



April 21, 2023

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

Subject: Oklo Inc.
"Source Term Modeling Overview" White Paper

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

This paper details Oklo's modeling approach for performing source term analysis, including sources of radionuclides produced during operation, modeling tools used in the source term analysis, and experimental data that supports the modeling approaches. Oklo is interested in engaging in pre-application with the NRC staff on this topic to highlight its importance and obtain valuable staff feedback.

Oklo is prepared to support the NRC staff in reviewing this white paper. Oklo respectfully requests written feedback following the review and 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.

Enclosure: (1) Source Term Modeling Overview
(2) Affidavit regarding request for withholding
(3) Feedback request for "Source Term Modeling Overview" White Paper

CC: see next page



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