



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

September 16, 2024

MEMORANDUM TO: Stephen Philpott, Acting Chief
Advanced Reactor Licensing Branch 2
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

FROM: Ondra Dukes, Project Manager */RA/*
Advanced Reactor Licensing Branch 2
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE JULY 1, 2024, OBSERVATION MEETING
WITH X ENERGY, LLC., REGARDING THE QUALITY
ASSURANCE PROGRAM DESCRIPTION TOPICAL REPORT
APPLICABILITY TO TITLE 10 OF THE *CODE OF FEDERAL
REGULATIONS* PART 71, "PACKAGING AND
TRANSPORTATION OF RADIOACTIVE MATERIAL"

Meeting Information:

Applicant: X Energy, LLC. (X-energy)

Project No.: 99902071

Public Meeting Notice Agencywide Documents Access and Management System (ADAMS)
Accession No.: ML24173A312

Meeting Attendees: See the enclosure for a list of meeting attendees.

CONTACT: Ondra Dukes, NRR/DANU/UAL2
301-415-0537

Meeting Summary:

The U.S. Nuclear Regulatory Commission (NRC) staff conducted the meeting in accordance with NRC Management Directive 3.5, "Attendance at NRC Staff-Sponsored Meetings" ([ML21180A271](#)). The meeting's objective was to discuss X-energy's Quality Assurance Program Description (QAPD) topical report applicability to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 71, "Packaging and Transportation of Radioactive Material," activities. The main points of discussion during the meeting included:

- The NRC staff requested clarification of X-energy's desire to and basis for applying the QAPD topical report to 10 CFR Part 71 at this time. X-energy discussed that the statements in the topical report were not intended as a request to apply the topical report to 10 CFR Part 71 activities.
- The NRC staff recommended that X-energy consider submitting a letter of notification to the NRC to document and clarify that it is not requesting applicability of the topical report to 10 CFR Part 71. The NRC staff also suggested that X-energy consider removing the associated statements in future revisions of the topical report. X-energy stated that it would discuss the options internally and update the NRC staff on its decision to provide a letter to the NRC and/or remove the statements from future revisions of the topical report.

No regulatory decisions were made during this meeting.

Project No.: 99902071

Enclosure: List of Meeting Attendees

cc: X-energy Xe-100 via GovDelivery

SUBJECT SUMMARY OF THE JULY 1, 2024, OBSERVATION MEETING WITH X ENERGY, LLC., REGARDING THE QUALITY ASSURANCE PROGRAM DESCRIPTION TOPICAL REPORT APPLICABILITY TO TITLE 10 OF THE *CODE OF FEDERAL REGULATIONS* PART 71, "PACKAGING AND TRANSPORTATION OF RADIOACTIVE MATERIAL" DATED: SEPTEMBER 16, 2024

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NRR-106

OFFICE	NRR/DANU/UAL2:PM	NRR/DANU/UAL2:LA	NRR/DANU/UAL2:PM
NAME	ODukes	CSmith	AMuñiz
DATE	09/04/2024	09/16/2024	09/09/2024
OFFICE	NRR/DANU/UAL2:BC (A)	NRR/DANU/UAL2:PM	
NAME	SPhilpott	ODukes	
DATE	09/12/2024	09/16/2024	

OFFICIAL RECORD COPY

LIST OF MEETING ATTENDEES

OBSERVATION MEETING WITH X ENERGY, LLC., REGARDING THE QUALITY ASSURANCE PROGRAM DESCRIPTION TOPICAL REPORT APPLICABILITY TO TITLE 10 OF THE *CODE OF FEDERAL REGULATIONS* PART 71, “PACKAGING AND TRANSPORTATION OF RADIOACTIVE MATERIAL”

July 1, 2024

<u>Name</u>	<u>Organization</u>
Ondra Dukes	U.S. Nuclear Regulatory Commission (NRC)
Adrian Muñiz	NRC
Jeremy Tapp	NRC
Marlone Davis	NRC
Yamir Diaz-Castillo	NRC
Kerri Kavanagh	NRC
Raju Patel	NRC
Ava Falgie	NRC
Mark Feltner	X Energy, LLC. (X-energy)
Matt Featherston	X-energy
Jessica Maddocks	X-energy
Brandon Norris	X-energy
Jim Fogarty	X-energy
Theodore Dowling	X-energy
Aixa Belen	X-energy
Gerry McCormick	Department of Energy (DOE)
David Yarwood	DOE
Timothy Stuhldreher	DOE
Blake Cole	NextEra Energy, Inc.
Joy Jiang	
Spencer Toohill	
Tim Polich	

Enclosure