



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

January 16, 2024

MEMORANDUM TO: William Jessup, 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 /RA/
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 AUGUST 9, 2023, PARTIALLY CLOSED
PUBLIC MEETING WITH OKLO, INC. TO DISCUSS MATERIALS
FOR THE OKLO ADVANCED REACTOR DESIGN (EPID NO. L-
2022-LRM-0042)

Meeting Information:

Applicant: Oklo, Inc. (Oklo)

Project No.: 99902095

Public Meeting Notice Agencywide Documents Access and Management System (ADAMS)
Accession No.: ML23193A986

Applicant Presentation Slides: ML23226A135

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

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). Highlights from the meeting included the following:

- The NRC staff met with Oklo to discuss its approach to vessel design and the regulatory approach for its advanced reactors.
- Oklo previously met with the NRC staff on June 29, 2023, to present its approach to materials and to address specific areas of interest previously highlighted by NRC staff regarding this topical area. During the June 29, 2023, meeting, the NRC staff requested more information regarding Oklo's intentions for the design, analysis, procurement, and proposed codes and standards that would be used for its vessels.
- The purpose of the August 9, 2023, meeting was to communicate Oklo's approach to design, analysis, and construction of the reactor vessel and guard vessel and to solicit feedback from the NRC staff on Oklo's intended path forward for compliance with consensus codes and standards for the reactor vessel and guard vessel.
- As a result of the meeting, the NRC staff has a better understanding of Oklo's proposed approach for procurement of its vessels and how Oklo intends to use codes and standards for design and construction of the reactor and guard vessel.
- The NRC staff noted that in Regulatory Guide 1.87 "Acceptability of ASME Code Section III, Division 5, 'High Temperature Reactors,'" the NRC endorsed codes and standards for use in the design, construction, testing and quality assurance of mechanical systems and components for non-light-water reactors operating at elevated temperatures.
- The NRC staff also noted that when an applicant does not plan to use consensus codes and standards, and those that have been previously endorsed by the NRC, the applicant has to justify the adequacy of such a code or standard. Further, this type of custom review represents an application review risk and can be resource intensive.

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

Enclosures:

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

cc: Oklo Powerhouse via GovDelivery

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

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WITH OKLO, INC. TO DISCUSS MATERIALS FOR THE OKLO ADVANCED
REACTOR DESIGN (EPID NO. L-2022-LRM-0042)
DATED: JANUARY 16, 2024

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ADAMS Accession Nos.:**Package: ML23249A130****Letter: ML23249A135****Enclosure 2: ML23249A136****NRR-106**

OFFICE	NRR/DANU/UAL1: PM	NRR/DANU/UAL1: BC	NRR/DANU/UAL1: PM
NAME	DWilliams	WJessup	DWilliams
DATE	09/06/2023	1/16/24	1/16/24

OFFICIAL RECORD COPY

List of Meeting Attendees

For the Partially Closed August 9, 2023, Pre-Application Meeting with Oklo, Inc. to Discuss Materials

Name	Organization
Donna Williams	U.S. Nuclear Regulatory Commission (NRC)
Candace DeMessieres	NRC
Meg Audrain	NRC
Matthew Gordon	NRC
Alex Siwy	NRC
Trace Orf	Oklo, Inc. (Oklo)
Ross Moore	Oklo
Tom Burke	Oklo (contractor)
Pat Everett	Oklo
Amrit Patel	Oklo
Alex Renner	Oklo
William Stokes	Oklo
Scott Auerbach	Oklo