



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

February 29, 2024

LICENSEE: ENERGY SOLUTIONS, LLC

FACILITY: THREE MILE ISLAND STATION, UNIT 2

SUBJECT: SUMMARY OF FEBRUARY 13, 2024, ENERGY SOLUTIONS MEETING  
ON THREE MILE ISLAND STATION, UNIT-2 DECOMMISSIONING WITH  
THE NUCLEAR REGULATORY COMMISSION

At the request of Energy Solutions, LLC (ES or the licensee), the U.S. Nuclear Regulatory Commission (NRC) met with licensee on February 13, 2024. The purpose of the meeting was for the licensee to discuss decommissioning activities and challenges at Three Mile Island Station, Unit 2 (TMI-2). Also, the licensee wanted to present recent proprietary new technology for potential use at TMI-2. This portion of the meeting was closed. The meeting notice and agenda can be found at Agencywide Documents and Management System (ADAMS) Accession No. [ML24040A164](#).

No regulatory decisions were made during the meeting.

The meeting began with opening remarks by the NRC and ES management, followed by introductions of the attendees. A list of attendees is enclosed. The licensee's presentation, found in under ADAMS Accession No. [ML24040A072](#), and covered the following:

- Introduced its management team and commitment to safety; reviewed its decommissioning experience; and provided a brief history of TMI-2 activities;
- Stressed that it participates in the TMI-2 Decommissioning Citizens Advisory Panel (DCAP) activities to inform the community about the TMI-2 decommissioning;
- Provided an overview of its radiation protection reactor building characterization and validation of levels of radioactivity from the initial clean-up;
- Provided a summary of the types of radiation protection needed for the current stage of decommissioning;
- Stated that it is important to perform mock ups, proof of concept, and validation of new methods to ensure safety and effectiveness in addressing the unique levels of radioactivity presently at TMI-2 due to residual radioactivity remaining after the initial accident clean-up;
- Summarized its planned phases and duration of decommissioning;
- Discussed the unique challenges specific to TMI-2 as presented on page 19 of its presentation slides;
- Reviewed how it is exploring robotics and training to address the needed remote decommissioning activities in the reactor building basement and other areas of the plant where accident flooding occurred;
- Provided a summary of waste shipments to date and projected for remainder of

- FY24;
- Emphasized that due to the unique project challenges (page 27 of slide presentation) (schedule challenges, procurement, hiring talent, and technology), there would be the possibility of the need to adjust schedule and be mindful of decommissioning trust fund costs required to complete decommissioning;
- Committed to keep NRC informed early and often regarding such adjustments;
- Reviewed with the NRC how it is leveraging new technologies (presentation slides 28-32); and
- Stated that the focus of the new technology is to assist in its decommissioning strategy for waste minimization and As Low As Reasonably Achievable radiological protection.

The NRC asked whether the information presented would be consistent with the updated Post Shutdown Decommissioning Activities Report (PSDAR) update that is due by the end of March 2024. ES stated yes, except there will be an approximate 3-year gap between phase 1b and Phase 2.

The NRC staff provided an opportunity for members of the public to ask question of the NRC staff on the topics discussed in the public portion of meeting. Mr. Rich Janti, representing the Pennsylvania Department of Environmental Health and Safety, commented on the 3-year gap that would be shown in the update to the PSDAR that is scheduled to be submitted at the end of March 2024. He indicated that he was concerned about what would be accomplished regarding decommissioning during this period, including the available decommissioning trust fund, as well as how ES would be able to maintain staff during this period. The NRC responded that it would evaluate the update when it is submitted.

Mr. Eric Epstein, Three Mile Island Alert, Inc, asked how will ES be paying for the spent fuel casks that it need? He also stated that during a previous license amendment hearing last year, he was involved in a hearing contention and informed the NRC has part of his testimony he commented that ES plans to transfer several casks to TMI-1. The NRC replied that this topic was not part of the meeting agenda but noted that the NRC recently evaluated the Debris Management Plan at TMI-2 and replied in a letter that it does not object to ES plans to use the decommissioning trust fund to clean-up the TMI-2 fuel bearing debris to include construction of the pad where such debris will be temporarily stored. Also, NRC stated that it plans to review the PSDAR update that is due the end of March and will evaluate the schedule and costs. Mr. Epstein also inquired about the relationship between TMI-2 and TMI-1, specifically how the licensee's work in concert with one another.

The NRC thanked ES for providing an overview of the decommissioning activities at TMI-2 and was transparent regarding the decommissioning challenges at a unique facility. The Project Manager remarked that the summary was beneficial to the technical staff. She commented that the summary presentation was very similar to that presented at one of the recent TMI-2 DCAP. These meetings are usually attended by the NRC Project Manager and lead inspector, and she concluded that it was good that NRC staff and external stakeholders had a firsthand opportunity today to listen and ask questions.

The public portion of the meeting was adjourned after closing statements. The closed portion then commenced where ES reviewed with the NRC staff its proprietary clean-up testing studies and validation plans.

Please direct any inquiries to me at (301) 415-6822 or [Amy.Snyder@nrc.gov](mailto:Amy.Snyder@nrc.gov).

 Signed by Snyder, Amy  
on 02/29/24

Amy M. Snyder, Senior Project Manager  
Reactor Decommissioning Branch  
Division of Decommissioning, Uranium  
Recovery and Waste Programs  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 50-0320  
Enclosure: List of Attendees

**LIST OF ATTENDEES**

**ON THE FEBRUARY 13, 2024, PUBLIC MEETING**

**ENERGY SOLUTIONS, LLC**

**THREE MILE ISLAND STATION, UNIT 2 DECOMMISSIONING**

<u><b>Name</b></u>	<u><b>Affiliation</b></u>
Robert Lewis	U.S Nuclear Regulatory Commission (NRC)
Jane Marshall	NRC
John Moses	NRC
Shaun Anderson	NRC
Christopher McKenney	NRC
Bruce Watson	NRC
Robert Sun	NRC
Amy Snyder	NRC
Greg Chapman	NRC
Kathryn Robertson-Demers	NRC
Nate Fuget	NRC
Stacey Imboden	NRC
Jean Trefethen	NRC
Stephen Hamman	NRC
Katherine Warner	NRC
Harry Anastopoulos	NRC
Dave McIntrye	NRC
Diane Screnci	NRC
Neil Sheenan	NRC
Jeff Richardson	ES, <a href="mailto:cjrichardson@energysolutions.com">cjrichardson@energysolutions.com</a>
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John Sauger	ES, <a href="mailto:jtsauger@energysolutions.com">jtsauger@energysolutions.com</a>
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Hannah Pell (Virtual)	ES, <a href="mailto:hannahpell@energysolutions.com">hannahpell@energysolutions.com</a>
Mark Cambra (Virtual)	ES, <a href="mailto:mecambra@energysolutions.com">mecambra@energysolutions.com</a>
Barb Dotson (Virtual)	ES, <a href="mailto:bedotson@energysolutions.com">bedotson@energysolutions.com</a>
David Allard	Vice-Chair, TMI-2 Decommissioning Citizens Advisory Panel
David Blechertas	TMI-2 Decommissioning Citizens Advisory Panel Member
Bryan Werner	EP Program Manager, Pennsylvania Environmental Protection
Rich Janati	Contractor, Pennsylvania Department of Environmental Protection
Eric Epstein	Three Mile Island Alert, Inc.
Members of the Public	

THREE MILE ISLAND STATION, UNIT 2 – FEB 13 MEETING SUMMARY, ENERGY SOLUTIONS TMI-2  
 DECOMMISSIONING OVERVIEW WITH NRC DATE February 29, 2024

DISTRIBUTION:

**ADAMS Accession No.: ML24051A193; ML24051A193**

**\* via email**

OFFICE	NMSS/DUWP/RDB*	NMSS/DUWP/RDB	NMSS/DUWP/RDB	
NAME	ASnyder AS	SAnderson SA	ASnyder AS	
DATE	Feb 28, 2024	Feb 28, 2024	Feb 29, 2024	

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