



October 30, 2020

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852-2738

Subject: Oklo Step 1 RAI responses

As part of the Step 1 application review, Oklo is submitting documentation on accident analysis methodology and RAI responses to the NRC as enclosures to this letter. Please see the below list of enclosures.

If you have any questions or need any additional information, please contact us at [regulatory@oklo.com](mailto:regulatory@oklo.com).

Per the requirements of 10 CFR 50.30(b) regarding oath or affirmation, I declare under penalty of perjury that the information contained in these documents is true and correct to the best of my knowledge and belief upon submission. As the Chief Operating Officer of Oklo Inc. ("Oklo"), I am authorized to make this declaration.

Signed:

Signed electronically by Caroline Cochran

10 / 30 / 2020

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Effective Date

Enclosures:

- (1) Oklo Response to RAI 1 - Aurora Step 1 - Maximum Credible Accident - Enclosure 1 - Response
- (2) Oklo Response to RAI 2 - Aurora Step 1 - Quality Assurance - Enclosure 2 - Response
- (3) Oklo Response to RAI 3 - Aurora Step 1 - Maximum Credible Accident and Heat Transport - Enclosure 3 - Response
- (4) Oklo Response to RAI 4 - Aurora Step 1 - SSC - Enclosure 4 - Response
- (5) Oklo - Maximum Credible Accident Methodology - Enclosure 5 - Summary of Methodology, Rev. 1

Cc:

**Jan Mazza**, Project Manager, Division of Advanced Reactors and Non-Power Utilization Facilities (DANU), Office of Reactor Regulation  
**Benjamin Beasley**, Chief, Division of Advanced Reactors and Non-Power Utilization Facilities (DANU), Office of Reactor Regulation