



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

January 14, 2026

MEMORANDUM TO: Joshua Borromeo, Chief
Advanced Reactor Licensing Branch 1
Division of Advanced Reactors and Non-power Production and
Utilization Facilities
Office of Nuclear Reactor Regulation

FROM: Donna Williams, Senior Project Manager *Donna Williams*
Advanced Reactor Licensing Branch 1
Division of Advanced Reactors and Non-power Production and
Utilization Facilities
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE SEPTEMBER 17, 2025, PARTIALLY
CLOSED PUBLIC MEETING TO DISCUSS FUEL
QUALIFICATION FOR THE OKLO ADVANCED REACTOR
DESIGN (EPID L-2022-LRM-0048)

Meeting Information:

Applicant: Oklo, Inc. (Oklo)

Project No.: 99902095

Public Meeting Notice Agencywide Documents Access and Management System (ADAMS)
Accession No.: ML25251A227

Applicant Presentation Slides: ML25265A153 (proprietary), ML25265A152 (proprietary),
ML25265A151 (public)

Meeting Attendees: See Enclosure 1 for a list of meeting attendees.

Enclosure 2 to this letter contains proprietary information. When separated from enclosure 2, this letter is DECONTROLLED.

CONTACT: Donna Williams, NRR/DANU/UAL1
301-415-1322

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). Meeting background and summary information is provided below.

- Oklo and the NRC staff previously discussed Oklo's fuel qualification strategy for current and future fuel types on November 13, 2024 (ML24339A057). At that meeting, Oklo described its approach to leveraging legacy fabrication methods, fuel specifications, and design limits. The staff provided feedback on the information that could inform future licensing actions related to the use of lead test assemblies.
- The purpose of the September 17, 2025, meeting was for Oklo to address feedback from the previous meeting, present the content of a proposed topical report (TR) on fuel qualification to support its initial fuel design, and discuss its qualification strategy for subsequent fuel variants and prospective fuel system designs. Oklo shared a draft of the proposed TR with the staff prior to the September 17 meeting to facilitate the discussion.
- Oklo stated that the purpose of the planned TR, "Aurora Fuel Qualification Report," is to provide the basis for qualification of phase 0 fuel and to support future Aurora combined license applications.
- Oklo stated that it considered NUREG-2246, "Fuel Qualification for Advanced Reactors" (ML22063A131), and NUREG/CR-7305, "Metal Fuel Qualification: Fuel Assessment Using NRC NUREG-2246, 'Fuel Qualification for Advanced Reactors'" (ML23214A065), during TR development and noted any deviations.
- The staff shared the types of additional information that could be included in the TR to provide a more complete submittal. In particular, the staff emphasized that the TR would be more complete if it addressed the data gaps between the proposed Oklo Aurora fuel design and prior operational experience.
- In a second portion of the meeting, Oklo introduced its strategy for advanced fuel development activities. Oklo's objective for this portion of the meeting was to obtain staff feedback on its long-term fuel qualification strategy and to identify appropriate next steps to support future licensing actions.
- Oklo referenced precedent methodology reports used by other licensees that provide flexibility in licensing future fuel design changes (e.g., see ML20330A195, ML20078S247, ML17347A026). These reports establish a methodology that, once approved, allows for streamlined qualification of subsequent configurations without requiring full extensive re-review of each design iteration.
- The staff indicated that additional engagements may be necessary to support advanced fuel phases as the design and qualification approach evolves.

No regulatory decisions were made as a result of this meeting.

Enclosures:

1. List of Attendees
2. Meeting Notes (proprietary)

SUBJECT: SUMMARY OF THE SEPTEMBER 17, 2025, PARTIALLY CLOSED PUBLIC MEETING TO DISCUSS FUEL QUALIFICATION FOR THE OKLO ADVANCED REACTOR DESIGN DATED: JANUARY 14, 2026

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ADAMS Accession No.: ML (Package) ML25345A442
ML (Cover Letter and Enclosure 1) ML25345A443
ML (Enclosure 2) ML25345A444

NRR-106

OFFICE	NRR/DANU/UAL1: PM	NRR/DANU/UTB2	NRR/DANU/UAL1: BC	NRR/DANU/UAL1: PM
NAME	DWilliams	CdeMessieres	JBorromeo	DWilliams
DATE	12/15/25	1/6/26	1/9/26	1/14/26

OFFICIAL RECORD COPY

List of Meeting Attendees

SUMMARY OF THE SEPTEMBER 17, 2025, PARTIALLY CLOSED PUBLIC MEETING TO
DISCUSS FUEL QUALIFICATION FOR THE OKLO ADVANCED REACTOR DESIGN
(EPID L-2022-LRM-0048)

Sept 17, 2025

Name	Organization
Donna Williams	U.S. Nuclear Regulatory Commission (NRC)
Candace de Messieres	NRC
Alex Siwy	NRC
Ethan Tievy	NRC
Hakan Ozaltun	NRC
Jackie Tulip	NRC
Katie Wagner	NRC
Pravin Sawant	NRC
Evrard Lacroix	Oklo, Inc. (Oklo)
Nick Fassino	Oklo
Ryan Webster	Oklo
Alex Renner	Oklo
Andrew Brenner	Oklo
Carmen Teolis	Oklo
Ross Moore	Oklo
Ben Parks	Oklo
Pat Everett	Oklo
Diego Saenz	Oklo
Amrit Patel	Oklo
William Tilson	public