



deepfission.com  
PO Box 5985  
2705 Webster Street  
Berkeley, CA 94705

April 22, 2026

DF-LIC-LTR-2026-001

Project No. 99902126

Docket ID NRC-2023-0069

ATTN: Document Control Desk

U.S. Nuclear Regulatory Commission

Washington, DC 20555-0001

**Subject:** Submittal of Deep Fission, Inc., White Paper, "Conceptual Design Review of the Gravity Reactor," DF-LIC-WHP-001 Revision 0

**Reference:** 2024-DF-LIC-001, "Deep Fission, Inc. Conceptual Design Review of the Deep Borehole Pressurized Water Reactor (DB-PWR)," ADAMS accession number ML24172A286. Submitted June 14, 2024.

The purpose of this letter is to submit the subject white paper to the U.S. Nuclear Regulatory Commission (NRC). This submittal is intended to enhance the pre-application engagement between Deep Fission, Inc. ("Deep Fission") and the NRC. This subject white paper supersedes the Reference in its entirety.

This letter contains no commitments. If you have any questions or require additional information, please contact John Volkoff at [John.Volkoff@deepfission.com](mailto:John.Volkoff@deepfission.com).

Respectfully,

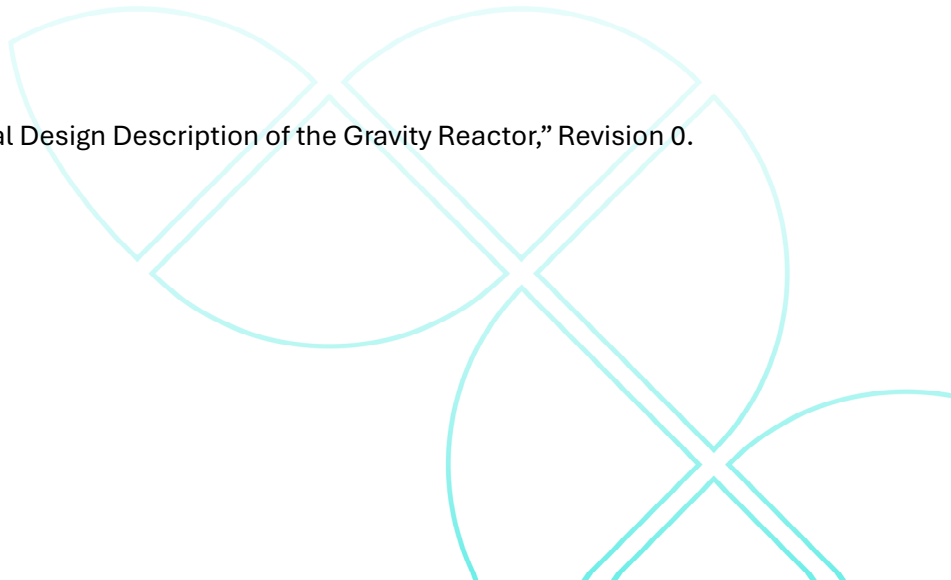
A handwritten signature in black ink that reads "Mark A. Chitty".

Mark Chitty

Licensing Director

Deep Fission, Inc.

**Enclosure:** DF-LIC-WHP-001, "Conceptual Design Description of the Gravity Reactor," Revision 0.





CC (with enclosure)

Deep Fission

Elizabeth Muller

Mike Brasel

Rani Franovich

John Volkoff

Emily Piper

U.S. Nuclear Regulatory Commission

Ricky Vivanco

Prosanta Chowdhury

Mahmoud Jardaneh

Larry Burkhart (ACRS)

U.S. Department of Energy:

Robert Boston

Jeff Fogg

Mark Natale

Trina Ficher

Kansas Department of Health and Environmental Permitting

Kate Gleeson