

V.C. Summer Nuclear Station
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DominionEnergy.com

January 25, 2022



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

Serial No. 22-016
VCS LIC/BAB/Rev 0
Docket No. 50-395
License No. NPF-12

DOMINION ENERGY SOUTH CAROLINA (DESC)
VIRGIL C. SUMMER NUCLEAR STATION (VCSNS) UNIT 1
SPECIAL REPORT 2022-001
INOPERABLE LOOSE-PART MONITORING SYSTEM CHANNELS

Dominion Energy South Carolina, Inc. (DESC) hereby submits Special Report 2022-001 pursuant to the requirements of Technical Specifications (TS) 3.3.3.10 Action a and TS 6.9.2. This special report is required by VCSNS TS because Loose-Part Monitoring System (LPMS) Channel 9 has been inoperable for greater than 30 days and Channel 6 will be inoperable for greater than 30 days.

LPMS Channel 9, monitoring Steam Generator (SG) 'C', was declared inoperable on December 17, 2021. LPMS Channel 6, monitoring SG 'B', was declared inoperable on January 13, 2022. They were declared inoperable due to diminished signal strengths, most likely caused by intermittent electrical connections. SG 'C' LPMS Channel 8 continues to monitor SG 'C' for loose parts, without Channel 9 coincidence. SG 'B' LPMS Channel 7 continues to monitor SG 'B' for loose parts, without Channel 6 coincidence. Both channels have been disabled in LPMS. Loss of dual channel coincidence reduces one aspect of the false alarm filtering functionality. The failed transducers for Channel 6 (IAT00756) and Channel 9 (IAT00759) are scheduled for repair or replacement during Refuel 27 in Spring 2023.

Should you have any questions, please call Michael S. Moore at (803) 345-4752.

Sincerely,

A handwritten signature in black ink, appearing to read "George A. Lippard".

George A. Lippard
Site Vice President
V.C. Summer Nuclear Station

Commitments contained in this letter: None

cc: G. J. Lindamood – Santee Cooper
L. Dudes – NRC Region II
G. Miller – NRC Project Manager
NRC Resident Inspector