



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

September 27, 2024

MEMORANDUM TO: Michelle W. Hayes, Chief  
Licensing and Regulatory Infrastructure Branch  
Division of New and Renewed Licenses  
Office of Nuclear Reactor Regulation

FROM: Victoria V. Huckabay, Senior Project Manager /RA/  
Licensing and Regulatory Infrastructure Branch  
Division of New and Renewed Licenses  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE JULY 24, 2024, PUBLIC MEETING WITH OKLO,  
INC. TO DISCUSS THE SAFETY BASIS DEVELOPMENT APPROACH  
FOR OKLO FUEL RECYCLING FACILITY

**Meeting Information:**

Vendor: Oklo, Inc. (Oklo)

Docket No.: 99902101

Meeting Title: Safety Basis Development Approach for Oklo Fuel Recycling Facility

Meeting Date: July 24, 2024

Meeting Type: Partially Closed

Public Meeting Notice Agencywide Documents Access and Management System (ADAMS)

Accession No.: [ML24204A207](#)

Meeting Attendees: See Enclosure 1 for list of meeting attendees

Enclosure 2 to this letter contains Proprietary Information. When separated from Enclosure 2, this letter is DECONTROLLED.

CONTACT: Victoria V. Huckabay, NRR/DNRL/NLIB  
(301) 415-5183

**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 NRC staff discussed with Oklo the preliminary approach to the safety analysis for a fuel recycling facility.

During the open portion of the meeting, Oklo presented an overview of Oklo's pyroprocessing-based fuel recycling facility and the market drivers for fuel reprocessing. Oklo also discussed the use of NRC staff guidance and the considerations from the Draft Regulatory Basis in SECY-11-0163 for the development of the safety analysis for a reprocessing facility ([ML24204A022](#)).

At the end of the open portion of the meeting, members of the public were invited to provide comments or ask the NRC staff questions pertaining to the scope of the meeting. Two public members provided comments.

One commenter expressed a concern that most of the information related to this pre-application engagement is not publicly available. The commenter added that pyroprocessing has not yet been fully demonstrated by national laboratories as it does not include the oxide reduction and other process steps which Oklo had outlined. Another commenter stated that melted fuel should be stored separately in an interim storage facility, citing a partial meltdown incident at Fermi-1 in 1966. The commenter also raised concerns with the lack of publicly available information and process transparency and the possibility of the technology being prone to proliferation.

**Enclosures:**

1. List of Attendees
2. Meeting Minutes – Closed Portion  
(non-public)

SUBJECT: SUMMARY OF THE JULY 24, 2024, PUBLIC MEETING WITH OKLO, INC. TO  
DISCUSS THE SAFETY BASIS DEVELOPMENT APPROACH FOR OKLO FUEL  
RECYCLING FACILITY. DATE: SEPTEMBER 27, 2024

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**ADAMS Accession Nos.:****Package: ML24270A055****Letter: ML24270A057****Enclosure 2: ML24270A056****via email****NRC-001**

OFFICE	NRR/DNRL/NLIB:PM	NRR/DNRL/NLIB:LA	NRR/DNRL/NLIB BC	NRR/DNRL/NLIB:PM
NAME	VHuckabay	SGreen	MHayes	VHuckabay
DATE	09/25/2024	09/26/2024	09/26/2024	09/27/2024

**OFFICIAL RECORD COPY**

**July 24, 2024, PUBLIC MEETING WITH OKLO, INC. ON SAFETY BASIS DEVELOPMENT  
APPROACH FOR OKLO FUEL RECYCLING FACILITY**

**Meeting Attendees**

<b>Name</b>	<b>Organization</b>
Victoria Huckabay	U.S. Nuclear Regulatory Commission (NRC)
Alexis Sotomayor-Rivera	NRC
Raj Iyengar	NRC
Diane Jackson	NRC
Glenn Tuttle	NRC
Jose Cuadrado	NRC
Phil Brochman	NRC
Tim Harris	NRC
Kevin Roach	NRC
Nicolas Mertz	NRC
Rin limi	NRC
Sean Gallagher	NRC
Tom Boyce	NRC
Yawar Faraz	NRC
James Hammelman	NRC
Nicole Cortes	NRC
Jonathan Marcano Lozada	NRC
Jeremy Munson	NRC
Mike Call	NRC
Wendy Reed	NRC
Brian Smith	NRC
Samuel Lee	NRC
Billy Gleaves	NRC
Hamida Sallman	NRC
Trey Hathaway	NRC
Neil Sheehan	NRC
Charles Stanko	NRC
Carmen Teolis	Oklo
Kellen McCarroll	Oklo
Samuel Wassink	Oklo
Ed Petit de Mange	Oklo
Ross Moore	Oklo
Alex Renner	Oklo
Cassandra Fike-Hanley	Oklo

Jeffrey Bartelme	SHINE Technologies, LLC
Dave Grabaskas	Argonne National Laboratory
Edwin Lyman	Union of Concerned Scientists
Leigh Lloveras	Breakthrough Institute
Michael Keegan	Public