

DEEP FISSION, INC

March 22, 2024

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

SUBJECT: Deep Fission Submission of “Deep Fission Standard Design Approval Regulatory Engagement Plan” Revision 0

REFERENCE: Deep Fission Response to NRC Regulatory Issue Summary 2020-02

The purpose of this letter is to provide the Deep Fission submission of the “Deep Fission Standard Design Approval Regulatory Engagement Plan” Revision 0 for the Nuclear Regulatory Commission (NRC) review. The primary purpose of this Regulatory Engagement Plan (REP) is to reduce regulatory complexity by establishing a plan for future interactions and communication between Deep Fission and the NRC during the pre-application activities. Following the submission of this REP, Deep Fission will request an open meeting with the public and a closed meeting with the NRC staff to discuss this plan and address initial comments or questions.

Deep Fission intends to submit a Standard Design Approval Application (SDAA) no later than September 2026. The company is voluntarily submitting this REP to assist the NRC as it develops an efficient schedule and necessary resources for the review of Deep Fission’s SDAA. Deep Fission began pre-application engagement with an introductory meeting between NRC staff and Deep Fission on February 29th, 2024, followed by Deep Fission’s submission of the “Deep Fission Response to NRC Regulatory Issue Summary 2020-02” on March 12th, 2024.

As expected, this letter makes no regulatory commitments on behalf of Deep Fission. Please contact Malcolm Thompson, Chief of Staff, at malcolm.thompson@deepfission.com with any questions.



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