



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

June 13, 2022

MEMORANDUM TO: 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

FROM: Mallecia A. Sutton, Senior Project Manager *Mallecia Sutton* Signed by Sutton, Mallecia
Advanced Reactor Licensing Branch 1 on 06/13/22
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MARCH 15, 2022, AND APRIL 7, 2022, CLOSED
MEETINGS WITH TERRAPOWER, LLC TO DISCUSS THE
HUMAN FACTORS ENGINEERING FOR THE NATRIUM
REACTOR (EPID NO. L-2021-LRM-0071)

On March 15, 2022, the U.S. Nuclear Regulatory Commission (NRC) staff held a closed videoconference meeting with TerraPower, LLC (TerraPower) to provide the NRC staff with an overview of the human factors engineering for the Natrium Reactor. The meeting was continued on April 7, 2022. The presentation slides can be found in the NRC's Agencywide Documents Access and Management System (ADAMS) at Accession No. ML22074A221. Participants included personnel from the NRC staff, TerraPower, General Electric Hitachi, Bechtel, and Duke Energy.

The public meeting notice for the March 15, 2022, meeting, dated February 17, 2022, can be found at ML22049A028. The public meeting notice for the April 7, 2022, meeting, dated April 4, 2022, can be found at ML22095A003. The Enclosure provides the list of meeting attendees.

The NRC staff began the meeting with an introduction and explanation of logistical information. During the meeting, TerraPower provided the NRC staff with an overview of the human factors engineering for the Natrium Reactor, including the human factors engineering program scope and elements. The NRC staff asked questions about the information presented and TerraPower representatives responded. Finally, the TerraPower representatives and the NRC staff discussed next steps for future pre-application activities.

Project No. 99902100

Enclosure:
List of Attendees

CONTACT: Mallecia Sutton, NRR/DANU
301-415-0673

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DATED: JUNE 13, 2022

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MSutton, NRR

KWagner, NRR

WKennedy, NRR

DGreene, NRR

CSmith, NRR

ASiwy, NRR

JSeymour, NRR

DDesaulniers, NRR

BGreen, NRR

SPhilpott, NRR

ADAMS Accession No.: ML22144A415**NRR-106**

OFFICE	NRR/DANU/UAL1/PM	NRR/DANU/UAL1/PM	NRR/DANU/UAL1/LA
NAME	KWagner	MSutton	DGreene
DATE	5/27/2022	6/8/2022	6/10/2022
OFFICE	NRR/DANU/UAL1/BC(A)	NRR/DANU/UAL1/PM	
NAME	WKennedy	MSutton	
DATE	6/10/2022	6/13/2022	

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List of Attendees

Closed Meeting with TerraPower, LLC to Discuss the Human Factors Engineering for the Sodium Reactor

Tuesday, March 15, 2022, 1:00 p.m. – 2:00 p.m. and

Thursday, April 7, 2022, 1:00 p.m. – 2:00 p.m.

<u>Name</u>	<u>Organization</u>
Mallecia Sutton	U.S. Nuclear Regulatory Commission (NRC)
William Kennedy	NRC
Steve Philpott	NRC
Brian Green	NRC
David Desaulniers	NRC
Katherine Wagner	NRC
Alex Siwy	NRC
Jesse Seymour	NRC
Eric Williams	TerraPower, LLC (TerraPower)
Benoit Dionne	TerraPower
Mark Werner	TerraPower
Ryan Sprengel	TerraPower
Nick Kellenberger	TerraPower
Erin Wisler	TerraPower
Mike Montecalvo	TerraPower
Jeff Grogan	General Electric Hitachi (GEH)
Lisa Schichlein	GEH
Stephanie Foerster	GEH
Denise Brooks	GEH
Steve Kline	Bechtel
Chris Nolan	Duke Energy