

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852-2738

**Subject:** BANR UN TRISO Fuel Qualification Plan – White Paper

**Reference:** BANR-TECR-116543, Rev. 0, BANR UN TRISO Fuel Qualification Plan

This letter provides, with Enclosures 2 and 3, the white paper: BANR-TECR-116543, Rev. 0, BANR UN TRISO Fuel Qualification Plan, December 2023.

The white paper provides the methodology proposed for fuel qualification regarding the BWXT Advanced Nuclear Reactor (BANR) risk reduction project under the Department of Energy's Advanced Reactor Demonstration Program (ARDP). The white paper contains proprietary information and BWXT AT requests it be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390. An affidavit certifying the basis for the request to withhold proprietary information is included in Enclosure 1. The proprietary information has been redacted from the white paper in Enclosure 2. The full proprietary white paper is included in Enclosure 3.

This letter and its enclosures make no regulatory commitments nor do they make any revisions to existing regulatory commitments.

If you have any questions or need further information, please contact Steve W. Schilthelm at (434) 316-7517 or [swschilthelm@bwxt.com](mailto:swschilthelm@bwxt.com).

Sincerely,

**Steve Schilthelm**  Digitally signed by Steve Schilthelm  
Date: 2023.12.20 10:45:36 -05'00'

S.W. Schilthelm  
Director, Regulatory & Mission Assurance, BWXT Advanced Technologies LLC

Enclosures:

1. BWXT AT Affidavit and Request for Withholding from Public Disclosure
2. White Paper – Non-Proprietary (Public)
3. White Paper – Proprietary (Non-Public)

CC:  
Michael Orenak, NRC  
Greg Oberson, NRC

BWXT AT AFFIDAVIT AND REQUEST FOR WITHHOLDING FROM PUBLIC DISCLOSURE  
SUBMITTED AS A SEPARATE FILE

NON-PROPRIETARY WHITE PAPER SUBMITTED ELECTRONICALLY AS A SEPARATE FILE

PROPRIETARY WHITE PAPER SUBMITTED ELECTRONICALLY AS A SEPARATE FILE