



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

March 14, 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-10311P, REVISION 1, SUPPLEMENT 1P, REVISION 0, "COBRA-FLX:
ORFEO-HMP CRITICAL HEAT FLUX CORRELATION"
(EPID L-2021-TOP-0040)

Dear Ms. Elliott:

By letter dated December 16, 2021 (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML21356A056), as supplemented by letter dated September 21, 2022 (ADAMS Accession No. ML22271A494), Framatome, Inc. (Framatome) submitted Topical Report (TR) ANP-10311P-A, Revision 1, Supplement 1P, Revision 0, "COBRA-FLX: ORFEO-HMP Critical Heat Flux Correlation," for the U.S. Nuclear Regulatory Commission (NRC) staff's review. By e-mail dated February 2, 2022 (ADAMS Accession No. ML22026A003), the NRC staff accepted the TR for review.

By letter dated January 19, 2023 (ADAMS Package Accession No. ML22339A227), an NRC draft safety evaluation (SE) regarding approval of ANP-10311P-A, Revision 1, Supplement 1P, Revision 0, was provided to Framatome for proprietary review. By letter dated February 22, 2023 (ADAMS Package Accession No. ML23060A085), Framatome provided a comment on the draft SE. The NRC staff's disposition of the Framatome comment on the draft SE is discussed in the attachment to the final SE, which is enclosed with this letter.

The NRC staff has found that ANP-10311P-A, Revision 1, Supplement 1P, 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.

NOTICE: The enclosure to this letter contains Proprietary Information. When this letter is separated from the enclosure, this letter is decontrolled.

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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 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-10311P-A, Revision 1, Supplement 1P, 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, the approved versions must contain historical review information, including the NRC request for additional information (RAI) questions and Framatome's responses. The approved versions shall include an "-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.

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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

Enclosure:
Final SE (Proprietary)

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DISTRIBUTION:

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ADAMS Accession Nos.:

ML23058A138 (Package)

ML23058A118 (Letter)

ML23058A129 (Final SE)

***concurrence via e-mail**

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