



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

January 12, 2024

Mr. Robert Iotti, Project Manager
ARC Clean Technology
Suite 900
901 K Street, NW
Washington, DC 20001

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION STAFF FEEDBACK AND
OBSERVATIONS REGARDING ARC CLEAN TECHNOLOGY WHITE PAPER
"SPENT FUEL STORAGE INSIDE THE REACTOR VESSEL," REVISION 0.0
(EPID NO. L-2023-LRO-0054)

Dear Mr. Iotti:

By letter dated June 23, 2023 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML23178A109), ARC Clean Technology (ARC) submitted for the U.S. Nuclear Regulatory Commission (NRC) staff's review a white paper (WP) entitled "Spent Fuel Storage Inside the Reactor Vessel," Revision 0.0. The WP describes ARC's approach for storing spent fuel in the reactor vessel for the ARC-100 facility. The NRC staff was asked to perform a review and provide written feedback and observations on the WP. The NRC staff's feedback and observations are provided in the enclosure to this letter.

If you have any questions regarding this matter, please contact Stephanie Devlin-Gill at 301-415-5301 or via email at Stephanie.Devlin-Gill@nrc.gov.

Sincerely,

/RA/

William Jessup, Chief
Advanced Reactor Licensing Branch 1
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

Project No.: 99902103

Enclosure:
As stated

cc: ARC Clean Technology ARC-100
via GovDelivery

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