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

October 24, 2024

Mr. John Bolin  
Senior Staff Engineer, Nuclear  
Technologies and Materials Division  
General Atomics – Electromagnetic  
Systems  
16530 Via Esprillo  
San Diego, CA 92127

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION STAFF FEEDBACK REGARDING  
GENERAL ATOMICS ELECTROMAGNETIC SYSTEMS WHITE PAPER: "FAST  
MODULAR REACTOR SOURCE TERM METHODOLOGY" (EPID L-2023-LRO-  
0086)

Dear Mr. Bolin:

By letter dated November 9, 2023 (Agencywide Documents Access and Management System (ADAMS) Accession No.: ML23317A091) General Atomics Electromagnetic Systems (GA-EMS) submitted a white paper (WP) titled, "Fast Modular Reactor Source Term Methodology," (ML23317A093) for the U.S. Nuclear Regulatory Commission (NRC) staff's review. The WP describes the methodology used for radiation source term calculation and analysis results of GA-EMS's helium-cooled fast modular reactor design.

The enclosure to this letter provides the NRC staff's feedback on the November 9, 2023, WP for GA-EMS to consider as part of any future submittal that may address this topic.

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If you have questions regarding this matter, please contact me via email at [Samuel.CuadradoDeJesus@nrc.gov](mailto:Samuel.CuadradoDeJesus@nrc.gov).

Sincerely,

Samuel Cuadrado, Project Manager  
Advanced Reactor Licensing Branch 1  
Division of Advanced Reactors and Non-Power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

Project No.: 99902098

Enclosure:  
As stated

The enclosure to this letter contains proprietary and export-controlled information. When separated from the enclosure, this document is DECONTROLLED.

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SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION STAFF FEEDBACK REGARDING  
GENERAL ATOMICS ELECTROMAGNETIC SYSTEMS WHITE PAPER: “FAST  
MODULAR REACTOR SELECTION OF LICENSING BASIS EVENTS” (EPID L-  
2024-LRO-0007) DATED: OCTOBER 24, 2024

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**ADAMS Accession Nos.:**

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**Letter: ML24277A278**

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**NRR-106**

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