



## TMI-2 Community Advisory Panel (CAP) Meeting

**Date/Time:** Thursday, September 21, 2023, 6:00pm-7:30pm

**Location:** Hybrid

Virtual – Microsoft Teams/Dial-in via the TMI-2Solutions website: [www.tmi2solutions.com](http://www.tmi2solutions.com)

In-Person – Penn State Harrisburg, Educational Activities Building – North, Room 110, 299 College Avenue, Middletown, PA 17057

**Purpose of the Meeting:** The TMI-2 Community Advisory Panel (CAP) is a volunteer, non-regulatory body formed to enhance open communication, public involvement, and education about the Three Mile Island Unit 2 (TMI-2) decommissioning project.

### Agenda

- I. **Welcome and Attendance** – Marie-Louise Abram, TMI-2 CAP Interim Chairperson
  - TMI-2 CAP Introduction
- II. **Decommissioning Status Update** – Frank Eppler, TMI-2 Deputy Project Director
- III. **Regulatory Update** – Tim Devik, TMI-2 Licensing Manager
- IV. **Department of Energy Presentation**
- V. **Oversight Comments**
  - Pennsylvania Department of Environmental Protection Update – Dwight Shearer, Director, Bureau of Radiation Protection
  - Decommissioning Nuclear Safety Review Board (DNSRB) Update – Bill Ostendorff, DNSRB Chairperson
  - Nuclear Regulatory Commission – Amy Snyder, Project Manager
- VI. **TMI-2 CAP Business** – Marie-Louise Abram, TMI-2 CAP Interim Chairperson
  - Introduce New CAP Member – Dave Allard, Retired, PADEP Bureau of Radiation Protection Director
  - Nomination/Election of new TMI-2 CAP Chairperson
  - Vote on Past Meeting Minutes and Charter Revision
- VII. **TMI-2 CAP Questions and Open Discussion** – Marie-Louise Abram, Hannah Pell – TMI-2 CAP Interim Chairperson and TMI-2Solutions CAP Member
- VIII. **Public Question and Answer Period** – Marie-Louise Abram, Hannah Pell – TMI-2 CAP Interim Chairperson and TMI-2Solutions CAP Member

### Organization

### Standing Meeting Participants

TMI-2 Community Advisory Panel

- Chairperson
- Vice-Chairperson
- Secretary
- CAP Members

EnergySolutions / TMI-2Solutions

- TMI-2 Project Director
- Licensing Manager
- Senior Vice President, Marketing and Communications
- TMI-2 Community Advisory Panel Member
- Decommissioning Nuclear Safety Review Board Members

ESJ Decommissioning

- Joint Venture (JV), Director
- JV President

Pennsylvania Department of Environmental Protection (PADEP)

- Director, Bureau of Radiation Protection (BRP)
- Chief, Nuclear Safety Division
- Chief, Decommissioning & Environmental Surveillance Division

## Nuclear Industry Acronyms

	<u>Acronym</u>	<u>Definition / Explanation</u>
<b>ADAMS</b>	Agencywide Documents Access and Management System	NRC public document system: <a href="https://adams.nrc.gov">adams.nrc.gov</a> . TMI-2 Docket Number: 05000320.
<b>ALARA</b>	As Low As (Is) Reasonably Achievable	Making every reasonable effort to maintain exposures to ionizing radiation as far below the dose limits as practical. (10 CFR 20.1003)
<b>DECON</b>	Active Decontamination & Decommissioning	A phase of reactor decommissioning in which structures, systems, and components that contain radioactive contamination are removed from a site and safely disposed of at a commercially operated low-level waste disposal facility or decontaminated to a level that permits the site to be released for unrestricted use.
<b>DNSRB</b>	Decommissioning Nuclear Safety Review Board	Independent advisory board for TMI-2Solutions
<b>EAL</b>	Emergency Action Level	EALs are pre-determined, site-specific, observable triggers for placing the plant in a classification such as an Unusual Event, Alert, Site-Area Emergency, or General Emergency
<b>EPPI</b>	Event of Potential Public Interest	A site-specific event that does not meet the above EAL classifications but may be in the interest of the public.
<b>GTCC</b>	Greater than Class C	Category of Radioactive Waste not generally acceptable for disposal at existing (near surface) low level radioactive waste disposal facilities. TMI-2 does not contain any GTCC waste
<b>ISFSI</b>	Independent Spent Fuel Storage Installation	A complex designed and constructed for the interim storage of spent nuclear fuel; solid, reactor-related, greater than Class C waste; and other associated radioactive materials.
<b>LAR</b>	License Amendment Request	A request to amend the TMI-2 Possession Only License. TMI-2 transitioned from PDMS to DECON through a LAR, which was approved by the NRC on March 31, 2023, and fully implemented by May 3, 2023.
<b>PDMS</b>	Post-Defueling Monitored Storage	The PDMS condition was established following the accident at TMI-2 to establish an inherently stable and safe condition of the facility such that there was no risk to the public health and safety.
<b>PSDAR</b>	Post-Shutdown Decommissioning Activities Report	The PSDAR provides the NRC and the public with a general overview of the licensee's proposed decommissioning activities and informs the NRC and the public of the licensee's expected decommissioning plans and schedule before they are conducted.
<b>SCWE</b>	Safety Conscious Work Environment	Defined by the NRC as a work environment where employees are encouraged to raise safety concerns and where concerns are promptly reviewed, given the proper priority based on their potential safety significance, and appropriately resolved with timely feedback to the originator of the concerns and to other employees as appropriate.
<b>SNM</b>	Special Nuclear Materials	Defined by Title I of the Atomic Energy Act of 1954 as plutonium, uranium-233, or uranium enriched in the isotopes uranium-233 or uranium-235, but does not include source material

## TMI-2 Decommissioning Organizations

Organization	Abb.	Description	Website
TMI-2 Community Advisory Panel	<b>CAP</b>	A volunteer, non-regulatory organization established to engage the local community and to facilitate communications regarding the decommissioning of TMI-2. The focus of the CAP is geared toward education and matters of interest regarding TMI-2 decommissioning to the local communities.	<a href="https://www.tmi2solutions.com/communityadvisorypanel">https://www.tmi2solutions.com/communityadvisorypanel</a>
EnergySolutions	<b>ES</b>	EnergySolutions is an international nuclear services company headquartered in Salt Lake City, Utah, with operations throughout the United States, Canada and Japan. EnergySolutions is an industry leader in the safe recycling, processing and disposal of nuclear material.	<a href="http://www.energysolutions.com">www.energysolutions.com</a>
TMI-2Solutions	<b>TMI2S</b>	Licensee for TMI-2 as of December 2020 and subsidiary company of EnergySolutions created for the sole purpose of decommissioning TMI-2.	<a href="http://www.tmi2solutions.com">www.tmi2solutions.com</a>
Jingoli	-	Jingoli has been a leader in the development, construction, and oversight of complex, large-scale projects throughout the United States, working on projects in industrial, power, healthcare, gaming, education, and government sectors.	<a href="http://jingoli.com">jingoli.com</a>
ESJ Decommissioning	<b>ESJ</b>	Joint venture partnership between EnergySolutions and Jingoli to support the decommissioning effort of TMI-2.	
Nuclear Regulatory Commission	<b>NRC</b>	Independent federal agency ensuring the safe use of radioactive materials for beneficial civilian purposes while protecting people and the environment. The NRC regulates commercial nuclear power plants and other uses of nuclear materials, such as in nuclear medicine, through licensing, inspection, and enforcement of its requirements.	<a href="http://www.nrc.gov">www.nrc.gov</a>
Pennsylvania Department of Environmental Protection	<b>PADEP</b>	The PA Department of Environmental Protection's mission is to protect Pennsylvania's air, land and water from pollution and to provide for the health and safety of its citizens through a cleaner environment.	<a href="http://www.dep.pa.gov">www.dep.pa.gov</a>
Bureau of Radiation Protection	<b>BRP</b>	PADEP's Bureau of Radiation Protection directs the statewide radiation protection program with the goal of protecting the citizens of the Commonwealth from unnecessary exposure to radiation.	<a href="https://www.dep.pa.gov/Business/RadiationProtection">https://www.dep.pa.gov/Business/RadiationProtection</a>



# Section 106 Review Process

36 CFR § 800.3-7

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## INITIATE the process

- Determine undertaking
- Coordinate with other reviews
- Identify SHPO/THPO, Indian tribes/NHOs, and other parties
- Plan to involve the public

*Undertaking with potential to affect historic properties?*

NO

YES



## IDENTIFY historic properties

- Determine APE and scope of effort
- Make reasonable and good faith effort to identify
- Determine National Register eligibility
- Consult SHPO/THPO, Indian tribes/NHOs, and other parties
- Involve the public

*Historic properties present or affected?*

NO

YES



## ASSESS adverse effects

- Apply Criteria of Adverse Effects
- Consult SHPO/THPO, Indian tribes/NHOs, and other parties
- Involve the public

*Historic properties adversely affected?*

NO

YES



## RESOLVE adverse effects

- Develop and consider alternatives or modifications to avoid, minimize, or mitigate adverse effects
- Notify the ACHP
- Consult SHPO/THPO, Indian tribes/NHOs, and other parties
- Involve the public

*AGREEMENT or Council Comment*



## PROCEED





## Property Types

Buildings • Structures • Objects • Sites • Districts

**Eligibility = Significance + Integrity**

## 36 CFR § 60.4 Criteria for Evaluation (Significance)

### A. Event

Associated with events that have made a significant contribution to the broad patterns of our history.

### B. Person

Associated with the lives of significant persons in our past.

### C. Design/Construction

Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

### D. Information Potential

Has yielded or may be likely to yield information important in history or prehistory.

## Aspects of Integrity

setting **MATERIALS**  
**LOCATION**  
Workmanship **design**  
feeling **Association**

## Measure Change from Present Condition

### 36 CFR § 800.5(a)(1) Criteria of Adverse Effect

An ADVERSE EFFECT is found when **an undertaking may alter, directly or indirectly,** any of the characteristics of a historic property that qualify the property for inclusion in the National Register **in a manner that would diminish the property's integrity.**

ADVERSE EFFECTS may include **reasonably foreseeable effects** caused by the undertaking that may occur later in time, be farther removed in distance, or be cumulative.

### 36 CFR § 800.5(a)(2) Examples of Adverse Effects

Destruction or Damage of all or part of historic property  
Alteration not consistent with SOI Standards  
Removal from its Location  
Change in Use or Setting

Addition of Visual, Audible, or Atmospheric Elements out of Character  
Neglect (when not an expected characteristic)  
Transfer, Sale, or Lease out of Federal Control