



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

January 20, 2023

Ms. Gayle Elliott, Director
Licensing and Regulatory Affairs
Framatome, Inc.
3315 Old Forest Road
Lynchburg, VA 24501

SUBJECT: REPORT REGARDING DECEMBER 5 THROUGH DECEMBER 8, 2022,
REGULATORY AUDIT FOR FRAMATOME INC. TOPICAL REPORT,
ANP-10350P, REVISION 0, FRAMATOME METHODOLOGY FOR BOILING
WATER REACTORS: EVALUATION AND VALIDATION OF APOLLO2-
A/ARTEMIS-B (EPID L-2022-TOP-0038)

Dear Ms. Elliott:

By letter dated June 30, 2022 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML22186A025), Framatome Inc. (Framatome) submitted to the U.S. Nuclear Regulatory Commission (NRC), Topical Report (TR) ANP-10350P, Revision 0, "Framatome Methodology for Boiling Water Reactors: Evaluation and Validation of APOLLO2-A/ARTEMIS-B" (ADAMS Package No. ML22186A071), for review and approval for licensing applications. Framatome states in part that ANP-10350P, Revision 0, presents the generic application of the APOLLO2-A/ARTEMIS-B code system to boiling water reactor (BWR) steady state modeling.

On December 5 through December 8, 2022, the NRC staff conducted an in-person regulatory audit at Framatome's Richland, Washington facility to discuss supporting documentation and to ask questions about the review of TR ANP-10350P, Revision 0. The results of the audit provided additional information to support the NRC staff safety evaluation. The proprietary audit report is enclosed.

NOTICE: The enclosure to this transmittal letter has proprietary information, once this letter is separated from the enclosure it is decontrolled.

G. Peters

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Please contact Ngola Otto at 301-415-6695 or via e-mail at Ngola.Otto@nrc.gov with any questions you may have regarding this letter.

Sincerely,

/RA/

Cindy Rosales-Cooper, Acting Chief
Licensing Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 99902041

Project No. 728

Enclosure:
Audit Report (Proprietary)

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WATER REACTORS: EVALUATION AND VALIDATION OF APOLLO2-A/
ARTEMIS-B (EPID L-2022-TOP-0038) DATED JANUARY 20, 2023

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ADAMS Accession Nos.:

ML23010A001 (Package)

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