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August 26, 2024  
FS-24-0074

ATTN: Document Control Desk  
Director, Division of Fuel Management (DFM)  
Storage and Transportation Licensing Branch (STLB)  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**SUBJECT:** Submittal of BEA Research Reactor Package CoC Amendment and CoC Renewal Request, Docket No. 71-9341, EPID L-2023-LLA-0090

**REFERENCES:** 1) NRC Certificate of Compliance for the Model No. BEA Research Reactor (BRR) Package, USA/9341/B(U)F-96, Revision 10, NRC Accession Number ML22266A276, September 2022.  
2) Quality Assurance Program Approval for Orano Federal Services LLC, NRC Accession Number ML24170B005, June 2024.

Dear Mr. Saverot:

Orano Federal Services LLC (Orano FS) hereby submits for approval a request to amend and renew the BEA Research Reactor (BRR) Package CoC [1]. The associated Safety Analysis Report (SAR), Revision 19, Docket No. 71-9341 (Enclosure 1) is being amended to add to the list of approved contents two general groups of payloads:

1. Research reactor type ATR, MITR-II, and MURR Low Enriched Uranium versions of currently authorized HEU versions of the same fuels and;
2. To add encapsulated and segmented PWR fuel rod segments within a new basket known as the Rods-In-Tubes Canister (RITC) basket

The revised SAR includes structural, thermal, shielding, and criticality evaluations for the new payloads. All changes are marked with a revision bar in the right margin. There is one new SAR drawing, drawing 1910-01-05-SAR, which adds the RITC Basket and other necessary hardware components. To assist in evaluating the revised SAR, a change summary list is included as Enclosure 2. The BRR package complies with all applicable requirements of 10 CFR 71. The Orano FS quality assurance program, approved by the NRC satisfies the provisions of Part 71, Subpart H Quality Assurance [2].

Also, to ensure timely renewal of the BRR package CoC, this submission also requests renewal of the existing Revision 10 CoC [1] prior to the February 28, 2025, expiration date. If the CoC has not been amended by this date, then we would request a renewal of the current Revision 10 CoC.



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Should you have any questions regarding this submittal, please contact me at (233) 552-1322 or via email ([chris.backus@orano.group](mailto:chris.backus@orano.group)).

Yours Truly,

8/26/2024

Chris Backus  
Licensing Manager  
Orano Federal Services LLC

**Copies (per email):**

Pierre Saverot, Project Manager, NRC

Rich Smith, Project Manager, Orano Federal Services LLC

Eric C Woolstenhulme, Program Manager, Idaho National Laboratory

Edward Mai, Manager, Idaho National Laboratory

**Enclosures:**

Enclosure 1: BEA Research Reactor Package Safety Analysis Report, Revision 19

Enclosure 2: BEA Research Reactor Package Table of Changes for BRR SAR, Revision 19