



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

November 20, 2023

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION PART 2 - 1 FOR THE APPLICATION FROM TRISO-X, LLC FOR SPECIAL NUCLEAR MATERIAL LICENSE FOR USE AT A FUEL FABRICATION FACILITY IN OAK RIDGE, TENNESSEE (DOCKET NUMBER: 70-7027)

Dear Jennifer Wheeler

By letter dated November 18, 2022, the U.S. Nuclear Regulatory Commission (NRC) staff accepted for detailed review an application for a special nuclear material license for use at a TRISO-X, LLC (TRISO-X) fuel fabrication facility in Oak Ridge, Tennessee. TRISO-X submitted the application in several parts including the safety analysis report dated April 5, 2022 (Agencywide Documents Access and Management System (ADAMS) ML22101A200), supplemented by letters dated October 13, 2022 (ML22286A144), and November 4, 2022 (ML22308A251), and an environmental report dated September 23, 2022 (ML22266A269).

The NRC staff is conducting a detailed technical review of your application including the environmental report and has determined that additional information is necessary in connection with its review and development of an environmental impact statement. The staff sent TRISO-X Part 1 of a request for additional information (RAI) by letter dated March 17, 2023 (ML23072A456). You responded to that request by letter dated April 17, 2023 (ML23104A419). The continuation of the staff's review of the application has identified additional RAIs. The enclosure to this letter is Part 2 -1 for the RAI.

We request that you provide responses within 30 days from the date of this letter. If you are unable to meet these deadlines, please notify the NRC staff in writing, within two weeks of receipt of this letter, of your new submittal date and the reasons for the delay. Please reference Docket Number: 70-7027 in future correspondence related to the technical review for this licensing action. If you have any questions, please contact me at (301) 415-7674 or via email at Jill.Caverly@nrc.gov.

Sincerely,



Signed by Caverly, Jill
on 11/20/23

Jill Caverly, Acting Chief
Environmental Project Management 2 Branch
Division of Rulemaking, Environment,
and Financial Support
Office of Nuclear Material Safety
and Safeguards

Docket No.:70-7027

Enclosure:
Requests for Additional
Information - Part 2 - 1

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Date: November 20, 2023

ADAMS Accession No: ML23083B373

OFFICE	REFS: PM	REFS:LA	REFS: BC	
NAME	JCaverly	AWalker-Smith	MRome	
DATE	11/20/2023	10/02/2023	10/03/2023	

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