



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

August 19, 2024

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

SUBJECT: THE U.S. NUCLEAR REGULATORY COMMISSION STAFF FEEDBACK  
REGARDING ARC CLEAN TECHNOLOGY, INC. "WHITE PAPER ON FUEL  
QUALIFICATION," REVISION 0.0 (EPID NO. L-2023-LRO-0071)

Dear Mr. Iotti:

By letter dated October 12, 2023 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML23285A290), ARC Clean Technology (ARC) submitted for the U.S. Nuclear Regulatory Commission (NRC) staff's review the white paper (WP) entitled "White Paper on Fuel Qualification," Revision 0.0. The WP summarizes ARC's plan to qualify fuel to support operation of the ARC-100 Reactor.

The NRC staff was asked to perform a review of this WP and provide written feedback on the WP. The NRC staff's feedback is provided in the enclosures 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](mailto:Stephanie.Devlin-Gill@nrc.gov).

Sincerely,

/RA/

Josh Borromeo, 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

Enclosures:  
As stated

cc: ARC Clean Technology ARC-100  
via GovDelivery

R. Iotti

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DATED: AUGUST 19, 2024

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**ADAMS Accession Nos.:**

**Package: ML24219A399**

**Letter: ML24219A415**

**Enclosure 1 (Public): ML24219A400**

**Enclosure 2 (Non-Public): ML24219A401**

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