

January 4, 2019



10 CFR 50.90

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

Serial No.: 18-364
NRA/DEA: R2
Docket Nos.: 50-245
50-336/423
50-338/339
50-280/281
72-2/16/47/55/56
License Nos.: DPR-21
DPR-65
NPF-49
NPF-4/7
DPR-32/37
SNM-2501/2507

VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NUCLEAR CONNECTICUT, INC.
MILLSTONE POWER STATION UNITS 1, 2 AND 3 AND INDEPENDENT SPENT
FUEL STORAGE INSTALLATION (ISFSI)
NORTH ANNA POWER STATION UNITS 1 AND 2 AND ISFSI
SURRY POWER STATION UNITS 1 AND 2 AND ISFSI
LICENSE AMENDMENT REQUEST TO ADOPT
EMERGENCY ACTION LEVEL (EAL) SCHEMES PURSUANT TO NEI 99-01, REV. 6

In accordance with 10 CFR 50.90, Dominion Energy Nuclear Connecticut, Inc. (DENC) and Virginia Electric and Power Company (Dominion Energy Virginia) requests amendments to the licenses for the following facilities:

Millstone Power Station (MPS) Units 1, 2, 3 and ISFSIs
Facility Operating License No. DPR-21
Renewed Facility Operating License Nos. DPR-65 and NPF-49
Docket Nos. 50-245, 50-336, 50-423 and 72-47

North Anna Power Station (NAPS) Units 1, 2 and ISFSIs
Renewed Facility Operating License Nos. NPF-4, NPF-7 and SNM-2507
Docket Nos. 50-338, 50-339, 72-16 and 72-56

Surry Power Station (SPS) Units 1, 2 and ISFSIs
Renewed Facility Operating License Nos. DPR-32, DPR-37 and SNM-2501
Docket Nos. 50-280, 50-281, 72-2 and 72-55

AX45
NMSS26
NRR
NMSS

Specifically, DENC and Dominion Energy Virginia propose to replace the current EAL schemes at MPS, NAPS, and SPS with new EAL schemes prepared using the guidelines of Nuclear Energy Institute (NEI) 99-01, Rev. 6, "Methodology for the Development of Emergency Action Levels for Non-Passive Reactors," dated November 2012. NEI 99-01 has been endorsed by the NRC as documented by NRC letter dated March 28, 2013 [ADAMS Accession No. ML12346A463].

10 CFR 50, Appendix E, Section IV.B.2, stipulates that a licensee desiring to change its entire EAL scheme shall submit an application for an amendment to its license and receive NRC approval before implementing the change. Therefore, pursuant to 10 CFR 50.90, DENC and Dominion Energy Virginia hereby request NRC review and approval of revisions to EALs for MPS, NAPS and SPS.

The proposed changes to the MPS, NAPS and SPS EAL schemes are addressed in the following seven Enclosures:

- Enclosure 1: EAL Scheme Revisions Enclosure Summary
- Enclosure 2: Discussion of Change
- Enclosure 3: MPS EAL Scheme Revisions – Supporting Documents
- Enclosure 4: NAPS EAL Scheme Revisions – Supporting Documents
- Enclosure 5: SPS EAL Scheme Revisions – Supporting Documents
- Enclosure 6: MPS, NAPS, and SPS Emergency Action Level Matrices
- Enclosure 7: Summary of Calculations

In addition, Enclosures 3, 4 and 5 each contain the following items for MPS, NAPS and SPS, respectively: 1) EAL Comparison Matrix Document, 2) EAL Technical Bases Document (marked-up), and 3) EAL Technical Bases Document (final).

The proposed changes 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 Enclosure 2. 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 changes 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 changes have been discussed with and agreed upon by the State of Connecticut and the Commonwealth of Virginia and local governmental authorities in the risk jurisdictions around MPS, NAPS and SPS.

The proposed EAL scheme revisions have been reviewed and approved by the associated station's Facility Safety Review Committee.

DENC and Dominion Energy Virginia request approval of the proposed amendments by January 15, 2020. Once approved, the amendments will be implemented within 12 months by the respective stations. The requested implementation period is needed to facilitate and coordinate the necessary training, with established training cycles for the Operations crews as well as other Emergency Response Organization personnel, and allows time to complete the training while also accommodating facility outage schedules.

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

Sincerely,



Mark Sartain
Vice President – Nuclear Engineering and Fleet Support
Dominion Energy Nuclear Connecticut, Inc.
Virginia Electric and Power Company

Commitments contained in this letter: None

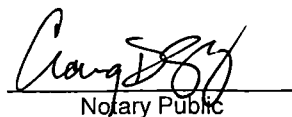
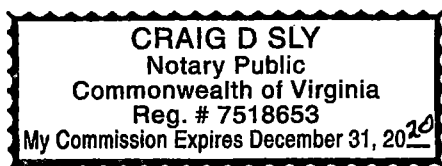
Enclosures: 1 through 7 (See Enclosure 1 for Enclosure Summary.)

COMMONWEALTH OF VIRGINIA)
)
COUNTY OF HENRICO)

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by Mark Sartain, who is Vice President – Nuclear Engineering and Fleet Support, of Dominion Nuclear Energy Connecticut, Inc. and 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 4th day of January, 2019.

My Commission Expires: 12/31/20



Notary Public

cc: U. S. Nuclear Regulatory Commission, Region I
Attn.: Regional Administrator
2100 Renaissance Blvd.
Suite 100
King of Prussia, Pennsylvania 19406-2713

U. S. Nuclear Regulatory Commission, Region II
Attn.: Regional Administrator
Marquis One Tower
245 Peachtree Center Ave., NE, Suite 1200
Atlanta, Georgia 30303-1257

Director, Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety and Safeguards
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Ms. Yen-Ju Chen
NRC Senior Project Manager
U. S. Nuclear Regulatory Commission
Two White Flint North
Mail Stop 4B34
11545 Rockville Pike
Rockville, MD 20852-2738

Mr. J. N. Nguyen
NRC Senior Project Manager
U. S. Nuclear Regulatory Commission
Two White Flint North
Mail Stop 4B34
11545 Rockville Pike
Rockville, MD 20852-2738

Mr. R. V. Guzman
NRC Senior Project Manager Millstone Units 2 & 3
U. S. Nuclear Regulatory Commission
One White Flint North
Mail Stop O8 C-2
11555 Rockville Pike
Rockville, MD 20852-2738

Ms. K. R. Cotton Gross
NRC Project Manager Surry
U. S. Nuclear Regulatory Commission
One White Flint North
Mail Stop O8 G-9A
11555 Rockville Pike
Rockville, MD 20852-2738

Mr. J. R. Hall
NRC Senior Project Manager North Anna
U. S. Nuclear Regulatory Commission
One White Flint North
Mail Stop O8 B-1A
11555 Rockville Pike
Rockville, MD 20852-2738

Mr. Marcus Harris
Old Dominion Electric Cooperative
Innsbrook Corporate Center
4201 Dominion Blvd. – Suite 300
Glen Allen, VA 23060

Director, Radiation Division
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

State Coordinator of Emergency Management
Virginia Department of Emergency Management
10501 Trade Court
North Chesterfield, VA 23236

NRC Senior Resident Inspector
Millstone Power Station

NRC Senior Resident Inspector
North Anna Power Station

NRC Senior Resident Inspector
Surry Power Station