



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

**OKLO AURORA – REGULATORY APPLICABILITY AUDIT PLAN
(EPID NO. L-2020-NEW-0004)**

APPLICANT INFORMATION

Applicant: Oklo Power LLC

Applicant Address: 230 East Caribbean Drive, Sunnyvale, CA 94089

Plant Name(s) and Unit(s): Aurora

Docket No(s).: 52-0049

Background:

By letter dated March 11, 2020 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML20075A000), Oklo Power LLC (Oklo), submitted a combined license (COL) application for one micro-reactor to be located at the Idaho National Laboratory located in Idaho. This proposed plant is to be designated as the Aurora. By letter dated June 5, 2020 (ADAMS Accession No. ML20149K616), the U.S. Nuclear Regulatory Commission (NRC) informed Oklo of its decision to accept the application for docketing and that a two-step approach will be used in order to gain a fulsome understanding of four key safety and design aspects of the licensing basis prior to establishing a schedule for the licensing review. One of those key safety and design aspects is the identification of regulations that are or are not applicable to the Aurora.

Purpose:

The purpose of this audit is for the NRC staff to gain a better understanding of Oklo's position on the applicability of regulations to the Aurora. The NRC staff will audit documentation in support of Part V, Section 2 of the application to determine if any information is needed on the docket and if any requests for additional information are appropriate.

Regulatory Audit Basis:

The bases for the audit are the regulations of Title 10 of the *Code of Federal Regulations* (10 CFR) 52.77, 10 CFR 50.33, 10 CFR 52.79, and 10 CFR 52.80.

Regulatory Audit Scope

This audit will focus on information provided by Oklo on the online reference portal.

Information and Other Material Necessary for the Regulatory Audit

The audit team requests to have available any reports, documents, or references that would support Oklo's determination of non-applicability of regulations for the Aurora.

Team Assignments

Michelle Hayes	Branch Chief, NRR/DANU/UART, responsible for general audit oversight
Tim Lupold	Sr. Mechanical Engineer, NRR/DANU/UART, Audit Lead responsible for audit summary report preparation
Jan Mazza	Project Manager, NRR/DANU/UART, responsible for audit logistics

Additional audit team members may be added as needed.

Logistics

Entrance Meeting	September 28, 2020
Exit Meeting	October 30, 2020, or earlier, Time TBD

Audit meetings take place in a virtual format, using Microsoft Teams, or via other, similar platform. Audit meetings will be scheduled on an as needed basis after the entrance meeting and once the NRC staff has had the opportunity to review any documents placed in the online reference portal. The audit duration is anticipated to be approximately 6 weeks with activities occurring intermittently during that period. Requests for Additional information may be issued after the audit if information is needed on the docket to support determinations in the safety evaluation for the Aurora application.

Special Requests

The NRC staff requests that Oklo have available for the audit meetings, personnel who prepared or are knowledgeable on the basis for Part V, Chapter 2 of the application.

Deliverables

The audit will be completed when staff has a fulsome understanding of the basis for Oklo's determination that certain regulations are not applicable to the Aurora described in Part V, Section 2 of the Aurora application. At the completion of the audit, the audit team will issue an audit summary within 90 days after the exit meeting but will strive for a shorter duration. The audit summary will be declared and entered as an official agency record in ADAMS and be made available for public viewing through the Publicly Available Records component of NRC's ADAMS.

References

Title 10 of the *Code of Federal Regulations*.

If necessary, any circumstances related to the conduct of the audit should be communicated to Jan Mazza (NRC) at 301-415-0498 or by email at Jan.Mazza@nrc.gov.

Date: September 28, 2020

/RA/

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

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**SUBJECT: AURORA – REGULATORY APPLICABILITY AUDIT PLAN
(EPID L-2020-NEW-0004) DATED: SEPTEMBER 28, 2020**

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ADAMS Accession No.: ML20268C255 Package; ML20268C260 Audit Plan * via e-mail

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NAME	TLupold	JMazza	SLent
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NAME	MHayes	BBeasley	
DATE	09/24/2020	09/28/2020	

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