



March 11, 2025

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Oklo Inc.
Submittal of Oklo Inc. “Product-Based Operator Licensing Framework” Topical Report

The purpose of this letter is to submit the Oklo Inc. (Oklo) “Product-Based Operator Licensing Framework” topical report to the U.S. Nuclear Regulatory Commission (NRC).

Oklo is developing a product line of Aurora powerhouses to support a rapidly growing customer base with a variety of end uses. To deliver, Oklo has designed the Aurora to have a robust safety profile and to be able to ensure the health and safety of the public without the reliance on human operators. These intentional design choices result in simple operation of the Aurora, which is fundamental to minimizing the reliance upon, or full elimination of, human involvement to uphold safety. Key Aurora design aspects include the use of fast reactor technology, inherent and passive design features, and the use of automatic controls to the extent possible.

Oklo is intending to be the owner-operator of its powerhouses and plans to deploy at scale via a fleet-based model. Oklo is pursuing licensing operators to the Aurora product line to support nation-wide fleet operations; this approach is an evolution of the operating fleet licensing framework, where operators are licensed to specific units and not products.

Ultimately, this topical report represents a foundation for a modern licensing framework for licensed operators to meet the demand for deployment of powerhouses at scale, complemented by the safety- and security-by-design profile of the Aurora product line. This operator licensing framework supports scalable operations, allowing operators to oversee multiple powerhouses remotely and to move between sites for certain more complex operational activities. This model leverages higher levels of automation and an increased safety profile to enable substantial cost savings, increase reliability, and enhance the feasibility of high volume, rapid deployment.

Oklo requests NRC review and approval of Oklo’s product-based licensed operator framework. The subject topical report contains proprietary information. As such, Oklo requests Enclosure 2 be withheld, in part, from public disclosure pursuant to 10 CFR 2.390. Also enclosed is Oklo’s affidavit attesting to the proprietary nature of this information. Oklo will follow this submittal with a redacted version of this topical report.

If you have any questions or need any additional information, please contact me at ross@oklo.com or (650) 550-0127.



Sincerely,

A handwritten signature in black ink, appearing to read "R Moore", with a stylized flourish at the end.

Ross Moore
Senior Director of Regulatory Affairs
Oklo Inc.

Enclosures: (1) Affidavit and Request for Withholding
(2) "Product-Based Operator Licensing Framework" Topical Report (Proprietary)
(3) "Product-Based Operator Licensing Framework" Topical Report
(Non-proprietary)

CC (with enclosures):

Donna Williams, Senior Project Manager, Division of Advanced Reactors and Non-Power
Production and Utilization Facilities (DANU), Office of Nuclear Reactor Regulation
Joshua Borrromeo, Branch Chief, DANU, Office of Nuclear Reactor Regulation