



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

March 1, 2024

MEMORANDUM TO: Samantha Lav, Chief  
Fuel Facility Licensing Branch  
Division of Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

FROM: Matthew Bartlett, Senior Project Manager  
Fuel Facility Licensing Branch  
Division of Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

A handwritten signature in blue ink, appearing to read "Matthew Bartlett", is positioned to the left of the "FROM:" line.

Signed by Bartlett, Matthew  
on 03/01/24

SUBJECT: SUMMARY OF MEETING ON JANUARY 24, 2024, WITH TRISO-X  
LLC, TO ALIGN ON THE U.S. NUCLEAR REGULATORY  
COMMISSION SUPPLEMENT FOR THE TRISO-X LLC RESPONSES  
TO THE REQUESTS FOR ADDITIONAL INFORMATION  
RESPONSES ON THE STRUCTURAL SUPPLEMENTAL  
INFORMATION

The U.S. Nuclear Regulatory Commission (NRC) hosted a closed Microsoft Teams meeting with TRISO-X, LLC (TRISO-X) on January 24, 2024, from 10:30AM until 12:00PM. The purpose of the meeting was to align and to have a mutual understanding on the NRC request for a supplement to the TRISO-X responses dated December 15, 2023 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML23349A208) to the previously issued requests for additional information (RAIs) dated November 17, 2023, regarding programmatic items in the previously submitted structural review (ML23313A110). The original application was received from TRISO-X on April 5, 2022 (ML22101A200) and was supplemented by letters dated October 13, 2022 (ML22286A144) and November 4, 2022 (ML22308A251).

The NRC staff discussed the need for TRISO-X to use the appropriate building risk category for the American Society of Civil Engineers design standard. The NRC staff provided feedback on the appropriate risk category that should be used for a nuclear fuel cycle facility. TRISO-X stated they would consider the NRC staff's position, but they believe the threshold proposed by the staff is overly restrictive for the type of material and operations unique to their facility.

The NRC and TRISO-X staff held several meetings to discuss the structural review, which supported resolution of the requests for supplemental information and three of the four

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Enclosures 2 and 3 transmitted herewith contain Security-Related Information. When separated from these enclosures, this document and Enclosure 1 are decontrolled
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programmatic RAIs, as summarized below.

- September 27, 28, and October 4, 2022 (ML22291A057) A number of requests for supplemental information, including for the structural review, were discussed during this series of calls.
- April 13, 2023 (ML23117A110) call with TRISO-X for ISA summary methodology and structural.
- May 17, 2023 (ML24053A029) call with TRISO-X to discuss the draft RAIs for management measures, human factors, and structural.

Additional meetings will be held, as needed, to work toward resolution of the remaining programmatic RAI for the building risk category and to support the detailed structural review, once the programmatic RAIs are resolved.

A list of participants is provided as Enclosure 1. The non-public Enclosure 2 provides a further description of the meeting. Enclosure 3 provides the slides prepared by the NRC and presented during the meeting.

Enclosures:

1. Participants List (public)
2. Meeting Summary (non-public)
3. PowerPoint slides (non-public)

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

S. Lav

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SUMMARY OF MEETING ON JANUARY 24, 2024, WITH TRISO-X LLC, TO ALIGN ON NRC  
SUPPLEMENT FOR THE TRISO-X RESPONSES TO THE REQUESTS FOR ADDITIONAL  
INFORMATION RESPONSES ON THE STRUCTURAL SUPPLEMENTAL INFORMATION  
DATE March 1, 2024

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**ADAMS Accession No.: ML24030A847; Memo ML24030A851**

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DATE	Feb 23, 2024	Feb 23, 2024	Feb 23, 2024	Mar 1, 2024

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