



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

August 19, 2020

MEMORANDUM TO: Benjamin Beasley, Chief
Advanced Reactor Licensing Branch
Division of Advanced Reactors and Non-Power Production
and Utilization Facilities
Office of Nuclear Reactor Regulation

FROM: Jan Mazza, Project Manager *Jan Mazza*
Advanced Reactor Licensing Branch
Division of Advanced Reactors and Non-Power Production
and Utilization Facilities
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF AUDIT FOR THE OKLO POWER LLC AURORA
COMBINED LICENSE APPLICATION ACCEPTANCE REVIEW
(EPID NO. L-2020-NEW-0002)

On March 11, 2020 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML20075A000), Oklo Power LLC (Oklo), submitted a combined license (COL) application for the Aurora reactor to the U.S. Nuclear Regulatory Commission (NRC). On April 1, 2020 (ADAMS Accession No. ML20079L202), the NRC issued the Audit Plan for the Oklo Aurora Reactor Combined License Application Acceptance Review. On April 8, 2020, NRC staff held an audit entrance meeting with representatives from Oklo Power, LLC. An audit exit meeting was held on May 27, 2020. The observations from the audit provided input for the acceptance and docketing decision for the Oklo Aurora COL application.

The NRC staff conducted this audit as part of the acceptance review. The purpose of the audit was to verify the existence of detailed calculations, analyses and/or bases underlying the application and to confirm the staff's understanding of the application. The audit was also used to support the staff's insights on the level of effort and resources that will be needed to conduct the review, provide input to the application review schedule, and identify any areas of information insufficiency that may impact the application review. The audit was coordinated with the Environmental Review New Reactor Branch in the Office of Nuclear Material Safety and Safeguards to support the acceptance review of the environmental report submitted with the application.

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Staff from the Office of Nuclear Security and Incident Response and the Office of Nuclear Regulatory Research also participated in the audit. The audit was conducted from April 8, 2020, through May 27, 2020. The Audit Summary Report is enclosed.

Docket No.: 52-0049

Enclosure:
Audit Summary Report

cc: Distribution via List serv

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 COMBINED LICENSE APPLICATION ACCEPTANCE REVIEW
 (EPID NO. L-2020-NEW-0002) :DATED: August 19, 2020

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 Summary (non-public); ML20230A372 Audit Summary (Public) *via e-mail

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