



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

November 20, 2023

MEMORANDUM TO: Michael J. Wentzel, Chief
Advanced Reactor Licensing Branch 2
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

FROM: Lucieann Vechioli Feliciano, Project Manager **/RA/**
Advanced Reactor Licensing Branch 2
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE SEPTEMBER 28, 2023, CLOSED MEETING
WITH TERRESTRIAL ENERGY USA REGARDING THE
PRINCIPAL DESIGN CRITERIA TOPICAL REPORT FOR THE
IMSR® STRUCTURES, SYSTEMS, AND COMPONENTS

The U.S. Nuclear Regulatory Commission (NRC) staff held a closed meeting with Terrestrial Energy USA (TEUSA) on September 28, 2023, to discuss the Principal Design Criteria for IMSR® Structures, Systems, and Components Topical Report. The purpose of this meeting was for the NRC staff to ask clarifying questions to support their review of the subject topical report submitted for the NRC staff's review on January 17, 2023 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML23025A066).

The closed meeting notice can be found in ADAMS (ML23236A270). This meeting notice was posted on the NRC public website as a closed meeting because the discussion involved proprietary information and is being withheld from public disclosure. Enclosure 1 provides the list of meeting attendees. Enclosure 2 provides the questions and feedback that were shared with TEUSA, and a summary of the meeting discussion.

Project No. 99902076

Enclosures: As stated

Enclosure 2 to this memorandum contains proprietary information. When separated from the Enclosure(s), this memo is DECONTROLLED.

CONTACT: Lucieann Vechioli Feliciano NRR/DANU/UAL2
(301) 415-6035

SUBJECT: SUMMARY OF THE SEPTEMBER 28, 2023, CLOSED MEETING WITH TERRESTRIAL ENERGY USA REGARDING THE PRINCIPAL DESIGN CRITERIA TOPICAL REPORT FOR THE IMSR® STRUCTURES, SYSTEMS, AND COMPONENTS DATED: NOVEMBER 20, 2023

DISTRIBUTION:

Public (Letter and Enclosure 1 only)
L Vechioli, NRR
M Wentzel, NRR
B Travis, NRR
G Oberson, NRR
M Gordon, NRR
H Phan, NRR
J Aschraft, NRR

B Adams, NRR
C Smith, NRR
L Kingsbury, NRR
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RidsNrrDanuUal 2 Resource

ADAMS Accession Nos.:

Package: ML23303A179

Meeting Summary: ML23303A188

Enclosure 2: ML23303A187

NRC-001

OFFICE	NRR/DANU/UAL2:PM	NRR/DANU/UAL2:LA	NRR/DANU/UAL2:PM	NRR/DANU/UAL2:PM
NAME	L Vechioli	C Smith	M Wentzel	L Vechioli
DATE	10/30/2023	11/16/2023	11/20/23	11/20/23

OFFICIAL RECORD COPY

List of Attendees

CLOSED MEETING WITH TERRESTRIAL ENERGY USA REGARDING THE PRINCIPAL DESIGN CRITERIA TOPICAL REPORT FOR IMSR® STRUCTURES, SYSTEMS, AND COMPONENTS

September 28, 2023

<u>Name</u>	<u>Organization</u>
Lucieann Vechioli	U.S. Nuclear Regulatory Commission (NRC)
Boyce Travis	NRC
Ben Adams	NRC
Lance Kingsbury	NRC
Matthew Gordon	NRC
Michael Wentzel	NRC
Greg Oberson	NRC
Hahn Phan	NRC
Joseph Ashcraft	NRC
Richard Stattel	NRC
Dinesh Taneja	NRC
Reed Anzalone	NRC
Ron Robinson	Terrestrial Energy (TEI)
David Leblanc	TEI
Bill Smith	TEI
Beth Vary	TEI
Colin Gibb	TEI
Robert Ion	TEI
Ziping Li	TEI
Darren Love	TEI
Robin Rickman	TEI
Daniel Carleton	Terrestrial Energy USA
Frank Akstulewicz	Terrestrial Energy USA