



Dustin T. Hamman  
Director Nuclear and Regulatory Affairs

June 26, 2024  
000519

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

Reference: Letter 000457 (NRC ADAMS No. ML24118A003), "Wolf Creek Generating Station 2023 Annual Radioactive Effluent Release Report – Report 47," dated April 27, 2024, from D. T. Hamman, WCNOG, to USNRC

Subject: Docket No. 50-482 and 72-79: Correction to 2023 Annual Radioactive Effluent Release Report – Report 47

Commissioners and Staff:

The reference submitted the Wolf Creek Generating Station Annual Radioactive Effluent Release Report – 47, for the period of January 1 to December 31 of 2023. Subsequent to the submittal of this report, the table in Section VI.C (page 6) "Dose to a Member of the Public from Activities Inside the Site Boundary" was updated. The total dose value for the last row "ISFSI Dry Cask South (at nuisance fence on south side)" was reduced from the initially reported value of 1.01E+02 mrem (101 mrem) to the new value of 2.51E+01 mrem (25.1 mrem).

The reduction in dose leading to a revision of the report was identified and documented in the Wolf Creek Generating Station corrective action program under condition report 10033834.

The enclosure to this letter includes two updated pages. The first is an updated title page reflecting Revision 1 of the 2023 Report No. 47. The second is an updated page 6 which contains the corrected dose value within the table as described above.

This letter contains no commitments. If you have any questions concerning this matter, please contact me at (620) 364-4204.

Sincerely,

A handwritten signature in black ink, appearing to read "Dustin T. Hamman", written in a cursive style.

Dustin T. Hamman

DTH/jkt

000519  
Page 2 of 2

Enclosure: Updated Title Page and Corrected Page 6 of Letter 000457 (NRC ADAMS ML24118A003), "Wolf Creek Generating Station 2023 Annual Radioactive Effluent Release Report – Report 47"

cc: S. S. Lee (NRC), w/e  
J. D. Monninger (NRC), w/e  
G. E. Werner (NRC), w/e  
Senior Resident Inspector (NRC), w/e  
WC Licensing Correspondence, RA 24-000519, w/e

Enclosure to 000519

Enclosure:

Updated Title Page and Corrected Page 6 of Letter 000457 (NRC ADAMS ML24118A003), "Wolf Creek Generating Station 2023 Annual Radioactive Effluent Release Report – Report 47"

(3 pages including this page)



# **WOLF CREEK NUCLEAR OPERATING CORPORATION**

## **2023 ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT**

---

*Wolf Creek Generating Station*

---

Docket Numbers 50-482 and 72-79

Renewed Facility Operating License NPF-42

Report Number 47, Rev 1

Records Decommissioning File – RRS ID 05C.100

### C. Dose to a Member of the Public from Activities Inside the Site Boundary

|   | Total Dose    |
|---|---------------|
| Personnel making deliveries to the plant  | 2.22E-01 mrem |
| Public use of the cooling lake during times when fishing was allowed                    | 2.86E-02 mrem |
| Workers at the William Allen White Building located outside the protected area boundary | 4.80E-03 mrem |
| Pipe Fab Shop (nearest occupied building) *   | 6.62E+00 mrem |
| ISFSI Dry Cask East (at ISFSI RCA fence on east side) *                                 | 1.44E+01 mrem |
| ISFSI Dry Cask South (at ISFSI RCA fence on south side) *                               | 8.45E+01 mrem |
| ISFSI Dry Cask South (at nuisance fence on south side) **                               | 2.51E+01 mrem |

The plant delivery calculations were based on deliveries being made 3 hours per week for 50 weeks per year. The dose to anglers on the lake was based upon 3,600 hours (12 hours a day for 300 days, based on the number of days that the lake was open to anglers). The William Allen White Building occupancy was based on normal working hours of 2,000 per year. The Submersion, Inhalation and Ground Plane pathway doses were added to derive the total dose. All calculations were performed in accordance with the methodology and parameters in the ODCM.

\*The Radiation Protection (RP) department monitors various locations and buildings in the vicinity of the ISFSI area to verify exposure is within regulatory limits in addition to the monitoring done by REMF. The calculated doses here are based on a conservative 2,000 working hours per year and do not subtract off background readings.

\*\*This fence is designed to delay any potential entry into the Dry Cask Area. It is identified as the nuisance fence on the south side of the storage area.

### VII. METEOROLOGICAL DATA

Appendix B documents WCGS meteorological data for wind speed, wind direction and atmospheric stability.