



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

September 17, 2019

MEMORANDUM TO: Steven Lynch, Acting Chief
Advanced Reactor Licensing Branch
Division of Advanced Reactors
Office of New Reactors

FROM: Jan M. Mazza, Project Manager */RA/*
Advanced Reactor Licensing Branch
Division of Advanced Reactors
Office of New Reactors

SUBJECT: SUMMARY OF APRIL 9, 2019, CLOSED MEETING WITH THE
U.S. NUCLEAR REGULATORY COMMISSION STAFF AND
OKLO, INC., TO DISCUSS OKLO, INC. DESIGN OVERVIEW
(EPID LRM-0011)

On April 9, 2019, a closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives from Oklo, Inc. (Oklo) at the NRC offices at Three White Flint North, 11601 Landsdown St., Rockville, Maryland 20852, Room 1-C03. The purpose of this closed meeting was for Oklo to provide the NRC staff with an overview of its design.

The design overview included an introduction to Oklo and its organization. Oklo provided information on its design, including key design features, size and source term, fuel and materials, power density and burnup, and modeling. Oklo also presented results from its implementation of Draft Guide (DG)-1353, "Guidance for a Technology-Inclusive, Risk-Informed, and Performance-Based Approach to Inform the Content Applications for Licenses, Certifications, and Approvals for Non-Light Water Reactors," including the Oklo safety case, and proposed application structure and content. The NRC staff gained information on the Oklo design and safety case needed to inform review preparations. The NRC also provided Oklo with feedback on the areas of focus and level of detail needed to review the Oklo design.

The meeting agenda and list of meeting attendees are included in Enclosures 1 and 2, respectively. The meeting notice, non-proprietary version of the meeting slides, non-proprietary version of the Oklo "DG-1353 Pilot Report," and DG-1353, are located in the NRC's Agencywide Documents Access and Management System (ADAMS) at accession numbers ML19091A279, ML19249B770, ML19038A473, and ML18264A093, respectively.

CONTACT: Jan M. Mazza, Project Manager
NRO/DAR/ARLB
(301) 415-0498

Project No.: 99902046

Enclosures:
1. Agenda
2. List of Attendees

S. Lynch

2

SUBJECT: SUMMARY OF APRIL 9, 2019, CLOSED MEETING WITH THE U.S. NUCLEAR REGULATORY COMMISSION STAFF AND OKLO, INC., TO DISCUSS OKLO, INC. DESIGN OVERVIEW – DATED September 17, 2019

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NRC-002

OFFICE	NRO/DAR	NRO/DAR
NAME	JMazza	SLynch
DATE	09/09/2019	09/17/2019

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AGENDA

Oklo, Inc. Closed Meeting with the U.S. Nuclear Regulatory Commission (NRC)

Oklo Design Overview

Tuesday, April 9, 2019

Three White Flint North 1-C03

Time	Topic	Lead
9:00 a.m. – 9:15 a.m.	Opening/Introductions	NRC/Oklo, Inc.
9:15 a.m. – 9:45 a.m.	Introduction to Oklo	Oklo, Inc.
9:45 a.m. – 10:30 a.m.	Design Dive	Oklo, Inc.
10:30 a.m. 10:40 a.m.	Break	
10:40 a.m. – 11:20 a.m.	DG-1353 Pilot and Safety Case	Oklo, Inc.
11:20 a.m. - 12:00 p.m.	Looking Forward and Conclusion	Oklo, Inc.
12:00 p.m.	Meeting Adjourn	All

ATTENDANCE LIST

Oklo, Inc. Closed Meeting with the U.S. Nuclear Regulatory Commission (NRC)

Oklo Design Overview

Tuesday, April 9, 2019

Three White Flint North 1-C03

Name	Affiliation
Palmrose, Donald	NRC/NRO
Lamb, Taylor	NRC/NRO
Gran, Zachary	NRC/NRO
Mazza, Jan	NRC/NRO
Lee, Pete	NRC/NSIR
Cushing, Jack	NRC/NRO
Doub, Peyton	NRC/NRO
Anderson, Joseph	NRC/NSIR
Sutton, Mallecia	NRC/NRO
Giacinto, Joseph	NRC/NRO
Cheng, Yuan	NRC/NRO
Rivers, Joe	NRC/NSIR
Parsons, Darryl	NRC/NSIR
Monninger, John	NRC/NRO
Diec, David	NRC/NSIR
Hoffman, Ray	NRC/NSIR
Lynch, Steven	NRC/NRO
Travis, Boyce	NRC/NRO
Wertz, Trent	NRC/NRR
Lois, Kosmas	NRC/NRR
Harwell, Shawn	NRC/NRR
Quinlan, Kevin	NRC/NRO
White, Jason	NRC/NRO

Hoellman, Jordan	NRC/NRO
Milligan, Patricia	NRC/NSIR
Taylor, Robert	NRC/NRO
Dudek, Michael	NRC/NRO
Phan, Hahn	NRC/NRO
See, Kenneth	NRC/NRO
Norman, Robert	NRC/NSIR
Barss, Dan	NRC./NSIR
Stirewalt, Gerry	NRC/NRO
Jung, Ian	NRC/NRO
Vokoun, Pat	NRC/NRO
Dority, Dayna	NRC/NRO
Cochran, Caroline	Oklo, INC.
Popova, Alex	Oklo, INC