



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

May 8, 2024

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

SUBJECT: STATUS UPDATE OF THE SAFETY AND SAFEGAUARDS REQUESTS FOR  
ADDITIONAL INFORMATION FOR THE TRISO-X LICENSE APPLICATION  
ISSUED AS OF APRIL 2024 (ENTERPRISE PROJECT IDENTIFICATION  
NUMBER L-2022-NEW-0005)

Dear Jennifer Wheeler:

The U.S. Nuclear Regulatory Commission (NRC) staff has developed a list of the NRC safety and safeguards requests for additional information (RAIs) and responses as of April 2024 to support the review of the TRISO-X 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), November 4, 2022 (ML22308A251) and February 29, 2024 (ML24060A239).

The enclosures provide a public (redacted) and non-public summary of the status of the RAI responses by technical discipline. The ADAMS accession numbers for the RAI correspondence are provided. In addition, for each RAI that has an unresolved item, a brief summary of the issue is included. The NRC staff will work with you to identify the most efficient approach to resolve the open items (e.g., clarification calls, meetings, supplements, etc.) in advance of your planned submittal of the December 2024 update to the TRISO-X license application.

In accordance with Title 10 of the Code of Federal Regulations, Part 2 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter and enclosure 1 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 NRC's ADAMS is accessible from the NRC website at <http://www.nrc.gov/reading-rm/adams.html>. The PDR is open by appointment. You may submit your request to the PDR via email at [PDR.Resource@nrc.gov](mailto:PDR.Resource@nrc.gov) or call 1-800-397-4209 or 301-415-4737, between 8:00 a.m. and 4:00 p.m. (ET), Monday through Friday, except Federal holidays.

Enclosure 2 transmitted herewith contains security related information. When separated from enclosure 2, this letter and enclosure 1 can be made public.

J. Wheeler

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

Sincerely,



Signed by Bartlett, Matthew  
on 05/08/24

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

Enclosures:

1. Status of RAls (public – redacted)
2. Status of RAls (non-public)

cc: [triso@listmgr.nrc.gov](mailto:triso@listmgr.nrc.gov)

J. Wheeler

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SUBJECT: OUTSTANDING REQUEST FOR ADDITIONAL INFORMATION FOR THE  
TRISO-X, LLC LICENSE APPLICATION FOR A FUEL FABRICATION FACILITY  
DATE: May 8, 2024

**DISTRIBUTION:**

SHelton, NMSS/DFM

**ADAMS Accession Nos.: ML24089A200 (pkg), ML24089A201 (ltr), ML24089A202 (encl)**

OFFICE	NMSS	NMSS	NMSS
NAME	SPoy	JRudd	MBartlett
DATE	4/3/2024	4/24/2024	4/24/2024
OFFICE	NMSS	NMSS	
NAME	JGoodridge	SLav	
DATE	5/2/2024	5/8/2024	

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