



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

October 04, 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 SAFETY CLASSIFICATION OF STRUCTURES,
SYSTEMS, AND COMPONENTS" (EPID L-2024-LRO-0029)**

Dear Mr. Bolin:

By letter dated June 10, 2024 (Agencywide Documents Access and Management System (ADAMS) Accession No.: ML24162A321) General Atomics Electromagnetic Systems (GA-EMS) submitted a white paper (WP) titled, "Fast Modular Reactor Safety Classification of Structures, Systems, and Components," (ML24162A322) for the U.S. Nuclear Regulatory Commission (NRC) staff's review. The WP describes an overview of the regulations and available guidance that GA-EMS will be using to develop their approach to the process of safety classification of structures, systems, and components applicable to their helium-cooled fast modular reactor design.

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

J. Bolin

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If you have questions regarding this matter, please contact me via email at 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

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AND COMPONENTS," (EPID L-2024-LRO-0029) DATED: OCTOBER 04, 2024

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