



June 2, 2023

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
11555 Rockville Pike
Rockville, MD 20852

Subject: Oklo Inc.
"Safety Classification Overview" White Paper

Oklo Inc. (Oklo) is submitting to the U.S. Nuclear Regulatory Commission (NRC) a white paper entitled "Safety Classification Overview," as Enclosure 1 to this letter.

This paper describes Oklo's approach to safety classification for its designs, including how regulatory controls and design bases are developed. Oklo's white paper on safety classification is one paper from a series of white papers that are intended to reach alignment between Oklo and the NRC staff on Oklo's safety classification approach for the purposes of pre-application. Oklo's approach to safety classification was a key topic identified for closure of Step 1 and an open item from the previous NRC staff review of the Aurora combined license application,¹ and it is Oklo's intent to ensure those open questions are discussed and resolved in pre-application. The closure of this topic for the purposes of pre-application is a key step forward to the re-submission of a license application to the NRC.

The development of this safety classification approach is motivated by the unique safety characteristics advanced fission technologies can demonstrate over the existing operating fleet, as well as by the extensive lessons learned from ensuring proper design control for the existing operating fleet. Oklo has the advantage as a modern owner-operator to consider how the licensing basis will be maintained in its operating facilities. Specifically, Oklo is clearly articulating regulatory controls in its future license applications, providing a direct line of sight to what portions of the design must be upheld to maintain its licensing basis.

Oklo looks forward to and is prepared to support the NRC staff in reviewing this white paper. In Enclosure 3, Oklo respectfully requests written feedback following the NRC staff review for future discussion.

Oklo requests that Enclosure 1 and Enclosure 3 be withheld in their entirety from public disclosure pursuant to 10 CFR §2.390, due to including detailed confidential and proprietary business information and strategy.

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 "Ross Moore".

Ross Moore
Director of Regulatory Affairs
Oklo Inc.

¹ Letter from Jan Mazza to Dr. Jacob DeWitte, "Acceptance of the Application for a Combined License Application for the Aurora at Idaho National Laboratory," June 5, 2020 (ML20149K616)



Enclosure: (1) Safety Classification Overview
 (2) Affidavit regarding request for withholding
 (3) Feedback request for "Safety Classification Overview" White Paper

CC (with enclosures):

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

Andrew Proffitt, Acting Branch Chief, Division of Advanced Reactors and Non-Power Utilization Facilities (DANU), Office of Nuclear Reactor Regulation