



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

September 29, 2022

MEMORANDUM TO: William Jessup, Chief
Advanced Reactor Licensing Branch 1
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

Mallecia Sutton

Signed by Sutton, Mallecia
on 09/29/22

FROM: Mallecia A. Sutton, Senior Project Manager
Advanced Reactor Licensing Branch 1
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE MAY 23-25, 2022, CLOSED PRE-
APPLICATION PUBLIC MEETING BETWEEN TERRAPOWER,
LLC AND THE U.S. NUCLEAR REGULATORY COMMISSION
STAFF TO DISCUSS AN OVERVIEW OF THE NATRIUM
REACTOR (EPID NO. L-2021-LRM-0071)

On May 23-25, 2022, a closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives from TerraPower, LLC (TerraPower). The meeting was held at 5701 Marinelli Road, North Bethesda, Maryland. The purpose of this closed meeting was for TerraPower to provide the NRC staff with an overview of the Natrium design. Participants included representatives from the NRC, TerraPower, and the U.S. Department of Energy. The meeting notice is available at Agencywide Document Access and Management System (ADAMS) Accession No. ML22137A017. The Enclosure provides the list of meeting attendees.

The NRC staff began the meeting with an introduction and explained that the meeting would be closed due to the discussion of proprietary information. During the meeting, TerraPower provided the NRC staff with an overview of the Natrium design to include the inherent safety features that TerraPower plans to rely on for the safety case for the Natrium Reactor. 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

SUBJECT: SUMMARY OF THE MAY 23-25, 2022, CLOSED PRE-APPLICATION PUBLIC MEETING BETWEEN TERRAPOWER, LLC AND THE U.S. NUCLEAR REGULATORY COMMISSION STAFF TO DISCUSS AN OVERVIEW OF THE NATRIUM REACTOR (EPID NO. L-2021-LRM-0071)
DATED: SEPTEMBER 29, 2022

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JSegala, NRR	HPhan, NRR
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WJessup, NRR	JRobinson, NRR
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CCheung, NRR	SVitto, NSIR
SPhilpott, NRR	CTeal, NSIR
KQuinlan, NRR	DPalmrose, NMSS
RCostello, NSIR	PVokoun, NMSS
DGreene, NRR	
CSmith, NRR	

ADAMS Accession No.: ML22244A243**NRC-001**

OFFICE	NRR/DANU/UAL1:PM	NRR/DANU/UAL1:PM	NRR/DANU/UAL1:LA
NAME	KWagner	MSutton	DGreene
DATE	9/9/2022	9/21/2022	9/26/2022
OFFICE	NRR/DANU/UAL1:BC	NRR/DANU/UAL1:PM	
NAME	WJessup (GOberson for)	MSutton	
DATE	9/28/2022	9/29/2022	

OFFICIAL RECORD COPY

List of Attendees

Closed Meeting with TerraPower, LLC to Discuss an Overview of the Sodium Reactor

Monday, May 23, 2022, 8:30 a.m. – 3:00 p.m.,

Tuesday, May 24, 2022, 8:30 a.m. – 3:00 p.m., and

Wednesday, May 25, 2022, 8:30 a.m. – 11:30 a.m.

<u>Name</u>	<u>Organization</u>
Mallecia Sutton	U.S. Nuclear Regulatory Commission (NRC)
Robert Taylor	NRC
Mike King	NRC
Mohamed Shams	NRC
Jeremy Bowen	NRC
John Segala	NRC
Chris Miller	NRC
Steve Ruffin	NRC
Mike Franovich	NRC
John Tappert	NRC
Susan Vrahoretis	NRC
Michael Spencer	NRC
Todd Smith	NRC
William Jessup	NRC
William Kennedy	NRC
Michelle Hayes	NRC
Candace de Messieres	NRC
Steve Philpott	NRC
Kevin Quinlan	NRC
Brian Green	NRC
David Desaulniers	NRC
Katherine Wagner	NRC
Courtney Banks	NRC
Alex Siwy	NRC
Reed Anzalone	NRC
Michelle Hart	NRC
Hanh Phan	NRC
Jason Schaperow	NRC
Meg Audrain	NRC
Steven Jones	NRC
Vijay Goel	NRC

Ian Tseng	NRC
John Parillo	NRC
Bill Rautzen	NRC
Jay Robinson	NRC
Jesse Seymour	NRC
Adakou Foli	NRC
Calvin Cheung	NRC
Steve Vitto	NRC
Charles Teal	NRC
Ralph Costello	NRC
Donald Palmrose	NRC
Patricia Vokoun	NRC
Eric Williams	TerraPower
George Wilson	TerraPower
Mark Werner	TerraPower
Ryan Sprengel	TerraPower
Barry Westreich	TerraPower
Ian Gifford	TerraPower
Mike Montecalvo	TerraPower
Jeffrey Ciocco	U.S. Department of Energy