

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

October 12, 2026

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

Serial No.: 26-250
SPS-LIC/AJG: R0
Docket Nos.: 50-280
50-281
License Nos.: DPR-32
DPR-37

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2
ANNUAL SUBMITTAL OF TECHNICAL SPECIFICATIONS BASES CHANGES
PURSUANT TO TECHNICAL SPECIFICATION 6.4.J

Pursuant to Technical Specification 6.4.J, "Technical Specifications (TS) Bases Control Program," Dominion Energy Virginia hereby submits changes to the Bases of the Surry Power Station (SPS) TS implemented between October 1, 2025, and September 30, 2026.

Bases changes to the TS that were not previously submitted to the NRC as part of a License Amendment Request were reviewed and approved by the Facility Safety Review Committee (FSRC). It was determined that the changes did not require a revision to the TS or operating licenses, nor did the changes involve a revision to the Updated Final Safety Analysis Report (UFSAR) or Bases that required Nuclear Regulatory Commission (NRC) prior approval pursuant to 10 CFR 50.59. These changes have been incorporated into the TS Bases. A summary of these changes is provided in Attachment 1.

TS Bases changes that were submitted to the NRC for information along with associated License Amendment Request transmittals, submitted pursuant to 10CFR50.90, were also reviewed and approved by the FSRC. These changes have been implemented with the respective License Amendments. A summary of these changes is provided in Attachment 2.

Current TS Bases pages reflecting the changes discussed in Attachments 1 and 2 are provided in Attachment 3.

If you have any questions regarding this transmittal, please contact Adrien Gruber, Surry Power Station Licensing Group at (757) 365-2593.

Sincerely,

A handwritten signature in black ink, appearing to read 'Geoff Hill', with a stylized, cursive script.

Geoff Hill
Director Nuclear Plant Support
Surry Power Station

Attachments:

1. Summary of TS Bases Changes Not Previously Submitted to the NRC
2. Summary of TS Bases Changes Associated with License Amendments
3. Current TS Bases Pages

Commitments made in this letter: None

cc: U.S. Nuclear Regulatory Commission
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NRC Senior Resident Inspector
Surry Power Station

Attachment 1

Summary of TS Bases Changes Not Previously Submitted to the NRC

**Surry Power Station Units 1 and 2
Virginia Electric and Power Company
(Dominion Energy Virginia)**

LBD CR/TSCR 479

As part of DC SU-22-00129, the Movable Incore Detector System (MIDS) flux thimble tubes (FTTs) in Unit 1 core locations 87, D7, and H13 are being removed and replaced with Fixed Incore Detector System (FIDS) Incore Detector Assemblies (ICDAs). This has no effect on the Incore Technical Specification Surveillance requirements of minimum available thimbles for power distribution measurement or excore system calibration flux mapping.

Attachment 2

Summary of TS Bases Changes Associated with License Amendments

[NONE]

Attachment 3

Current TS Bases Pages

[TS Bases Pages 3.18-2]

**Surry Power Station Units 1 and 2
Virginia Electric and Power Company
(Dominion Energy Virginia)**

TS 3.18-2
06-12-25

Basis

The Movable In-core Instrumentation System⁽¹⁾ has five drives, five detectors, and 50⁽²⁾ |
thimbles in the core. Each detector can be routed to twenty or more thimbles.
Consequently, the full system has a great deal more capability than would be needed for
the calibration of the excore detectors.

To calibrate the excore detectors system, it is only necessary that the Movable In-core
System be used to determine the gross power distribution in the core as indicated by the
power balance between the top and bottom halves of the core.

After the excore system is calibrated initially, recalibration is needed only infrequently to
compensate for changes in the core, due for example to fuel depletion, and for changes in
the detectors.

If the recalibration is not performed, the mandated power reduction assures safe operation
of the reactor since it will compensate for an error of 10% in the excore protection system.
Experience at Beznau No. 1 and R. E. Ginna plants has shown that drift due to the core on
instrument channels is very slight. Thus limiting the operating levels to 90% of the rated
two and three loop powers is very conservative for both operational modes.

Reference

- (1) FSAR - Section 7.6
- (2) (FOR UNIT 1 ONLY) Forty-Seven (47) thimble locations for the Movable In-core
Instrumentation System, three (3) thimble locations for the Fixed Incore Detector
System. |