



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

July 15, 2022

MEMORANDUM TO: William Kennedy, Acting Chief  
Advanced Reactor Licensing Branch 1  
Division of Advanced Reactors and Non-Power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

FROM: Lucieann Vechioli Feliciano, Project Manager *Lucieann Vechioli Feliciano* Signed by Vechioli, L  
Advanced Reactor Licensing Branch 1 on 07/15/22  
Division of Advanced Reactors and Non-Power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE FEBRUARY 10, 2022, CLOSED MEETING  
WITH X ENERGY, LLC REGARDING XE-100 TOPICAL  
REPORT: TRISO-X PEBBLE FUEL QUALIFICATION  
METHODOLOGY (EPID NO.: L-2021-TOP-0011)

On February 10, 2022, the U.S. Nuclear Regulatory Commission (NRC) staff held a closed videoconference meeting with X Energy, LLC (X-energy) regarding clarification of the Requests for Additional Information sent by the NRC staff on December 2, 2021 (Agencywide Documents Access and Management System (ADAMS) Accession Nos. ML21334A230 and ML21334A233 (nonpublic)) regarding XE00-R-R1ZZ-RDZZ-L-000633, Revision 2 of "Xe-100 Topical Report: TRISO-X Pebble Fuel Qualification Methodology" (ML21246A289). Participants included personnel from X-energy.

The public meeting was noticed on February 1, 2022 (ML22032A068). The List of Attendees is provided as an enclosure.

The NRC staff began the meeting with an introduction and pertaining logistical information. During the meeting, X-energy representatives asked the NRC staff questions regarding individual RAI questions. The questions were followed by an open discussion between the participants to discuss certain aspects of the questions that required clarification. Finally, the X-energy representatives and the NRC staff discussed the next steps in the review of the topical report.

Project No. 99902071

Enclosure:  
List of Attendees

CONTACT: Lucieann Vechioli Feliciano, NRR/DANU  
301-415-0673

SUBJECT: SUMMARY OF THE FEBRUARY 10, 2022, CLOSED MEETING WITH X ENERGY, LLC REGARDING XE-100 TOPICAL REPORT: TRISO-X PEBBLE FUEL QUALIFICATION METHODOLOGY (EPID NO.: L-2021-TOP-0011) DATED: JULY 15, 2022

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LVechioli, NRR  
KWagner, NRR  
BTravis, NRR  
WKennedy, NRR

**ADAMS Accession Number: ML22166A418**

**NRR-106**

OFFICE	NRR/DANU/UAL1:PM	NRR/DANU/UAL1:PM	NRR/DANU/UAL1:LA
NAME	KWagner	LVechioli	CSmith
DATE	06/16/2022	06/17/2022	07/11/2022
OFFICE	NRR/DANU/UAL1:BC(A)	NRR/DANU/UAL1:PM	
NAME	WKennedy	LVechioli	
DATE	07/14/2022	07/15/2022	

**OFFICIAL RECORD COPY**

**List of Attendees**

**Closed Meeting with X Energy, LLC regarding Xe-100 Topical Report: TRISO-X Pebble  
Fuel Qualification Methodology**

**Thursday, February 10, 2022  
11:00 a.m. – 12:00 p.m.**

<b><u>Name</u></b>	<b><u>Organization</u></b>
Lucieann Vechioli	U.S. Nuclear Regulatory Commission (NRC)
Katherine Wagner	NRC
Boyce Travis	NRC
Travis Chapman	X Energy, LLC (X-energy)
Eben Mulder	X-energy
Pete Pappano	X-energy
Paul Loza	X-energy
Raymond Wang	X-energy
Kyle Metzroth	X-energy
Milan Hanus	X-energy
Sonat Sen	X-energy
Dirk Olivier	X-energy
Ingrid Nordby	X-energy

Enclosure