



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

April 7, 2022

Mr. Daniel G. Stoddard
Senior Vice President and Chief Nuclear Officer
Dominion Energy
Innsbrook Technical Center
5000 Dominion Blvd., Floor: IN-2SW
Glen Allen, VA 23060

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION – OPERATION OF AN INDEPENDENT
SPENT FUEL STORAGE INSTALLATION REPORT 07201038/2022001

Dear Mr. Stoddard:

On March 11, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at the Virgil C. Summer Nuclear Station and discussed the results of this inspection with members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

A handwritten signature in black ink, appearing to read "Binoy B. Desai".

Signed by Desai, Binoy
on 04/07/22

Binoy B. Desai, Chief
Engineering Branch 3
Division of Reactor Safety

Docket No. 07201038
License Nos. NPF-12

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION – OPERATION OF AN INDEPENDENT SPENT FUEL STORAGE INSTALLATION REPORT 07201038/2022001 DATED APRIL 7, 2022

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OFFICE	RII/DRS	RII/DRS			
NAME	P. Cooper	B. Desai			
DATE	4/7/2022	4/7/2022			

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Number: 07201038

License Number: NPF-12

Report Number: 07201038/2022001

Enterprise Identifier: I-2022-001-0042

Licensee: Dominion Energy

Facility: Virgil C. Summer Nuclear Station

Location: Jenkinsville, SC

Inspection Dates: March 7 – 11, 2022

Inspectors: P. Cooper, Senior Reactor Inspector

Approved By: Binoy B. Desai, Chief
Engineering Branch 3
Division of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting inspections of activities related to the Virgil C. Summer Nuclear Station operational activities of dry cask storage of spent fuel from March 7 – 11, 2022. The NRC's program for overseeing the safe operation of dry storage of spent fuel at an Independent Spent Fuel Storage Installations (ISFSI) is described in Inspection Manual Chapter 2690, "Inspection Program for Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations and for 10 CFR Part 71 Transportation Packagings."

List of Findings and Violations

No findings or violations of more than minor significance were identified.

Additional Tracking Items

None.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2690, "Inspection Program for Storage of Spent Reactor Fuel and Reactor-Related Greater-than-Class C Waste at Independent Spent Fuel Storage Installations (ISFSI) and for 10 CFR Part 71 Transportation Packaging's."

60855 – OPERATION OF AN INDEPENDENT SPENT FUEL STORAGE INSTALLATION

Operation of an Independent Spent Fuel Storage Installation (1 Sample)

From March 7 – 11, 2022, the inspectors performed a review of the licensee's ISFSI activities to verify compliance with regulatory requirements. During the on-site inspection, the inspectors observed and reviewed licensee activities in each of the five safety focus areas including occupational exposure, public exposure, fuel damage, confinement, and impact to plant operations.

The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards. Additionally, the inspectors performed independent walkdowns of the heavy load lifting equipment and the ISFSI haul path. The inspector also performed an independent radiation survey of the ISFSI pad.

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

On March 10, 2022, the inspectors presented the results to Mr. George Lippard, Site Vice President and other members of the licensee staff.