



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

April 20, 2022

Mr. Ryan Sprengel, Manager
License Application Development
TerraPower, LLC
15800 Northup Way
Bellevue, WA 98008

SUBJECT: TERRAPOWER, LLC - APPROVAL OF SAFEGUARDS INFORMATION
SECURITY PROGRAM

Dear Mr. Sprengel:

By letter dated July 9, 2021 (Agencywide Documents Access and Management Systems (ADAMS) Accession Number ML21190A192), TerraPower submitted TP-REG-POL-0001, Revision 1, "TerraPower Safeguards Information Security Program." By letter dated March 21, 2022 (ADAMS Accession Number ML22080A192), TerraPower submitted a revised safeguards information (SGI) security program TP-REG-POL-0001, Revision 2A, "TerraPower Safeguards Information Security Program." The March 21, 2022, letter requested NRC staff review and approval of the revised SGI security program. The purpose of the SGI security program is to establish and provide adequate protection of SGI related to the development of the Sodium reactor and integrated energy system.

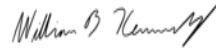
On January 11, 2022, the U.S. Nuclear Regulatory Commission (NRC) staff visited your facility to review TP-REG-POL-0001, Revision 2A, to verify that the program can adequately process and store SGI at its facility. The site visit consisted of an inspection of the TerraPower facility located in Bellevue, Washington. While onsite, the NRC staff reviewed, TP-REG-POL-0001, Revision 2A, and conducted performance testing and interviews with TerraPower personnel to ensure that the program for the protection of SGI is adequate and effectively implements the appropriate regulatory requirements in Title 10 of the *Code of Federal Regulations* (10 CFR) Section 73.21, "Protection of Safeguards Information: Performance requirements," and 10 CFR 73.22, "Protection of Safeguards Information: Specific requirements."

Based upon the NRC staff's review of TP-REG-POL-0001, Revision 2A, and site visit, the NRC staff has determined that TerraPower employees have the requisite knowledge, skills, and equipment to effectively implement the program to adequately protect SGI.

In accordance with 10 CFR 2.390, "Public inspections, exemptions, requests for withholding," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room, and in ADAMS. The ADAMS database is accessible from the NRC's Web Site at <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions about this matter, please contact Mallecia Sutton at 301-415-0673 or via e-mail at Mallecia.Sutton@nrc.gov.

Sincerely,

A handwritten signature in dark ink, appearing to read "William B. Kennedy".

Signed by Kennedy, William
on 04/20/22

William B. Kennedy, Acting Chief
Advanced Reactor Licensing Branch 1
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

Project No.: 99902100

Enclosure:
As stated

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SECURITY PROGRAM DATED: APRIL 20, 2022

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DGreene, NRR

CSmith, NRR

WKennedy, NRR

MSutton, NRR

BStapleton, NSIR

DParsons, NSIR

jnikola@terrapower.comtneider@terrapower.com

gwilson@terrapower.com

ADAMS Accession No. ML22028A094**NRR-106**

OFFICE	NRR/DANU/UAL1/PM	NRR/DANU/UAL1/LA	NRR/DANU/UAL1/BC
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DATE	2/1/2022	3/24/2022	4/20/2022

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