

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

October 26, 2015

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

Serial No.: 15-023B
SPS LIC/CGL: R0
Docket Nos.: 50-280/281
License Nos.: DPR-32/37

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2
FINAL UPDATE REGARDING FLUENCE ASSESSMENT
FOR REACTOR VESSEL INLET AND OUTLET NOZZLES

By letter dated July 30, 2015 (Serial No. 15-023A), Virginia Electric and Power Company (Dominion) provided an update to the NRC regarding the status of the fluence assessment for the reactor vessel (RV) inlet and outlet nozzles. The update advised the NRC that eight of the twelve inlet and outlet nozzles on the Surry Units 1 and 2 RVs will have maximum fast neutron fluence less than the 1×10^{17} n/cm² (E > 1 MeV) fluence threshold at the end of the renewed licensed operating period. The update also advised the NRC that there were four nozzles (two nozzles on each of the RVs) that required additional detailed fluence calculations at a more precise location in the nozzle.

The additional detailed fluence calculations have been completed for the four RV nozzles. The purpose of this letter is to provide the final update to the NRC regarding the additional calculations. The detailed fluence calculations that were performed at a more precise location in the four nozzles concluded that the neutron fluence will remain below the 1×10^{17} n/cm² (E > 1 MeV) threshold at the 1/4T flaw location at the end of the renewed licensed operating period for Surry Units 1 and 2 on May 25, 2032 and January 29, 2033, respectively.

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

Respectfully,



Mark D. Sartain
Vice President – Nuclear Engineering

Commitments contained in this letter: None.

ADD
NRR

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