



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

January 31, 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 APRIL 21, 2023, MEETING TO DISCUSS
SAFETY CLASSIFICATION 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.: ML23104A096

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 following three topics were discussed during the April 21, 2023, meeting:
 - Status of pre-application activities,
 - Oklo's intended path to closure of pre-application discussion on certain items related to safety classification, and
 - Preliminary NRC staff feedback on draft white papers (WPs) related to safety-related compliance, safety classification, and regulatory controls.
- The NRC staff and Oklo discussed environmental issues, principal design criteria (PDC), seismic design and site characterization, and physical security as part of the broader discussion on pre-application engagement activity status updates.
 - The NRC staff agreed to schedule a separate meeting between Oklo and NRC staff in the Office of Nuclear Material Safety and Safeguards to discuss matters related to Oklo's forthcoming environmental report.
 - The NRC staff and Oklo discussed the General Design Criteria (GDC) found in Appendix A, "General Design Criteria for Nuclear Power Plants," to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, "Domestic Licensing of Production and Utilization Facilities," and how the GDC provide guidance for establishing PDC for non-water-cooled nuclear power plants.
 - The NRC staff encouraged Oklo to formally submit a WP on the topic of seismic design and site characterization to obtain written NRC staff feedback on its proposed approach for addressing these areas in a future license application.
 - Oklo shared its plans for addressing physical security in its proposed advanced reactor design and indicated that it may be helpful to schedule an additional meeting on this topic in the future.
- In January 2023, Oklo shared a draft WP entitled, "Safety-Related Compliance - Approach to Safety Classification (draft)." In February 2023, the NRC staff shared four questions regarding this draft WP and indicated that these four questions should be used as the basis for future discussions on regulatory controls. During the April 21, 2023, meeting, Oklo provided responses to these four questions. The NRC staff acknowledged Oklo's responses and stated it will consider this information as it reviews the WP when it is submitted.
- On April 12, 2023, Oklo shared draft WPs entitled "Safety Classification Overview" and "Regulatory Controls Example." At the April 21, 2023, meeting, the NRC staff also provided preliminary feedback regarding these draft WPs. The NRC staff identified several areas where it would need clarification to fully understand Oklo's approach.

- A future meeting will be scheduled to discuss the NRC staff's feedback on the draft WPs.

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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(EPID NO. L-2022-LRM-0042)
DATED: JANUARY 31, 2024

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Enclosure 2: ML23159A141

NRR-106

OFFICE	NRR/DANU/UAL1: PM	NRR/DANU/UAL1:BC	NRR/DANU/UAL1: PM
NAME	DWilliams	WJessup	DWilliams
DATE	09/06/2023	1/23/24	1/31/24

OFFICIAL RECORD COPY

List of Meeting Attendees

SUMMARY OF THE APRIL 21, 2023, MEETING TO DISCUSS SAFETY CLASSIFICATION FOR THE OKLO ADVANCED REACTOR DESIGN (EPID NO. L-2022-LRM-0042)

Name	Organization
Donna Williams	U.S. Nuclear Regulatory Commission (NRC)
Reed Anzalone	NRC
Alex Siwy	NRC
Andrew Proffitt	NRC
Candace de Messieres	NRC
Trace Orf	Oklo, Inc. (Oklo)
Ross Moore	Oklo
Alex Renner	Oklo
Alan Smith	Oklo
Patrick Everett	Oklo
Caroline Cochran	Oklo
John Hanson	Oklo