

V.C. Summer Nuclear Station  
Bradham Blvd & Hwy 215, Jenkinsville, SC 29065  
Mailing Address:  
P.O. Box 88, Jenkinsville, SC 29065  
DominionEnergy.com



October 13, 2022

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

Serial No. 22-323  
VCS LIC/JB 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 2022-005**  
**INOPERABLE RADIATION MONITORING INSTRUMENTATION CHANNEL**

Dominion Energy South Carolina, Inc. (DESC) hereby submits Special Report 2022-005, pursuant to the requirements of Technical Specification (TS) 6.9.2, as required by Action 30 of TS 3.3.3.1.b, Table 3.3-6, RADIATION MONITORING INSTRUMENTATION, Item 2.d.iii.

Purge Exhaust Effluent High Range Radiation Monitor, RM-A14, was declared inoperable on September 30, 2022, at 1100 EDT, due to erroneous indications. RM-A14 provides radiation monitoring for the Reactor Building Purge Exhaust System as described within Final Safety Analysis Report (FSAR) section 9.4.8.2.2 Reactor Building Purge Supply and Exhaust System, FSAR Figure 9.4-28, and FSAR section 11.4 Process and Effluent Radiological Monitoring Systems. Upon declaring RM-A14 inoperable, VCSNS implemented a preplanned alternate method of monitoring in accordance with the requirements of Action 30 of TS Table 3.3-6.

VCSNS is working parallel paths to restore RM-A14 to OPERABLE status. If the existing detector or spares cannot be repaired, additional detectors have been ordered and are expected to be received at VCSNS by the end of the year. As such, restoration of RM-A14 to OPERABLE status is targeted within 90 days of this letter. If additional time is required VCSNS will provide an update to this Special Report.

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", written over a white background.

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