



TRISO-X, LLC
151 Lafayette Drive, Suite 300
Oak Ridge, TN 37830

TX0-REG-LTR-0072

ELECTRONIC DELIVERY

May 23, 2025

Director, Office of Nuclear Material Safety and Safeguards
U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

- References:
- 1) Docket No. 70-7027
 - 2) TRISO-X letter from Jennifer Wheeler to Director, Office of Nuclear Material Safety and Safeguards, "TRISO-X Fuel Fabrication Facility Environmental Report Submittal," dated September 23, 2022
 - 3) TRISO-X letter from Jennifer Wheeler to Director, Office of Nuclear Material Safety and Safeguards, "Supplemental Information for the TRISO-X Fuel Fabrication Facility License Application Review (Part 2)," dated January 31, 2025
 - 4) TRISO-X letter from Jennifer Wheeler to Director, Office of Nuclear Material Safety and Safeguards, "Supplemental Information for the TRISO-X Fuel Fabrication Facility License Application Review (Part 3)," dated March 28, 2025
 - 5) NRC letter from Robert Sun to Jennifer Wheeler, "Request for Additional Information Regarding a Supplemental Environmental Report for an Application from TRISO-X, LLC for a Special Nuclear Material License for a Fuel Fabrication Facility in Oak Ridge, Tennessee (Docket Number: 70-7027)," dated April 24, 2025

Subject: **Response to Request for Additional Information for the TRISO-X Environmental Report Supplement**

TRISO-X, LLC (TRISO-X) hereby submits responses to the subject Request for Additional Information (RAI), regarding the review of the Environmental Report Supplement for the TRISO-X Fuel Fabrication Facility (References 3 and 4). The enclosed responses are for the RAI set transmitted by letter dated April 24, 2025 (Reference 5).

Requests for Withholding

None. The enclosed submittal contains public information.

Summary of this Submittal

The following Enclosures are included with this letter.

Enclosure 1 – RAI Responses for the TRISO-X Environmental Report Supplement

Enclosure 2 – TRISO-X Traffic Impact Analysis, June 24, 2024

If there are questions or if additional information is required, please contact me at (865) 850-0893 or jwheeler@triso-x.com.

Sincerely,

A handwritten signature in cursive script that reads "Jennifer Wheeler".

Jennifer K. Wheeler, P.E.
Vice President, Regulatory Affairs

TRISO-X, LLC
151 Lafayette Drive, Suite 300
Oak Ridge, TN 37830

Copy: Robert Sun, US NRC
Jill Caverly, US NRC
Matt Bartlett, US NRC
TRISO-X Regulatory Records File