



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

August 1, 2025

Jennifer K. Wheeler, Director,
Regulatory Affairs
TRISO-X, LLC
801 Thompson Avenue
Rockville, MD 20852

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION AS SET EIGHTEEN FOR THE STRUCTURAL INFORMATION REGARDING THE TRISO-X, LLC LICENSE APPLICATION FOR A FUEL FABRICATION FACILITY (ENTERPRISE PROJECT IDENTIFICATION NUMBER L-2022-NEW-0005)

Dear Jennifer Wheeler:

The U.S. Nuclear Regulatory Commission (NRC) staff has developed requests for additional information (RAIs) as set 18 to support the review of the TRISO-X, LLC safety and safeguards license application. Your application for a new fuel fabrication facility located in Oak Ridge, TN was submitted via letter dated April 5, 2022 (Agencywide Documents Access and Management System (ADAMS) Accession Number ML22101A200) and supplemented by letters dated October 13, 2022 (ML22286A144) and November 4, 2022 (ML22308A251) and revised license application submitted by letters dated December 30, 2024 (ML24365A254) and January 31, 2025 (ML25031A449).

Our review of your license application has identified the need for RAIs to support the review. The additional information requested in the non-public enclosure to this letter should be provided by August 29, 2025.

Please let us know if you have an interest in holding a call to discuss the draft responses prior to formal submittal, consistent with the NRC staff RAI process described in LIC-FM-3, section 2.10.1(b) (ML22208A272). Extending the formal responses beyond the 30 days, the need for supplements, or a second round of RAIs may result in an extension of the proposed review schedule beyond May 2026 (ML23305A193).

A document transmitted herewith contains Security-Related Information. When separated the Enclosure, this document is decontrolled.

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J. Wheeler

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In accordance with Title 10 of the *Code of Federal Regulations*, Section 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room (PDR) or from the Publicly Available Records component of the NRC's ADAMS. The PDR is open by appointment only. You may submit your request to the PDR via email at PDR.Resource@nrc.gov or call 1-800-397-4209 between 8:00 a.m. and 4:00 p.m. (EST), Monday through Friday, except Federal holidays. The NRC's ADAMS is accessible from the NRC website site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If you have any questions regarding this communication, please contact me at 301-415-7154, or via email to Matthew.Bartlett@nrc.gov.

Sincerely,



Signed by Bartlett, Matthew
on 08/01/25

Matthew Bartlett, Senior Project Manager
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No. 07007027
License No. N/A

Enclosure:
RAI (non-public)

cc: triso@listmgr.nrc.gov

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J. Wheeler

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION AS SET EIGHTEEN FOR THE STRUCTURAL INFORMATION REGARDING THE TRISO-X, LLC LICENSE APPLICATION FOR A FUEL FABRICATION FACILITY (ENTERPRISE PROJECT IDENTIFICATION NUMBER L-2022-NEW-0005) DATED: August 1, 2025

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