



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

May 4, 2021

Mr. Simon Irish
Chief Executive Officer
Terrestrial Energy USA, Inc.
537 Steamboat Road, Suite 200
Greenwich, CT 06830

**SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION FEEDBACK REGARDING
TERRESTRIAL ENERGY'S PLANNED STANDARD DESIGN APPLICATION
STRUCTURE AND CONTENT (EPID NO. L-2021-LRM-0009)**

Dear Mr. Irish:

By letter dated December 14, 2020 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21014A351), Terrestrial Energy USA (TEUSA), submitted a presentation titled "Structure and Content of TEUSA SDA [Standard Design Approval] Application," and a document titled "Applicability Assessment – Comparison of Content Requirements of 52.137 and IMSR® Core-unit." These proprietary documents were submitted to support a closed meeting with the NRC held on December 16, 2020 (ADAMS Accession No. ML21036A335), to discuss an outline of the content and structure that TEUSA envisions for its future SDA application. The NRC staff is providing feedback on the information provided by TEUSA in these documents. The proprietary and non-proprietary versions of the document containing NRC staff's feedback are in Enclosures 1 and 2, respectively.

If you have any questions about this matter, please contact Adrian Muñoz at (301) 415-4093 or by e-mail at Adrian.Muniz@nrc.gov.

Sincerely,

Benjamin G. Beasley, Chief
Advanced Reactor Licensing Branch
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

Project No.: 99902076

Enclosures:
As stated

Enclosure 1 to this letter contains Proprietary information. When separated from the Enclosure 1, this document is DECONTROLLED.
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S. Iris

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DATED: May 4, 2021

DISTRIBUTION:

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Public (Letter and Enclosure 2 only)

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ADAMS Accession Nos.:

Package: ML21081A229

Cover Letter: ML21081A226 (Public)

Enclosure 1: ML21081A247 (Non-Public)

Enclosure 2: ML21081A287 (Redacted- Public)

NRR-106

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NAME	AMuniz	SLent	MHayes	KRoach	BBeasley
DATE	03/22/2021	03/22/2021	04/29/2021	04/26/2021	05/04/2021

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