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TX0-REG-LTR-0041

~~THE ENCLOSURES TO THIS LETTER CONTAIN SECURITY RELATED INFORMATION
WITHHOLD IN ACCORDANCE WITH 10 CFR 2.390~~

ELECTRONIC DELIVERY

September 5, 2024

Director, Office of Nuclear Material Safety and Safeguards
U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

- References:
- 1) Docket No. 70-7027
 - 2) TRISO-X letter from Jennifer Wheeler to Director, Office of Nuclear Material Safety and Safeguards, "TRISO-X Fuel Fabrication Facility License Application Submittal," dated April 5, 2022
 - 3) TRISO-X letter from Jennifer Wheeler, Vice President, Regulatory Affairs, to Director, Office of Nuclear Material Safety and Safeguards, "Response to Request for Additional Information (Set 1) for the TRISO-X, LLC License Application for a Fuel Fabrication Facility," dated July 28, 2023, ADAMS Accession No. ML23209A281
 - 4) NRC letter from Matthew Bartlett, Senior Project Manager, Fuel Facility Licensing Branch, to Jennifer K. Wheeler, Vice President, Regulatory Affairs "Request TRISO-X, LLC. to Provide Supplemental Information to Resolve Programmatic Requests for Additional Information Regarding the Management Measures and Quality Assurance Portion of the License Application (Enterprise Project Identification Number L-2022-NEW-0005)," dated April 2, 2024, ADAMS Accession No. ML24085A270
 - 5) Due Date Extension Correspondence dated May 23, 2024 (ML24152A319), June 27, 2024 (ML24179A331), July 24, 2024, and August 30, 2024

Subject: **Supplemental Information for Management Measures and Quality Assurance RAI Responses**

TRISO-X, LLC (TRISO-X) hereby submits information regarding the review of the License Application for the TRISO-X Fuel Fabrication Facility (Reference 2). The enclosed information responds to the supplemental information request dated April 2, 2024 (Reference 4) and replaces part of the response dated July 28, 2023 (Reference 3). The due date for the supplemental information request was changed to September 6, 2024, by emails dated May 23, June 27, July 24, and August 30, 2024 (Reference 5).

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Request for Withholding

Portions of the enclosed submittal contain information that TRISO-X requests be withheld from public disclosure. The following regulations and guidance were consulted to develop the document markings and specific withholding requests as noted in the description of each enclosure's contents.

- 10 CFR 2.390, *Public inspections, exemptions, requests for withholding*
- NRC Regulatory Issue Summary 2005-31, Revision 1, *Control of Security-Related Sensitive Unclassified Non-Safeguards Information Handled by Individuals, Firms, and Entities Subject to NRC Regulation of the Use of Source, Byproduct, and Special Nuclear Material*

Summary of this Submittal

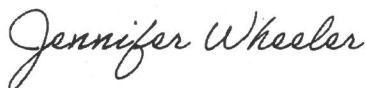
The following Enclosures are included with this letter.

Enclosure 1 – Supplemental Information for Management Measures and Quality Assurance RAI Responses

Enclosure 2 – ISA Summary Section 4.5, Quality Standards for IROFS [Security-Related Information]

If there are questions or if additional information is required, please contact me at (865) 850-0893 or jwheeler@triso-x.com.

Sincerely,



Jennifer K. Wheeler, P.E.
Vice President, Regulatory Affairs

TRISO-X, LLC
801 Thompson Avenue
Rockville, MD 20852

Copy: Mr. Matthew Bartlett, US NRC, NMSS
TRISO-X Regulatory Records File

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