



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

December 15, 2025

MEMORANDUM TO: Samantha Lav, Chief
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

FROM: Yawar Faraz, Senior Project Manager
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF JUNE 25, 2025, CLOSED MEETING WITH OKLO,
INC. TO DISCUSS MATERIAL CONTROL & ACCOUNTING FOR
THE PLANNED REPROCESSING FACILITY LICENSE
APPLICATION

A handwritten signature in black ink, appearing to read "Faraz, Yawar".

Signed by Faraz, Yawar
on 12/15/25

The U.S. Nuclear Regulatory Commission (NRC) staff conducted a closed meeting with Oklo, Inc. (Oklo) on June 25, 2025, from 1:00 p.m. until 5:00 p.m. to discuss Oklo's white paper, "Material Control and Accounting for the Oklo Recycling Facility" submitted to the NRC on May 23, 2025 ([ML25143A222](#)).

The purpose of the meeting was for Oklo staff to: 1) provide a programmatic overview of the material control and accounting (MC&A) program, 2) present how the MC&A program addresses the MC&A-related gaps identified in SECY-09-0082, "Update on Reprocessing Regulatory Frameworks – Summary of Gap Analysis," and 3) discuss feedback from the NRC staff on Oklo's approach to resolving the MC&A-related gaps.

In its slide presentation ([ML25168A349](#)), Oklo staff provided an overview of the MC&A program, including facility characteristics, and described the various MC&A program elements. Oklo described how their MC&A approach incorporates performance-based and risk-informed principles to meet regulatory requirements while addressing the unique challenges of the chosen recycling process, pyroprocessing. Oklo described how the MC&A program combines near-real-time measurement, real-time monitoring, computational modeling, holdup management, and containment and surveillance activities to provide information on the special nuclear material (SNM) inventory continuously across the facility.

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Enclosures 1 and 2 transmitted
herewith contain Proprietary
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the enclosures, this document is
decontrolled.

S. Lav

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Oklo described how various elements of their MC&A program and facility design features address the MC&A-related gaps identified in SECY-09-0082, and support the application of the MC&A provisions described in Title 10 of the *Code of Federal Regulations*, (10 CFR) Part 74, “Material Control and Accounting of Special Nuclear Material,” Subpart D, “Special Nuclear Material of Moderate Strategic Significance,” for Category II quantities of SNM.

Attendees:

NRC	Oklo, Inc.
Diane Jackson, Material Control and Accounting Branch Chief	Ross Moore, Regulatory Lead
Yawar Faraz, Sr. Licensing Project Manager	Carmen Teolis, Senior Licensing Manager
Glenn Tuttle, Sr. Material Control and Accounting Analyst	Ed de Petit Mange, Lead Business Recycling Unit
Suzanne Ani, Sr. Material Control and Accounting Analyst	Cassandra Fike-Hanley, Regulatory Engineer
Victoria Huckabay, Sr. Project Manager	Alex Renner, Chief Product Officer
Stephen Poy, Project Manager	Christina Leggett, Director of Fuel Cycle Technology
Phil Brochman, Sr. Program Manager	Eva Barker, Safeguards Engineer
Nicholas Mertz, Attorney	Brian Kloiber, Security Lead
Sam Stephens, Attorney	Tom Pham, Consultant, Boston Government Services

Docket No. 07007042

Enclosures:

1. Meeting Summary (Non-public)
2. NRC Staff’s Feedback on Oklo’s Material Control and Accounting (MC&A) White Paper and Questions (Non-public)

cc: R. Moore, Oklo
C. Teolis, Oklo

S. Lav

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DATED: December 15, 2025

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DATE	12/15/2025	12/15/2025		

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