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

October 16, 2026

MEMORANDUM TO: Laurel Bauer, Chief

Advanced Reactor Licensing Branch 5
Division of Advanced Reactor
Licensing Office of Advanced Reactors

FROM: Alina Schiller, Project Manager
Advanced Reactor Licensing Branch 5
Division of Advanced Reactor
Licensing Office of Advanced Reactors

Signed by Alina Schiller on 10/16/26

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION STAFF'S SUMMARY OF THE AUGUST 25 - 26, 2026, PUBLIC MEETING WITH JAPAN ATOMIC ENERGY AGENCY TO DISCUSS THREE WHITE PAPERS REGARDING SEISMIC DESIGN METHODOLOGY FOR FLOATING SEISMIC ISOLATION SYSTEM, VALIDATION AND VERIFICATION OF SEISMIC ANALYSIS METHODOLOGY FOR FLOATING SEISMIC ISOLATION SYSTEM PAIRED REACTOR PLANT, AND FLOATING SEISMIC ISOLATION SYSTEM PAIRED REACTOR PLANT PRELIMINARY STANDARD DESIGN INFORMATION

On August 25 - 26, 2026, the U.S. Nuclear Regulatory Commission (NRC) staff conducted a partially closed observation public meeting with the Japan Atomic Energy Agency (JAEA) and its corporate partners, the IHI Corporation, and the JGC Corporation (collectively referred to as the "Consortium"), to discuss three JAEA Consortium white papers (WPs) for its floating seismic isolation system (FSIS).

The Branch Chief of the NRC's Advanced Reactor Licensing Branch 5 provided introductory comments explaining the NRC's recent reorganization, describing the creation of the Office of Advanced Reactors (OAR), and clarifying OAR's role in overseeing activities related to advanced reactor applications.

JAEA Consortium presented an overview of its FSIS technology for small modular reactors (SMRs) and three WPs on: (1) seismic design methodology for FSIS; (2) validation and verification of seismic analysis methodology for FSIS paired reactor (FSIS-R) plant; and 3) FSIS-R plant preliminary standard design information.

JAEA outlined the conceptual design of the passive seismic isolation platform paired with SMRs, highlighting its components and the significant reduction in seismic response due to the isolation technology. The presentation included benefits of FSIS technology. Further, JAEA

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presented the three WPs. JAEA's presentation materials can be found in the Agencywide Documents Access Management System (ADAMS) under Accession No. ML26233A044.

At the conclusion of the open session of the meeting, there was an opportunity for the members of the public to provide comments and ask questions to the NRC staff. There were no comments or questions from the public. The closed meeting sessions were conducted on August 25, 2026, and on August 26, 2026, following the open sessions, to discuss proprietary information material.

The public meeting notice posted on the NRC's public website can be found under ML26222A099. Enclosure 1 and Enclosure 2 to this summary provide the list of the attendees of the meeting and a summary of the closed sessions of the meeting (ML26252A240). Enclosure 2 contains proprietary information and, therefore, is not available to the public.

The JAEA Consortium provided the following documents for the NRC staff's review and feedback.

WP: "Seismic Design Methodology for Floating Seismic Isolation System (FSIS)"	ML26226A223 (public)
WP: "Validation and Verification of Seismic Analysis Methodology for FSIS-R [Paired Reactor] Plant"	ML26226A013 (public)
WP: "FSIS-R Plant Preliminary Standard Design Information"	ML26226A012 (public)

The NRC staff has completed its assessments of the three WPs and identified areas where additional details may be necessary, as outlined in Enclosures 3 and 4 (ML26252A240) to this letter.

Project No.: 99902114

Enclosures:
As stated

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DATED: October 16, 2026

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ADAMS Accession Nos.:
Package: ML26252A240
Memorandum and Enclosure 1: ML26252A231
Enclosure 2: ML26252A233 (Proprietary)
Enclosure 3: ML26252A236
Enclosure 4: ML26252A239 (Proprietary)
e-Concurrence case: 20260915-02414

U.S. NUCLEAR REGULATORY COMMISSION STAFF'S SUMMARY OF THE AUGUST 25 - 26, 2026, PUBLIC MEETING WITH JAPAN ATOMIC ENERGY AGENCY TO DISCUSS THREE WHITE PAPERS REGARDING SEISMIC DESIGN METHODOLOGY FOR FLOATING SEISMIC ISOLATION SYSTEM, VALIDATION AND VERIFICATION OF SEISMIC ANALYSIS METHODOLOGY FOR FLOATING SEISMIC ISOLATION SYSTEM PAIRED REACTOR PLANT, AND FLOATING SEISMIC ISOLATION SYSTEM PAIRED REACTOR PLANT PRELIMINARY STANDARD DESIGN INFORMATION

LIST OF ATTENDEES

August 25 - 26, 2026

Name	Organization
Ayesha Athar	U.S. Nuclear Regulatory Commission (NRC)
Sarah Ayers	NRC
Inseok Baek	NRC
Joseph Bass	NRC
Laurel Bauer	NRC
Christopher Cook	NRC
Paul Cooper	NRC
Bob Crabtree	NRC
Raj Iyengar	NRC
Huan Li	NRC
Mike Mazaika	NRC
Matthew Meyer	NRC
JS Nie	NRC
Alina Schiller	NRC
Madhumita Sircar	NRC
Scott Stovall	NRC
Jadin Swarts	NRC
Travis Tate	NRC
Getachew Tesfaye	NRC
Ian Tseng	NRC
Isaac Walker	NRC
Thomas Weaver	NRC
Xing Yan	Japan Atomic Energy Agency (JAEA)
Taiju Shibata	JAEA Washington DC Office
Michael Scott	Consultant to JAEA

Name	**Organization**
Yasutomi Morimoto	JGC Corporation
Satoru Kai	IHI Corporation
Akihito Otani	IHI Corporation
Takashi Mori	IHI Corporation
Junya Morioka	IHI Corporation

SUBJECT: AUGUST 25-26, 2026, SUMMARY OF PUBLIC MEETING WITH JAPAN ATOMIC ENERGY AGENCY DATED: October 16, 2026

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