



**Program Management Office**  
1000 Westinghouse Drive, Suite 380  
Cranberry Township, PA 16066

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PWROG-19047-P-A/NP-A, Revision 0  
Docket Number 99902037

September 21, 2021

OG-21-177

U.S. Nuclear Regulatory Commission  
Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852

Subject: PWR Owners Group  
**Transmittal of the NRC Approved Version of Topical Report, PWROG-19047-P-A/NP-A, Revision 0, “North Anna Units 1 and 2 Reactor Vessels Low Upper-Shelf Fracture Toughness Equivalent Margin Analysis,” PA-MS-1481**

References:

1. Letter OG-20-167, Submittal of PWROG-19047-P/NP, Revision 0, “North Anna Units 1 and 2 Reactor Vessels Low Upper-Shelf Fracture Toughness Equivalent Margin Analysis” (PA-MS-1481), dated May 27, 2020 (ML20149K668)
2. Email from the NRC (Fields) to the PWROG (Holderbaum), PWROG-19047-P/NP, Revision 0 - REQUEST FOR ADDITIONAL INFORMATION, dated September 28, 2020
3. Letter OG-20-284, Transmittal of the Response to Request for Additional Information, RAIs 1-7 Associated with PWROG-19047-P/NP, Revision 0, “North Anna Units 1 and 2 Reactor Vessels Low Upper-Shelf Fracture Toughness Equivalent Margin Analysis” (PA-MS-1481), PA-MS-1481, dated December 3, 2020
4. NRC Letter Final Safety Evaluation for PWROG-19047-P/NP, Revision 0, “North Anna Units 1 and 2 Reactor Vessels Low Upper-Shelf Fracture Toughness Equivalent Margin Analysis” (PA-MS-1481), dated July 20, 2021 (ML21195A000)

The purpose of this letter is to transmit the NRC Approved version of the subject Topical Report (TR) in accordance with the Nuclear Regulatory Commission (NRC) TR program for review and acceptance for referencing in regulatory actions (Enclosures 1 and 2). This NRC Approved version of the TR is contained in Enclosures 1 and 2 and incorporates the correspondence associated with this TR, and the Final Safety Evaluation as requested in Reference 4.

As Enclosures 1 contains information proprietary to Westinghouse Electric Company LLC (“Westinghouse”) and Framatome Inc., the information contained herein is supported by two Affidavits: one each signed by Westinghouse and Framatome Inc., the owners of the information. The Affidavits set forth the basis on which the information may be withheld from public disclosure by the Nuclear Regulatory Commission (“Commission”) and addresses with specificity the considerations listed in paragraph (b)(4) of 10CFR Section 2.390 of the Commission’s regulations.

Accordingly, it is respectfully requested that the information which is proprietary to Westinghouse and/or Framatome Inc. be withheld from public disclosure in accordance with 10 CFR Section 2.390 of the Commission’s regulations. Each affidavit (Enclosures 3 and 4) should be consulted to identify the appropriate justifications for withholding of the respective information.

Correspondence with respect to the copyright or proprietary aspects of the items listed above or the supporting Westinghouse Affidavit should reference CAW-21-5219 and should be addressed to Camille T. Zozula, Manager, Infrastructure & Facilities Licensing, Westinghouse Electric Company, 1000 Westinghouse Drive, Suite 165, Cranberry Township, Pennsylvania 16066.

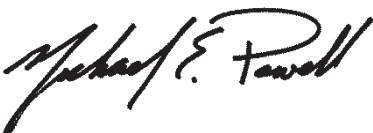
Correspondence with respect to the copyright or proprietary aspects of the item listed above or the supporting Framatome Inc. Affidavit should be addressed to Philip Opsal, OF-34, Framatome Inc., 3315 Old Forest Road, Lynchburg, VA 24501.

Correspondence associated with this transmittal should be addressed to:

Mr. W. Anthony Nowinowski, Program Manager  
PWR Owners Group, Program Management Office  
Westinghouse Electric Company  
1000 Westinghouse Drive, Suite 172  
Cranberry Township, PA 16066

If you have any questions, please do not hesitate to contact me at (602) 999-2080 or Mr. W. Anthony Nowinowski, Program Manager of the PWR Owners Group, Program Management Office at (412) 374-6855.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Michael E. Powell". The signature is written in a cursive, flowing style.

Michael Powell, Chief Operating Officer and Chairman  
PWR Owners Group

MP:JPM

cc: PWROG PMO  
C. Tomes, Dominion  
D. Knee, Dominion  
P. Aitken, Dominion  
T. Hanna, Dominion  
M. Post, Dominion  
L. Fields, US NRC  
J. Andrachek, Westinghouse  
T. Zalewski, Westinghouse  
G. Hall, Westinghouse  
S. Rigby, Westinghouse  
R. Stewart, Framatome  
A. Nana, Framatome

Enclosures (4):

1. PWROG-19047-P-A, Revision 0, "North Anna Units 1 and 2 Reactor Vessels Low Upper-Shelf Fracture Toughness Equivalent Margin Analysis" (Proprietary)
2. PWROG-19047-NP-A, Revision 0, "North Anna Units 1 and 2 Reactor Vessels Low Upper-Shelf Fracture Toughness Equivalent Margin Analysis" (Non-Proprietary)
3. Affidavit for Withholding Westinghouse Proprietary Information, CAW-21-5219 (Non-Proprietary)
4. Framatome Affidavit for Withholding Proprietary Information (Non-Proprietary)