



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

March 11, 2024

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

FROM: Joseph Rudd, Project Manager  
Fuel Facility Licensing Branch  
Division of Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

A handwritten signature in brown ink, appearing to read "JR", is located to the right of the "FROM:" field.

Signed by Rudd, Joseph  
on 03/11/24

SUBJECT: SUMMARY OF MEETING HELD ON FEBRUARY 12, 2024, WITH  
TRISO-X, LLC TO DISCUSS DRAFT REQUESTS FOR ADDITIONAL  
INFORMATION ON ENVIRONMENTAL PROTECTION (ENTERPRISE  
PROJECT IDENTIFIER L-2022-NEW-0005)

The U.S. Nuclear Regulatory Commission (NRC) staff hosted a virtual public observation meeting via Microsoft Teams with TRISO-X, LLC (TRISO-X) on February 12, 2024, from 3:00p.m. until 4:00p.m. The purpose of the meeting was to ensure mutual understanding of the NRC's draft requests for additional information (RAIs) regarding environmental protection in the TRISO-X license application (LA), as supplemented (Agencywide Documents Access and Management System (ADAMS) Accession No. ML23321A041). The TRISO-X LA was received April 5, 2022, (ML22101A200) and was supplemented by letters dated October 13, 2022, (ML22286A144) and November 4, 2022, (ML22308A251). The NRC staff discussed the draft RAIs with TRISO-X and provided additional context and clarifications regarding the RAIs.

The meeting continued the discussions from the previous meeting held on this set of RAIs on December 19, 2023 (ML23362A063) and focused on draft RAI-1 and RAI-4. TRISO-X presented slides during the meeting clarifying their understanding of the regulations and providing additional context to the previously submitted LA. The impacts of the intent to supplement the LA (ML24020A010) were also discussed, such as the addition of a third stack and timing of submissions. The NRC staff discussed concerns with the planned ambient air sampling locations and their coverage of nearby receptors and the methods to achieve continuous monitoring. TRISO-X further clarified that the unrestricted area boundary for gaseous air effluent is at the point of release (the stack) and the maximally exposed individual would be conservatively calculated at this point. The controlled area boundary is the site perimeter fence line. The NRC staff and TRISO-X agreed that bullet 2 of RAI-1 and bullet 4 of RAI-4 regarding stormwater or precipitation sampling locations were seeking the same information, and the response may be combined. Bullet 2 of RAI-4 regarding atmospheric

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transport modeling requires further alignment within the NRC before the RAIs are issued. A list of participants is provided is enclosed.

Enclosure:  
Participants List

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

Summary of Meeting on 2-12-24 with TRISO-X to Discuss Draft Requests for Additional Information on Environmental Protection DATE March 11, 2024

DISTRIBUTION: Docket 07007027

JCaverly, NMSS/REFS/ERMB

MMorales, NMSS/REFS/ERMB

**ADAMS Accession No.: ML24057A361; Memo ML24057A363**

OFFICE	NMSS	NMSS/DFM/FFLB	NMSS/DFM/FFLB	NMSS/DFM/FFLB
NAME	JRudd JR	MBartlett MB	JGoodridge JG	SLav SL
DATE	Feb 27, 2024	Mar 4, 2024	Mar 6, 2024	Mar 11, 2024
OFFICE	NMSS			
NAME	JRudd JR			
DATE	Mar 11, 2024			

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