emergency response personnel entering and leaving the nuclear power reactor site. Specifically, these response locations include:

- (1) Space for members of an NRC site team and Federal, State, and local responders;
- (2) Additional space for conducting briefings with emergency response personnel;
- (3) Communication with other licensee and offsite emergency response facilities;
- (4) Access to plant data and radiological information; and
- (5) Access to copying equipment and office supplies.

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The proposed CERC will have the following capabilities:

- (1) The capability to obtain and display plant data and radiological information for each reactor at NAPS and SPS;
- (2) The capability to analyze plant technical information and provide technical briefings on event conditions and prognosis to Dominion Energy Virginia and offsite response organizations for each reactor at NAPS and SPS; and
- (3) The capability to support responses to events occurring simultaneously at NAPS and SPS.

The proposed CERC would be accessible if the nuclear power reactor site(s) is (are) under threat of, or experiencing, hostile action. The proposed CERC will have the capability to communicate with the NAPS and SPS remote mustering areas to perform offsite notifications, and to support engineering assessment activities, including damage control team planning and preparation if onsite emergency facilities cannot be safely accessed during hostile action.

The proposed changes require prior Commission approval before implementation because the future consolidated EOF (proposed CERC) is more than 25 miles from both the NAPS nuclear power reactor site and SPS nuclear power reactor site. Specifically, 10 CFR 50, Appendix E, Section IV.E.8.b requires submittal of an application for an amendment to the licenses to request prior Commission approval if a licensee desires to locate an EOF more than 25 miles from a nuclear power reactor site.

The North Anna Unit 3 (NA3) combined operating license (NPF-103, 052000017) Emergency Plan describes the NAPS local EOF and the central (back-up) EOF. Following approval and implementation of this license amendment, these facilities will cease to exist. A NA3-specific license amendment would be needed to reference the proposed CERC in the NA3 COL Emergency Plan prior to commencing operation at NA3. If Dominion Energy Virginia decides to construct NA3, a separate license amendment would be developed and submitted.

Dominion Energy Virginia is also proposing additional changes which have been determined to require prior NRC staff approval in accordance with 10 CFR 50.54(q)(4) because these changes are considered reductions in effectiveness. (Attachment 3)

Information provided in the attachments to this letter is summarized below:

- Attachment 1 provides a discussion of the proposed changes
- Attachment 2 provides a disposition of the CERP to the NAPS and SPS Emergency Plans
- Attachment 3 provides a discussion of the additional changes for which NRC review and approval is being requested
- Attachment 4 provides marked-up NAPS emergency plan changes
- Attachment 5 provides proposed NAPS emergency plan changes

- Attachment 6 provides marked-up SPS emergency plan changes
- Attachment 7 provides proposed SPS emergency plan changes

A proof-of-concept demonstration of the proposed CERC's capability to support response to events occurring simultaneously at NAPS and SPS is currently scheduled for March 5, 2018.

Dominion Energy Virginia and NRC staff participated in a pre-submittal meeting on October 4, 2017, regarding these changes.

The proposed amendments have been evaluated and it has been determined that they do not involve a significant hazards consideration as defined in 10 CFR 50.92. The basis for this determination is included in Attachment 1. It has also been determined that operation with the proposed changes will not result in any significant increase in the amount of effluents that may be released offsite or any significant increase in individual or cumulative occupational radiation exposure. Therefore, the proposed amendments are eligible for categorical exclusion from an environmental assessment as set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment is needed in connection with the approval of the proposed changes.

The proposed emergency plan changes have been reviewed and approved by the NAPS and SPS Facility Safety Review Committees. The changes have been discussed with and agreed to by the Commonwealth of Virginia and local governmental authorities in the risk jurisdictions around NAPS and SPS (Attachment 8).

This submittal contains no new regulatory commitments. In accordance with 10 CFR 50.91, Dominion Energy Virginia is notifying the Commonwealth of Virginia of this license amendment request by transmitting a copy of this letter to the designated state official.

Should you have any questions or require additional information, please contact Diane E. Aitken at (804) 273-2694.

Sincerely,



Mark D. Sartain
Vice President – Nuclear Engineering and Fleet Support
Virginia Electric and Power Company

COMMONWEALTH OF VIRGINIA)

COUNTY OF HENRICO)

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 and Fleet Support, 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 those companies, and that the statements in the document are true to the best of his knowledge and belief.

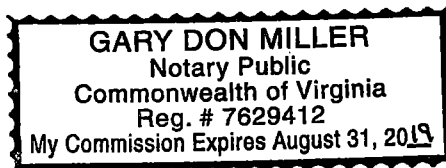
Acknowledged before me this 16th day of January, 2018.

My Commission Expires: August 31, 2019


Notary Public

Commitments contained in this letter: None

Attachments:



1. Discussion of Proposed Change
2. Disposition of Corporate Emergency Response Plan Contents
3. Additional NAPS and SPS Emergency Plan Changes Requiring NRC Approval
4. Marked-Up NAPS Emergency Plan Page Changes
5. Proposed Changed NAPS Emergency Plan Pages
6. Marked-Up SPS Emergency Plan Page Changes
7. Proposed Changed SPS Emergency Plan Pages
8. Offsite Response Agency Letters of Concurrence

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