



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

June 29, 2026

The Honorable Shelley Moore Capito
Chairman, Committee on Environment
and Public Works
United States Senate
Washington, DC 20510

Dear Chairman Capito:

On behalf of the U.S. Nuclear Regulatory Commission (NRC), I am submitting the NRC's report on "Development, Qualification, and Licensing of Advanced Nuclear Fuel," as required by Section 404 of the Accelerating Deployment of Versatile, Advanced Nuclear for Clean Energy Act of 2024 (ADVANCE Act). The enclosed report describes the NRC's completed and ongoing actions, as well as potential future actions, taken to enhance the agency's readiness to review, qualify, and license advanced nuclear fuel under Section 404(a). The report includes activities planned and undertaken under the memorandum of understanding with the Department of Energy, an accounting of the areas of research needed with respect to advanced nuclear fuel, and challenges or considerations identified by the Commission.

In preparing this report, the NRC engaged with the Department of Energy, national laboratories, industry, and other stakeholders to ensure a comprehensive and transparent assessment of the agency's activities. The NRC will continue to maintain robust engagement with the public and its partners across Federal, State, and Tribal governments as it carries out its responsibilities under the ADVANCE Act.

Please contact me or have your staff contact Eugene Dacus, Director of the Office of Congressional Affairs, at (301) 415-1776, if you have any questions or need additional information.

Sincerely,

Ho K. Nieh

Enclosure:
As stated

cc: Senator Sheldon Whitehouse

Identical letter sent to:

The Honorable Shelley Moore Capito
Chairman, Committee on Environment
and Public Works
United States Senate
Washington, DC 20510
Cc: Senator Sheldon Whitehouse

The Honorable Brett Guthrie
Chairman, Committee on Energy
and Commerce
United States House of Representatives
Washington, DC 20515
cc: Representative Frank Pallone Jr.