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

November 29, 2021

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

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

Mallecia Sutton Signed by Sutton, Mall on 11/29/21

SUBJECT: SUMMARY OF THE AUGUST 31, 2021, PUBLIC MEETING WITH TERRAPOWER, LLC TO DISCUSS THE ENGINEERING COMPUTER CODES FOR THE NATRIUM REACTOR DESIGN

On August 31, 2021, the U.S. Nuclear Regulatory Commission (NRC) staff held an observation public meeting with TerraPower, LLC (TerraPower) to discuss its Engineering Computer Codes for the Natrium Reactor design. Participants included personnel from the NRC, Terrapower, General Electric Hitatchi, Bechtel, PacifiCorp and members of the public.

The public meeting notice, dated August 31, 2021, can be found in the Agencywide Documents Access and Management System (ADAMS) under accession number ML21243A277. The meeting notice was also posted on the NRC's public website. The presentation slides can be found in ADAMS under accession number ML21239A164. The list of meeting attendees is provided as an enclosure.

The NRC staff began the public meeting with an introduction and pertaining logistical information. The NRC staff explained that the meeting was an observation meeting and that TerraPower representatives would provide the NRC staff with an overview of any expected Natrium engineering computer codes. The NRC staff also explained that a portion of the meeting would be closed to the public. During the public portion of the meeting, TerraPower discussed the engineering computer programs selection basis and the methodology maturation elements. At the end of the presentation, the public had an opportunity to ask questions. The NRC staff asked for feedback, concerns, and any improvements that can be made to the public meeting process, at the closure of the meeting.

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During the closed portion of the meeting, TerraPower representatives and the NRC staff discussed the engineering computer programs selection basis and the methodology maturation elements including the analytical approaches developed and used by TerraPower as well as the processes that are being put in place to support the maturation of methodologies for the Natrium design. The meeting concluded with a discussion for future pre-application engagement activities regarding the Natrium design.

Enclosure:
List of Attendees

SUBJECT: SUMMARY OF THE AUGUST 31, 2021, PUBLIC MEETING WITH TERRAPOWER, LLC TO DISCUSS THE ENGINEERING COMPUTER CODES FOR THE NATRIUM REACTOR DESIGN
DATED: NOVEMBER 29, 2021

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MHart, NRR
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IMadni, NRR

ADAMS Accession No.: ML21285A284 **NRR-106**

OFFICE	NRR/DANU/UARL:PM	NRR/DANU/UARL:LA	NRR/DANU/UARL:BC(A)	NRR/DANU/UARL:PM
NAME	MSutton	CSmith	WKennedy	MSutton
DATE	10/6/2021	11/23/2021	11/29/2021	11/29/2021

OFFICIAL RECORD COPY

List of Attendees

Tuesday, August 31, 2021
1:00 p.m. – 4:00 p.m.

List of Attendees	
Name	**Organization**
Mallecia Sutton	U.S. Nuclear Regulatory Commission (NRC)
William Kennedy	NRC
Hanh Phan	NRC
Timothy Drzewiecki	NRC
Alexandra Siwy	NRC
Michael Orenak	NRC
Michelle Hart	NRC
Patricia Vokoun	NRC
Daniel Barnhurst	NRC
Ben Adams	NRC
Michael Spencer	NRC
Imtiaz Madni	NRC
Ryan Sprengel	TerraPower, LLC (TerraPower)
Benoit Dionne	TerraPower
Eric Williams	TerraPower
Tara Neider	TerraPower
Ian Gifford	TerraPower
Tom Reeves	TerraPower
Rob Corbin	TerraPower
Bassem El-Dasher	TerraPower
Lisa Schichlein	General Electric Hitachi (GEH)
Eddie Riffle	GEH
Dennis Brooks	GEH
George Wadkins	GEH
Maria Pfeffer	GEH
Scott Pfeffer	GEH
Archad Kahn	GEH
Derek Bass	GEH
Russ Stacchowski	GEH
Steven Kline	Bechtel
Altheia Wyche	Bechtel
Lynn Van-Derpoel	Bechtel
Bob VanEngelenhoven	PacifiCorp
Andrew Bielen	Public Citizen

Enclosure

Steven Pope	Public Citizen
Lisa Matis	Public Citizen
Juris Jauntirans	Public Citizen
Andrew Bielen	Public Citizen
Mitchell Lottie	Public Citizen
Frank Hope	Public Citizen