framatome

November 29, 2021
TJT:21:026

Jacob I. Zimmerman, Chief Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington DC 20555-0001
ATTN: Document Control Desk

Subject: Framatome Inc. Richland Nuclear Fuel Fabrication Facility's Request to Amend License No. SNM-1227; Docket No. 70-1257 and Approval of Criticality Safety Methods

References: (1) NRC License SNM-1227, Docket 70-1257
(2) Closed Public Meeting with Framatome Friday, October 22, 2021.

Dear Mr. Zimmerman:

As we discussed during a meeting on October 22, 2021 (Reference 2), Framatome hereby requests NRC approval of the attached revision to SNM-1227, Chapter 5, Nuclear Criticality Safety and approval of the methodology for determining the minimum margin of sub-criticality as described in attachment 2. Two copies of pg. 5-6 are included to assist the reviewer, a clean copy and one showing deleted text.

Framatome commits to only use SCALE 6.2.2/KENO-VI and ENDF/B-VII.1 Continuous Energy (CE) cross sections to support fuel fabrication process applications involving uranium enrichments greater than 5.0 wt% ^{235}U; if a newer version of SCALE/KENO-VI is adopted in the future, then that version will be validated using the methodology described in reference 2, which will be updated accordingly.

No changes in actual possession limits or any other license conditions are being requested at this time.

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If you have questions or require additional information, please feel free to contact Calvin Manning of my staff at 509 375-8327 or me at 509-375-8550.Sincerely,

Timothy J. Tate, Manager
Environmental, Health, Safety and Licensing

TJT/rd

Attachments: (1) NRC License Application Chapter 5 of SNM-1227, Docket 70-1257
(2) E04-04-009, "SCALE 6.2.2 [redacted] wt% Enrichment Validation Report"

cc: Richard Jervey
Project Manager

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