



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

November 17, 2023

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION SET SIX FOR THE MATERIAL CONTROL AND ACCOUNTING, FIRE SAFETY, AND STRUCTURAL REVIEW REGARDING THE TRISO-X, LLC LICENSE APPLICATION FOR A NEW FUEL FABRICATION FACILITY (ENTERPRISE PROJECT IDENTIFICATION NUMBER L-2022-NEW-0005)

Dear Jennifer Wheeler:

The U.S. Nuclear Regulatory Commission (NRC) staff has developed the sixth set of requests for additional information (RAIs) to support the material control and accounting; fire safety; and (programmatic) structural reviews of the TRISO-X, LLC safety and safeguards license application. Your application for a new fuel fabrication facility located in Oak Ridge, TN was submitted via letter dated April 5, 2022 (Agencywide Documents Access and Management System (ADAMS) Accession Number ML22101A200) and supplemented by letters dated October 13, 2022 (ML22286A144) and November 4, 2022 (ML22308A251).

Please consider providing your draft responses to the RAIs in advance of the formal response letter and holding a meeting with us to ensure mutual understanding of the responses. The RAI responses are due within 30 days of the date of this letter.

In accordance with Title 10 of the *Code of Federal Regulations*, Part 2 "Agency Rules of Practice and Procedure," a copy of this letter and the public enclosures will be available electronically for public inspection in the NRC Public Document Room (PDR) or from the Publicly Available Records component of the NRC's ADAMS. The ADAMS database is accessible from the NRC website at <http://www.nrc.gov/reading-rm/adams.html>. The PDR is open by appointment. To make an appointment to visit the PDR, please send an email to PDR.Resource@nrc.gov or call 1-800-397-4209 or 301-415-4737, between 8 a.m. and 4 p.m. eastern time (ET), Monday through Friday, except Federal holidays.

Enclosures 2 and 3 transmitted herewith contain security related information. When separated from the enclosures 2 and 3, this letter and enclosure 1 are decontrolled.

J. Wheeler

2

If you have any questions regarding this communication, please contact me at 301-415-7154, or via email to Matthew.Bartlett@nrc.gov.

Sincerely,



Signed by Bartlett, Matthew
on 11/17/23

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

Docket No. 07007027

Enclosures:

1. RAI (Programmatic) Structural
2. RAI Material Control and
Accounting (Non-public)
3. RAI Fire Safety (Non-public)

cc: trisox@listmgr.nrc.gov

J. Wheeler

3

REQUEST FOR ADDITIONAL INFORMATION SET SIX FOR THE MATERIAL CONTROL AND ACCOUNTING, FIRE SAFETY, AND STRUCTURAL REVIEW REGARDING THE TRISO-X, LLC LICENSE APPLICATION FOR A NEW FUEL FABRICATION FACILITY DATE November 17, 2023

DISTRIBUTION: Docket No. 07007027

SAni, NMSS/DFM/MCAB

FChang, NMSS/DFM/CTCFB

JLopez, NRR/DEX/ESEB

SHelton, NMSS/DFM

CTaylor, R-II/DFFI/PB1

PJehle, OGC/GCRPS/HLWFCNS/NLO

ABell, OGC/GCRPS/HLWFCNS/NLO

ADAMS Accession No.: ML23313A110; Ltr ML23313A114

OFFICE	NMSS/DFM/FFLB	NMSS/DFM/FFLB	NSIR/DPR	NMSS/DFM/FFLB
NAME	SPoy <i>SP</i>	MBartlett <i>MB</i>	JGoodridge <i>JG</i>	SLav <i>SL</i>
DATE	Nov 13, 2023	Nov 14, 2023	Nov 15, 2023	Nov 17, 2023
OFFICE	NMSS/DFM/FFLB			
NAME	MBartlett <i>MB</i>			
DATE	Nov 17, 2023			

OFFICIAL RECORD COPY