



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

July 19, 2023

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

FROM: Lucieann Vechioli, Project Manager */RA/*
Advanced Reactor Licensing Branch
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF AUGUST 2, 2022, MEETING BETWEEN THE
U.S. NUCLEAR REGULATORY COMMISSION STAFF AND
X ENERGY, LLC REGARDING "XE-100 CONTROL ROOM
STAFFING ANALYSIS METHODOLOGY AND ASSOCIATED
IMPLEMENTATION PLANS," REVISION 2 LICENSING TOPICAL
REPORT SUBMITTAL

On August 2, 2022, the U.S. Nuclear Regulatory Commission (NRC) staff held a virtual observation public meeting with representatives from X-Energy, LLC (X-energy). This meeting was part of the NRC staff's review process of X-energy submittal: "Xe-100 Licensing Topical Report: Control Room Staffing Analysis Methodology and Associated Implementation Plans" Revision 2." The meeting notice can be found at the Agencywide Documents Access and Management System (ADAMS) Accession No. ML22197A001.

The meeting was an opportunity to discuss a set of preliminary questions developed by the NRC staff to improve understanding of the information included in the subject topical report. The set of preliminary questions are available at ML22235A698. The Enclosure provides the list of meeting attendees.

After introductions, the NRC staff and X-energy began the detailed discussion of each question to confirm X-energy representatives understood the NRC staff initial feedback that was provided as preliminary questions. X-energy representatives explained that based on their initial evaluation of the preliminary questions they will be able to respond and provide the necessary information within two weeks from the date of the meeting.

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The meeting ended with the NRC staff stating that depending on the outcome of the responses, the NRC staff may develop formal requests for additional information or continue with the development of the safety evaluation report.

X-energy intends to continue to engage with the NRC staff regarding this and several other topics as part of the pre-application activities for the Xe-100 design.

There were no questions from the public at the end of the meeting.

Project No.: 99902071

Enclosure:
List of Attendees

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ADAMS Accession Number: ML22257A180

NRR-106

OFFICE	NRR/DANU/UAL 1/PM	NRR/DANU/UAL 1/LA	NRR/DANU/UAL 1/BC(A)
NAME	LVechioli	DGreene	GOberson
DATE	09/14/2022	09/16/2022	07/19/2023
OFFICE	NRR/DANU/UARL 1/PM		
NAME	LVechioli		
DATE	07/19/2023		

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List of Attendees

Public Meeting with X Energy LLC regarding the “Xe-100 Control Room Staffing Analysis Methodology and Associated Implementation Plans”

Tuesday, August 2, 2022

Name	Organization
Lucieann Vechioli	U.S. Nuclear Regulatory Commission (NRC)
Brian Tindell	NRC
Justin Vazquez	NRC
Lauren Nist	NRC
Ingrid Nordby	X-Energy LLC (X-energy)
Travis Chapman	X-energy
Jon Facemire	X-energy
Raymond Wang	X-energy
Maggie Staiger	X-energy
Paul Loza	X-energy
Brandon Hartle	X-energy
Paul Hippely	X-energy
Yvotte Brits	X-energy
Tom Braudt	X-energy
Eddie Grant	X-energy
James Park	X-energy
Maggie Staiger	X-energy
Daniel Williamson	Southern Co.
Hector Martinez-Pinna	Tecnatom
Steven Pope	ISL
Richard Stadtlander	NEI
Eric Thornsby	EPRI
Trace Orf	self
Mary Miller	Dominion
Scott Ingalls	Zachry Nuclear
Nathan Jackson	GE Power
Chet Austin Sigmon	Duke Energy
Eric Schmeck	Dominion Energy
Timothy Stuhldreher	DOE