

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

June 5, 2018

10 CFR 50 Appendix H

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

Serial No.: 18-098A
NRA/GDM: R0
Docket Nos.: 50-280/281
License Nos.: DPR-32/37

VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION ENERGY VIRGINIA)
SURRY POWER STATION UNITS 1 AND 2
REVISED REACTOR VESSEL MATERIALS SURVEILLANCE CAPSULE
WITHDRAWAL SCHEDULES - EDITORIAL CORRECTION

By letter dated July 28, 2017, Serial No. 17-243, (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17213A080), Dominion Energy Virginia submitted a request for NRC review and approval of proposed reactor vessel material surveillance capsule withdrawal schedules for Surry Power Station (Surry) Units 1 and 2 in accordance with Title 10 of the Code of Federal Regulations (10 CFR) Part 50, Appendix H, *Reactor Vessel Material Surveillance Program Requirements*. The proposed withdrawal schedules address revisions to the surveillance capsule withdrawal schedules approved for the 40 to 60-year period of extended operation (PEO).

Subsequent to that submittal, an editorial error was recently identified in the revised Table 4.1-13, "Surveillance Capsule Withdrawal Schedule for Surry Unit 2." Specifically, the existing Estimated Withdrawal EFPY/Year values provided for Capsules S and W1 in the table were inadvertently reversed. It should be noted this information is not being revised as part of the original request. The corrected revised Table 4.1-13 is provided in the attachment with the corrected values highlighted for easy reference.

Should you have any questions or require additional information, please contact Mr. Gary D. Miller at (804) 273-2771.

Sincerely,



Mark D. Sartain
Vice President – Nuclear Engineering and Fleet Support

Commitments made in this letter: None

A008
NRR

Attachment:

Corrected Revised Reactor Vessel Materials Surveillance Capsule Withdrawal
Schedule – UFSAR Table 4.1-13, Surry Power Station Unit 2

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

NRC Senior Resident Inspector
Surry Power Station

Ms. K. R. Cotton Gross
NRC Project Manager
U. S. Nuclear Regulatory Commission
One White Flint North
Mail Stop 08 G9A
11555 Rockville Pike
Rockville, Maryland 20852-2738

Mr. J. R. Hall
NRC Senior Project Manager
U. S. Nuclear Regulatory Commission
One White Flint North
Mail Stop 08 B1A
11555 Rockville Pike
Rockville, MD 20852-2738

Attachment

**CORRECTED REVISED REACTOR VESSEL MATERIALS SURVEILLANCE
CAPSULE WITHDRAWAL SCHEDULE – UFSAR TABLE 4.1-13**

SURRY POWER STATION UNIT 2

**Virginia Electric and Power Company
(Dominion Energy Virginia)**

Table 4.1-13
SURVEILLANCE CAPSULE WITHDRAWAL SCHEDULE^a FOR SURRY UNIT 2

Capsule Identification	Capsule Location	Estimated Withdrawal EFPY/Year	Insert EFPY/Year	Estimated Capsule Fluence (x 10 ¹⁹) ^b
X ^c	285°	1.2/1975	NA	0.297
W ^c	245°	3.8/1979	NA	0.636
V ^c	165°	8.7/1986	NA	1.89
Y	295°	14.3/1995	NA	1.97
Y	165°	NA	14.3/1995	NA
Y ^c	165°	20.8/2002	NA	2.73
U	65°	27.9/2009	NA	3.49
U	285°	NA	27.9/2009	NA
U ^c	285°	49.0/2032	NA	7.26
T	55°	19.7/2002	NA	1.82
T	165°	NA	19.7/2002	NA
T ^d	165°	NA	NA	6.65 (48.0 EFPY) 9.06 (60.0 EFPY)
Z	305°	13.7/1994	NA	1.34
Z	245°	NA	13.7/1994	NA
Z ^d	245°	NA	NA	5.39 (48.0 EFPY) 8.21 (68.0 EFPY)
S	45°	15.0/1996	NA	1.07
W1	285°	NA	10.9/1991	NA
W1 ^c	285°	16.4/1997	NA	0.690

- a. Withdrawal schedule meets requirements of ASTM E 185-82, *Standard Practice for Conducting Surveillance Tests for Light-Water Cooled Nuclear Power Reactor Vessels*, dated July 1, 1982.
- b. 48.0 EFPY corresponds to the estimated cumulative core burnup at the end of the 60-year license period. Fluence values for withdrawn capsules are obtained from capsule test reports.
- c. These capsules are required to satisfy the requirements of ASTM E 185-82 during the license period.
- d. Capsules T and Z are available to satisfy potential fluence monitoring requirements during the 20-year license renewal period. Future projected capsule fluence values are related to asset management objectives.
- e. Master Integrated Reactor Vessel Materials Surveillance Program capsule.