

April 4, 2023  
23-019

ATTN: Document Control Desk  
Director, Office of Nuclear Material Safety & Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Reference: License No. SNM-42, Docket 70-27

Subject: 60-Day Written Report for Event Notification Number EN-56336

Dear Sir or Madam,

Enclosed please find the BWXT Nuclear Operations Group, Inc. - Lynchburg (BWXT NOG-L) 60-Day Written Report for Event Notification (EN) 56336. The EN was reported under 10 CFR Part 70 Appendix A (b)(2).

On the evening of January 19, 2023, a spill occurred from overflowing the Annular Waste Organic Tank in BWXT NOG-L's Uranium Recovery Facility. On January 20, 2023, during the next periodic inspection of the ventilation duct drain, personnel noted the presence of organic solution, indicating some of the overflowed waste solution had been drawn into the ventilation ductwork.

The initial event assessment determined that the solution had flowed out of the waste tank's overflow line and vent onto the floor, with some solution being drawn into the ventilation system and later identified in the duct drain. The overflow line is one of three IROFS credited in the accident sequence for waste organic solution entering the ventilation ductwork. On February 3, 2023, it was discovered that the overflow line from the Annular Waste Organic Tank contained an intact rupture disc. Liquid could not flow freely through the overflow line due to the obstruction created by the rupture disc. Therefore, the IROFS function of the overflow could not be credited in the accident sequence as documented in the Integrated Safety Analysis. Subsequent to this discovery, BWXT NOG-L Safety and Licensing management determined the event to be reportable in accordance with Appendix A(b)(2) of 10 CFR Part 70. The event was reported on February 3, 2023 within twenty-four hours of determination as EN-56336. The enclosed report provides an event description, background information, assessment of safety significance, identified causes, and an extent of condition review summary.

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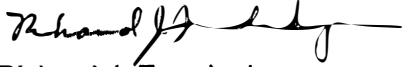
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If you have questions or require additional information, please contact Daniel Ashworth, Manager of Licensing and Safety Analysis, at [dhashworth@bwxt.com](mailto:dashworth@bwxt.com) or 434-522-5472.

Sincerely,



Richard J. Freudenberger  
Manager, Environment, Safety, Health and Safeguards  
BWXT Nuclear Operations Group, Inc., Lynchburg

Enclosure

cc: NRC, Region II  
NRC, Resident Inspector  
NRC, James Downs, NMSS/DFM

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