



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

May 31, 2023

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (SET 1) FOR 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 the first set of requests for additional information (RAIs) 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).

Our review of your license application has identified the need for several high-level RAIs on the human factors, management measures, and structural portions of the review. This first set of RAIs seeks early resolution of programmatic issues (e.g., program description, clarification, basis) for the noted technical disciplines. Additional sets of RAIs to resolve further technical issues will be issued separately, as needed. The additional information requested in the public enclosure to this letter should be provided within 60 days from the date of this letter.

We continue to anticipate completing our review by June 2025, as previously stated in our acceptance review dated November 18, 2023 (ADAMS ML22320A110). This date could change depending on resolution of the RAIs, findings of our technical review, or other factors. We will promptly communicate any significant changes to this schedule.

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 e-mail at [PDR.Resource@nrc.gov](mailto: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).

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 05/31/23

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:  
Request for Additional Information (public)

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

REQUEST FOR ADDITIONAL INFORMATION (SET 1) FOR THE TRISO-X, LLC LICENSE APPLICATION FOR A FUEL FABRICATION FACILITY DATE May 31, 2023

DISTRIBUTION: Docket 07007027

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EGoldfeiz, NMSS/DFM/NARAB

KKline, NMSS/REFS/FAB

JSmith, NMSS/DFM/MSB

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**ADAMS Accession No.: ML23127A011; Ltr ML23127A012**

OFFICE	NMSS/MSST/SLPB	NSIR/DSO/SOSB	NMSS/DFM/FFLB	NRR
NAME	SPoy <i>SP</i>	JCurry <i>JC</i>	MBartlett <i>MB</i>	SLav <i>SL</i>
DATE	May 8, 2023	May 8, 2023	May 11, 2023	May 30, 2023
OFFICE	NMSS/DFM/FFLB			
NAME	MBartlett <i>MB</i>			
DATE	May 31, 2023			

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