



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

November 18, 2022

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

SUBJECT: ACCEPTANCE OF THE TRISO-X, LLC LICENSE APPLICATION FOR A FUEL FABRICATION FACILITY (ENTERPRISE PROJECT IDENTIFICATION NUMBER L-2022-NEW-0005 AND L-2022-LNE-0002)

Dear Jennifer Wheeler:

The U.S. Nuclear Regulatory Commission (NRC) staff have received your safety analysis report dated April 5, 2022 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML22101A200) and supplemented by letters dated October 13, 2022 (ML22286A144), and November 4, 2022 (ML22308A251). The NRC staff has also received your environmental report dated September 23, 2022 (ML22266A269). These submittals provide your application for a construction and operating license for a fuel fabrication facility located in Oak Ridge, Tennessee.

We have completed our acceptance review of your submittals and determined that the application provides sufficient information to proceed with a detailed technical review. We have established a 30-months review schedule to be completed by June 2025. The schedule includes time for the NRC staff to issue requests for additional information (RAI) in a phased approach from May 2023 through September 2023. The schedule also presumes that TRISO-X will provide sufficient responses to resolve the RAIs within 30-60 days from issuance and that a second round of RAIs will not be needed.

Your letter dated November 16, 2022 (ML22320A563), states TRISO-X will provide additional information on Electrical and Digital Instrumentation and Control (Electrical/I&C) between mid-2023 and mid-2024. Please note, the staff's 30-month review schedule is based on receiving the Electrical/I&C information by August 2023. Submittal of the Electrical/I&C information beyond August 2023 may extend the NRC staff review time beyond June 2025.

The NRC staff estimates that completing the review of your submittal will require approximately 8500 staff hours for the license application review, including safety and security, and 4500 staff hours and \$1.1 Million contract costs for the environmental review which corresponds to about \$4,870,000.00 (\$290.00/hr). We will promptly communicate significant schedule and cost changes, if any.

In accordance with 10 CFR 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 or from the Publicly Available Records component of the NRC's (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. If you have any questions regarding this communication, please contact me at 301-415-7154 or via e-mail at matthew.bartlett@nrc.gov.

Sincerely,



Signed by Bartlett, Matthew
on 11/18/22

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

cc: xenergy@listmgr.nrc.gov

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NRC Acceptance of the TRISO-X, LLC Application for a Fuel Fabrication Facility DATE November 18, 2022

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*** via email**

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DATE	Nov 18, 2022	Nov 18, 2022	Nov 18, 2022	Nov 18, 2022
OFFICE	NMSS/DFM/FFLB	NMSS/DFM/FFLB		
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DATE	Nov 18, 2022	Nov 18, 2022		

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