

## DEEP FISSION, INC

March 12, 2024

United States Nuclear Regulatory Commission  
ATTN: Document Control Desk  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852-2738

SUBJECT: Deep Fission, Inc. Response to NRC Regulatory Issue Summary 2020-02

REFERENCE: NRC Regulatory Issue Summary 2020-02, "Process for Scheduling and Allocating Resources for Fiscal Years 2023-2025 for the Review of New Licensing Applications for Light-Water Reactors and Non-Light-Water Reactors," August 31, 2020 (ML2020A496)

The purpose of this letter is to provide the Deep Fission response to RIS 2020-02 (ML2020A496). This attachment includes the licensing question responses such as the proposed submission of a standard design approval application (SDAA) no later than September 2026 with pre-application engagement beginning in March 2024. Technical question responses on the conceptual design are also provided in the attached response document. The attachment to this letter is titled "Deep Fission Response to NRC Regulatory Issue Summary 2020-02".

As expected, this letter makes no regulatory commitments on behalf of Deep Fission. The company recognizes that this response is voluntary and is submitting this response with the goal of assisting the NRC as it develops the schedule and resources for the review of applications for advanced reactors and small modular reactors over the next three years. Deep Fission will also be submitting a regulatory engagement plan in March 2024 to assist the NRC in its planning and to support a productive start to pre-application engagement.

Please contact Malcolm Thompson, Chief of Staff, at [malcolm.thompson@deepfission.com](mailto:malcolm.thompson@deepfission.com) should you have any questions.

Sincerely,



Dr. Richard Muller  
Chief Executive Officer  
Deep Fission, Inc.