



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

March 29, 2022

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

A handwritten signature in cursive script that reads "Mallecia Sutton".

Signed by Sutton, Mallecia
on 03/29/22

SUBJECT: SUMMARY OF THE OCTOBER 12, 2021, PRE-APPLICATION
PUBLIC MEETING WITH TERRAPOWER, LLC TO DISCUSS
THE STRUCTURES, SYSTEMS AND COMPONENTS
CLASSIFICATION FOR THE NATRIUM REACTOR DESIGN
(EPID: L-2021-LRM-0071)

On October 12, 2021, the U.S. Nuclear Regulatory Commission (NRC) staff held an observation public meeting with TerraPower, LLC (TerraPower) to discuss its structures, systems, and components (SSC) classification methodology for the Natrium Reactor design. Participants included NRC staff; representatives of Terrapower, General Electric Hitachi, Bechtel, and PacifiCorp; and members of the public.

TerraPower provided an overview of its approach to classification of SSCs and defense-in-depth. The overview included the codes and quality standards to which TerraPower intends to design, fabricate, erect, and test the SSCs.

The public meeting notice, dated September 28, 2021, is in the NRC's Agencywide Documents Access and Management System (ADAMS) under accession number ML21280A038. The NRC staff also posted the meeting notice on the NRC's public website. The presentation slides are in ADAMS under accession number ML21279A331. The enclosure to this memorandum provides the list of meeting attendees.

The NRC staff began the public meeting with an introduction and logistical information. The NRC staff explained that the meeting was an observation meeting for TerraPower representatives to provide the NRC staff with an overview of any expected Natrium engineering computer codes. During the meeting, TerraPower discussed the safety classification of each

CONTACT: Mallecia Sutton, NRR/DANU
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SSC and how the classifications will be used to determine the level of quality assurance and any special treatments that it will apply to each SSC. At the end of the presentation, the NRC staff provided the public an opportunity to ask questions. Finally, the NRC staff asked for feedback, concerns, and any improvements that can be made to the public meeting process.

Enclosure:
List of Attendees

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SUBJECT: SUMMARY OF THE OCTOBER 12, 2021, PRE-APPLICATION PUBLIC MEETING WITH TERRAPOWER, LLC TO DISCUSS THE STRUCTURES, SYSTEMS AND COMPONENTS CLASSIFICATION FOR THE NATRIUM REACTOR DESIGN (EPID: L-2021-LRM-0071)
DATED: MARCH 29, 2022

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NAME	MSutton	CSmith	WKennedy	MSutton
DATE	1/10/2022	1/26/2022	3/16/2022	3/29/2022

OFFICIAL RECORD COPY

Pre-Application Public Meeting with Terrapower, LLC To Discuss the Structures, Systems and Components Classification for the Sodium Reactor Design

List of Attendees

Tuesday, October 12, 2021
1:00 p.m. – 4:00 p.m.

<u>Name</u>	<u>Organization</u>
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)
Ian Gifford	TerraPower
Bryan Eysers	TerraPower
Tara Neider	TerraPower
Brian Johnson	TerraPower
Benoit Dionne	TerraPower
Seth Kruger	TerraPower
Chris Dayton	TerraPower
Lisa Schichlein	General Electric Hitachi (GEH)
Chris Robinson	GEH
Shelby Small	GEH
George Honma	GEH
Dennis Henneke	GEH
Altheia Wyche	Bechtel
Lynn Van-Derpoel	Bechtel
Chuck Tack	PacifiCorp
Carla Dwight	Public Citizen
Dolley Steven	Public Citizen
Rob Burg	Public Citizen
Jason A. Christensen	Public Citizen
Nancy Kelly	Public Citizen

Enclosure

<u>Name</u>	<u>Organization</u>
Chris Dayton	Public Citizen
Steven Hope	Public Citizen
Andrew Zach	Public Citizen
Lisa Matis	Public Citizen
Christopher P. Chwasz	Public Citizen
Thomas Eiden	Public Citizen
Frank Hope	Public Citizen
Michael Grochowski	Public Citizen
Edwin Lyman	Public Citizen
Shannon Anderson	Public Citizen
Sola Talabi	Public Citizen
Jordan Hagaman	Public Citizen