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TX0-LTR-0025

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

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*ELECTRONIC DELIVERY*

October 12, 2023

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) NRC letter from Matthew Bartlett, Senior Project Manager, Fuel Facility Licensing Branch, to Jennifer K. Wheeler, "Request For Additional Information Set 3 for the Integrated Safety Analysis (Programmatic) and Security Regarding the TRISO-X, LLC License Application for a New Fuel Fabrication Facility (Enterprise Project Identification Number L-2022-NEW-0005)," dated August 28, 2023
  - 4) TRISO-X letter from Jennifer Wheeler to Director, Office of Nuclear Material Safety and Safeguards, "Submittal of Revision 3 of the TRISO-X Fuel Fabrication Facility Physical Security Plan" dated October 13, 2023

Subject: **Response to Request for Additional Information Set 3 (ISA and Security) for the TRISO-X License Application**

TRISO-X, LLC (TRISO-X) hereby submits responses to the subject Request for Additional Information (RAI), regarding the review of the License Application for the TRISO-X Fuel Fabrication Facility (Reference 2). The enclosed responses are for the RAI Set 3 transmitted by letter dated August 28, 2023 (Reference 3). Revision 3 of the Physical Security Plan will be transmitted separately via overnight mail delivery (Reference 4).

**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

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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 – Integrated Safety Analysis RAI Responses (Security-Related Information)**

**Enclosure 2 – Security RAI Responses (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](mailto: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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