



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

February 21, 2019

MEMORANDUM TO: John P. Segala, Chief
Advanced Reactor and Policy Branch
Division of Safety Systems, Risk Assessment and
Advanced Reactors
Office of New Reactors

FROM: Jan M. Mazza, Project Manager */RA/*
Advanced Reactor and Policy Branch
Division of Safety Systems, Risk Assessment and
Advanced Reactors
Office of New Reactors

SUBJECT: SUMMARY OF SEPTEMBER 20, 2018, CLOSED MEETING
WITH THE U.S. NUCLEAR REGULATORY COMMISSION
STAFF AND OKLO, INC., TO DISCUSS OKLO, INC., DRAFT
PRINCIPAL DESIGN CRITERIA REPORT

On September 20, 2018, 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 One White Flint North, 11555 Rockville Pike, North Bethesda, Maryland 20852, Room 10-B04. The purpose of this closed meeting was for Oklo personnel to engage the NRC on details of the "Draft Principal Design Criteria Report."

NRC provided Oklo with feedback on the "Draft Principal Design Criteria Report." Much of the discussion focused on features of the Oklo design that are used to contain radionuclides, remove heat, and control reactivity. Oklo used the advanced reactor design criteria (ARDC) as the starting point for developing their principal design criteria (PDC). The NRC staff noted that in general, there was not enough information about the Oklo design available to comment on the applicability of Oklo's proposed PDC. In some cases Oklo asserted that an ARDC was not applicable. The staff noted that many of the ARDCs were written using language like "if needed" or "when required" to encompass situations where a structure, system, or component may not be needed for safety, thus these ARDCs could be applicable to Oklo. The staff also noted that much of the report contained public information and requested that Oklo provide a portion marked version of the report in accordance with 10 CFR 2.390. The NRC provided Oklo a "Oklo PDC Report Comments" matrix table for discussion during the meeting.

On October 11, 2018 Oklo verbally requested to withdraw the Draft Principal Design Criteria Report. The NRC considered this request and responded to Oklo in a letter dated January 8, 2019. The letter stated that Oklo could withdraw the "Draft Principal Design Criteria Report" pursuant to, 10 CFR 2.390 (c)(3), however, the "Oklo PDC Report Comments" matrix that NRC staff provided to Oklo would be retained by the NRC as it is subject to the Federal Records Act and to future Freedom of Information Act (FOIA) requests. Oklo responded to the NRC's letter on January 23, 2019 and provided a both public and non-public version of the NRC staff's "PDC Report Comments" matrix along with a request to withdraw the "Draft Principal Design Criteria Report."

The meeting agenda and list of meeting attendees are included in Enclosures 1 and 2. The Accession Number for the meeting notice and the non-proprietary version of the "PDC Report Comments" matrix, are ML18248A167, and ML19024A010. The Accession Number for the NRC's January 8, 2019 letter to Oklo and the January 23, 2019 Oklo response are ML18353A674, and ML19024A011. These documents are located in the NRC Agencywide Documents Access and Management System (ADAMS). ADAMS is the system that provides text and image files of NRC's public documents. Documents are available electronically at the NRC's Electronic Reading Room at <http://www.nrc.gov/reading-rm/adams.html>. If you do not have access to ADAMS or have problems accessing the documents located in ADAMS, contact the NRC Public Document Room (PDR) staff at (800) 397-4209 or (301) 415-4737, or pdrc@nrc.gov.

CONTACT: Jan M. Mazza, NRO/DSRA
(301) 415-0498

SUMMARY OF SEPTEMBER 20, 2018, CLOSED MEETING WITH THE U.S. NUCLEAR REGULATORY COMMISSION STAFF AND OKLO, INC., TO DISCUSS OKLO, INC. DRAFT PRINCIPAL DESIGN CRITERIA REPORT – February 21, 2019

Docket No.: 99902046

Enclosures:

- 1. Agenda
- 2. List of Attendees

DISTRIBUTION:

Public
JMazza, NRO
JSegala, NRO
RidsNroDsra Resource
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ADAMS ACCESSION No.: ML19050A362

NRC-002

OFFICE	NRO/DSRA	NRO/DSRA
NAME	JMazza	JSegala
DATE	02/21/2019	02/21/2019

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AGENDA

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

DRAFT PRINCIPAL DESIGN CRITERIA REPORT

Thursday September 20, 2018

One White Flint 10-B04

Time	Topic	Lead
10:00am – 10:15am	Opening	NRC
10:15am – 12:00pm	<u>Oklo Design Discussion</u> <ul style="list-style-type: none">• Draft Principal Design Criteria Report Discussion	NRC/ Oklo, Inc.
12:00pm	Meeting Adjourn	All

ATTENDANCE LIST

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

DRAFT PRINCIPAL DESIGN CRITERIA REPORT

Thursday September 20, 2018

One White Flint 10-B04

Name	Affiliation
Bajorek, Steve	NRC/RES
Carpentier, Marcia	NRC/OGC
Hammelman, James	NRC/NMSS
Hart, Michelle	NRC/NRO
Chris VanWert	NRC/NRO
Mazza, Jan	NRC/NRO
Schmidt, Jeffrey	NRC/NRO
Segala, John	NRC/NRO
Amy Cubbage	NRC/NRO
Bill Reckley	NRC/NRO
Bob Fitzpatrick	NRC/NRR
Andrew Yeshnik	NRC/NRO
Niko McMurray	NRC/NRO
Brian Green	NRC/NRO
Ata Istar	NRC/NRO
Marty Stutzke	NRC/NRO
Hahn Phan	NRC/NRO
Joe Ashcraft	NRC/NRO
John Monninger	NRC/NRO
Chang Li	NRC/NRO
Jim Strnisha	NRC/NRO
Tuan Le	NRC/NRO
Cochran, Caroline	Oklo, INC.

DeWitte, Jacob

Oklo, Inc.

Richard, Joshua

Oklo, INC.

Troy Warshel

U.S. DOD

Eric Griesenbrock

U.S. Air Force