



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

October 16, 2023

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

SUBJECT: FINAL SAFETY EVALUATION FOR FRAMATOME TOPICAL REPORT ANP-10340P, REVISION 0, SUPPLEMENT 1, REVISION 0, "INCORPORATION OF CHROMIA-DOPED FUEL PROPERTIES IN FRAMATOME PWR METHODS" (EPID L-2021-TOP-0015)

Dear Ms. Elliott:

By letter dated June 28, 2021 (Agencywide Documents Access and Management System Package Accession No. ML21187A198), as supplemented by letter dated April 11, 2022 (ADAMS Accession No. ML22105A047), Framatome, Inc. (Framatome) submitted Topical Report (TR) ANP-10340P-A, Revision 0, Supplement 1, Revision 0, "Incorporation of Chromia-Doped Fuel Properties in Framatome PWR [Pressurized Water Reactor] Methods," for U.S. Nuclear Regulatory Commission (NRC) staff review. By e-mail dated July 29, 2021 (ADAMS Accession No. ML21210A270), the NRC staff accepted the TR for review.

By letter dated April 21, 2023 (ADAMS Package Accession No. ML22130A115), an NRC draft safety evaluation (SE) regarding approval of ANP-10340P-A, Revision 0, Supplement 1, Revision 0 was provided to Framatome for proprietary review. By letter dated May 23, 2023 (ADAMS Package Accession No. ML23143A394), Framatome provided comments on the draft SE. The NRC staff's disposition of the Framatome comments on the draft SE are discussed in the attachment of the final SE which is enclosed with this letter.

The NRC staff has found that ANP-10340P-A, Revision 0, Supplement 1, Revision 0 is acceptable for referencing in licensing applications for nuclear power plants to the extent specified and under the limitations delineated in the TR and in the enclosed final SE. The final SE defines the basis for NRC acceptance of the TR.

The NRC acceptance applies only to material provided in the subject TR. The NRC does not intend to repeat its review of the acceptable material described in the TR. When the TR appears as a reference in licensing applications, the NRC review will ensure that the material presented

NOTICE: Enclosure 1 to this letter contains Proprietary Information. When this letter is separated from Enclosure 1, this letter is decontrolled.

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applies to the specific plant involved. License amendment requests that deviate from this TR will be subject to a plant specific review in accordance with applicable NRC review standards.

In accordance with the guidance provided on the NRC website, we request that Framatome publish approved proprietary and non-proprietary versions of TR ANP-10340P-A, Revision 0, Supplement 1, Revision 0 within three months of receipt of this letter. The approved versions shall incorporate this letter and the enclosed final SE after the title page. For non-proprietary versions, Framatome shall strike the proprietary information markings in this letter and make the appropriate redactions and adjustments to document security classifications to the enclosed SE. Also, they must contain historical review information, including the NRC request for additional information (RAI) questions and Framatome's responses. The approved versions shall include a "-A" (designating approved) following the TR identification symbol.

As an alternative to including the RAI questions and RAI responses behind the title page, if changes to the TR were provided to the NRC staff to support the resolution of RAI responses, and the NRC staff reviewed and approved those changes as described in the RAI responses, there are two ways that the accepted version can capture the RAI questions:

1. The RAI questions and RAI responses can be included as an Appendix to the accepted version.
2. The RAI questions and RAI responses can be captured in the form of a table (inserted after the final SE) which summarizes the changes as shown in the approved version of the TR. The table should reference the specific RAI questions and RAI responses which resulted in any changes as shown in the accepted version of the TR.

If future changes to the NRC's regulatory requirements affect the acceptability of this TR, Framatome will be expected to revise the TR appropriately or justify its continued applicability for subsequent referencing. Licensees referencing this TR would be expected to justify its continued applicability or evaluate their plant using the revised TR.

Sincerely,

/RA/

Gerond A. George, Chief
Licensing Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 99902041
Project No. 728

Enclosures:

1. Final SE (Proprietary)
2. Final SE (Nonproprietary)

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DISTRIBUTION:

PUBLIC (Letter)
NON-PUBLIC (Final SE)
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ADAMS Accession Nos.:

ML23180A165 (Package)

ML23180A143 (Letter)

ML23180A144 (Enclosure 1, Final SE)

ML23275A043 (Enclosure 2, Nonproprietary SE)

***concurrence via e-mail**

OFFICE	NRR/DORL/LLPB/PM*	NRR/DORL/LLPB/LA*	NRR/DSS/SFNB/BC*
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DATE	06/28/2023	07/06/2023	07/06/2023
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NAME	DRoth	GGeorge	NOtto
DATE	07/13/2023	07/28/2023	10/16/2023

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