



## TMI-2 CAP MEETING MINUTES

**Date:** Wednesday, June 15, 2022

**Time:** 6:00pm – 7:30pm

**Location:** Virtual, accessible via [www.tmi2solutions.com](http://www.tmi2solutions.com)

- I. **Welcome and Attendance, Steve Letavic – CAP Chairperson**
  - a. In Attendance (Virtual): Steve Letavic, Marie-Louise Abram, Richard Kluskiewicz, Amy Burrell, David Shoff, Shen Kreiser, Hannah Pell
  - b. Absent: Curt Miner, Joyce Corradi, Jay Ostrich, Dominick DiFrancesco, Jim Hazen, Scott Miller, Bart Shellenhamer
- II. **Decommissioning Status Update, Frank Helin – TMI-2 Project Director**
  - a. Project Safety
    - i. TMI-2 *Solutions* has implemented its own TMI-2 Safety Program.
    - ii. Previously, TMI Unit-1 (Constellation) managed the site-wide safety program.
  - b. Overall Project Assessment
    - i. Near-term Objectives
      1. Aim to retrieve new radiological data to compare with historical data from surveys in the '90s.
      2. Incorporating an early aggressive dose reduction approach to sequencing work. Early decommissioning work is focused on higher radiation areas in the plant; reducing source term early aligns with ALARA principles for planning subsequent work to minimize potential dose to workers.
  - c. Project Focus Areas
    - i. Designing a Decommissioning Support Building to support material handling.
    - ii. Dose reduction planning for standing up Radiation Protection, Work Management, and Maintenance programs.
    - iii. Focusing on program readiness for the transition from Post-Defueling Monitored Storage (PDMS) to Active Decommissioning (DECON).
      1. Includes cross-functional and independent industry reviews.
    - iv. Continuing to work closely with TMI-1/Constellation; sharing site-wide programs related to off-site dose calculations and groundwater monitoring.
    - v. Staffing discussion
      1. Approximately 50 full-time staff on-site.
      2. Prioritizing local, union craft labor when decommissioning work begins.
  - d. Project Dose Reduction Focus Areas
    - i. TMI-2 *Solutions* will be using new technology, including robots for remote demolition and material removal, as well as advanced software for radiological data and mapping.
  - e. Radwaste Shipments Completed



- i. Lead material shipments
  - 1. 6 shipments sent to Oak Ridge, TN processing center were completed.
  - 2. Total net weight = 166,239.5 lbs
- ii. Water shipments
  - 1. 2 shipments sent to processing facility in Oak Ridge, TN using 5000-gallon capacity bulk liquid tanker.
  - 2. Total = 6950 gallons between two shipments.
- iii. Unit 1 RCP Motor and Pump Shipments
  - 1. TMI-1 components stored on Unit-2 side
    - a. RCP Motor to Clive, UT
    - b. RCP Pump to Framatome in Lynchburg, VA

### III. Regulatory Update, Tim Devik – TMI-2 Licensing Manager

- a. PDMS to DECON LAR (ML21057A046)<sup>1</sup>
  - i. Reducing radiation to the level of a plant that has not undergone an accident
  - ii. Expected to be approved by the end of this year
- b. TMI-2 Security LAR Status
  - i. TMI-2 will stand up our own Materials Security Plan in coordination with TMI-1's ISFSI only security plan
  - ii. 90-day Implementation Notice to NRC (ML22154A187)
  - iii. Expect issuance late Summer 2022
- c. Emergency Plan
  - i. One plan for the entire site – covers TMI-1 and TMI-2
  - ii. TMI-1 submitted ISFSI-only plan for entire site
    - 1. PADEP noted IOEP reflected TMI-2 in the PDMS condition
  - iii. TMI-2 coordinating with TMI-1 to amend the E-Plan to support entering DECON.
    - 1. Target submittal to NRC by end of July 2022
- d. Records Exemption
  - i. Previously discussed in December 2021 CAP meeting.
  - ii. Initial submittal in October 2021 (ML21279A278)
    - 1. Eliminates record-keeping requirements for abandoned equipment (i.e., systems, structures and components that have been dismantled or are inoperable)
    - 2. Supplemented to address NRC Orders to maintain historical records regarding the 1979 accident (ML21354A027)
  - iii. NRC is ready to approve.
    - 1. Target issuance is late Summer 2022.
- e. NRC Inspection Status
  - i. PDMS inspection was conducted on 06 June 2022

---

<sup>1</sup> NRC ADAMS Accession Number. To view the document, visit [adams.nrc.gov/wba/](https://adams.nrc.gov/wba/) > Advanced Search > Property = Accession Number > Operator = Equals > Value = ML21057A046.



1. No violations or issues identified
  - ii. Other Routine NRC Submittals
    1. Annual Property Insurance Notification (ML22087A012)
    2. Decommissioning Fund Status Report (ML22091A273)
    3. Annual Radiological Environment Operating Report (ML22117A006)
    4. Annual Radiological Effluent Release Report (ML22117A005)
- IV. Preservation and Outreach, Hannah Pell – TMI-2 Licensing Engineer/CAP Secretary**
- a. TMI-2 Eligibility for National Register of Historic Places
    - i. TMI-2 deemed eligible for the NRHP in 2010 by the Pennsylvania Historical and Museums Commission.
      1. Criteria A: Event (An event, a series of events or activities, or patterns of an area's development)
      2. Criteria Consideration G: Properties that have achieved significance within the past fifty years
    - ii. TMI-2 *Solutions* will continue to be thoughtful about preservation of objects of potential historical interest and significance throughout the decommissioning project.
  - b. Preservation Efforts Examples
    - i. PDMS Videotape donation to the PA State Archives.
    - ii. Currently developing a Cultural Resources Protection Plan
      1. Ensure processing and logging of items of possible historical interest and significance identified within the TMI-2 area.
    - iii. 7 April 2022: Architectural historians conducted field work on-site for updating the 2010 TMI-2 Historic Resource Survey Form (HRSF).
    - iv. 11 May 2022: State Museum curators surveyed the TMI-2 Control Room for ongoing preservation plans.
  - c. Outreach/Community Engagement
    - i. TMI-2 Visitors and Tours:
      1. U.S. Department of Energy
      2. TEPCO
      3. TMI-2 Outreach Lecture at Messiah University
    - ii. TMI Charity Golf Tournament
- V. Agency/Advisory Board Updates:**
- a. **Pennsylvania Department of Environmental Protection, David Allard – Director, Bureau of Radiation Protection**
    - i. Discussion of staff turnover in the decommissioning branch.
      1. PADEP is attempting to backfill the positions, but it is a significant challenge to find health physicists.
    - ii. PADEP has routine calls with NRC Region I and NRC headquarters.
    - iii. PADEP BRP is focused on observing fuel transfer for Unit-1 and gathering data but is also working with TMI-2 *Solutions* to deploy air monitoring systems around the footprint of Unit-2.
    - iv. David announced his upcoming retirement from PADEP.



1. On behalf of the CAP, Steve acknowledged Dave for his years of hard work keeping the island and Pennsylvanians safe.
- b. **Decommissioning Nuclear Safety Review Board, Bill Ostendorff – Chairperson**
  - i. Bill recognizes Dave Allard for his service as a great public servant, and thanks Steve and Marie-Louise for sitting in on the DNSRB meetings this week.
  - ii. DNSRB Meeting Comments
    1. The DNSRB members run the gamut in health physics background, and collectively have 160 years of nuclear experience.
    2. This year there was a virtual DNSRB meeting in March, and there will be another on-site meeting will be in the Fall.
    3. Focus for visit this week at the site was determining whether ESJ Decommissioning is prepared for Phase 1b.
      - a. Conducted interviews with senior leaders.
    4. Key message from the DNSRB is that hard looks are being taken as far as readiness. Leadership on site is listening very carefully and acting where appropriate.
      - a. Project team for TMI-2 has significantly revised the sequencing of work to further reduce potential for dose.
      - b. Culture is such that the team is eager to move forward, but will not do so until it can be done safely.
  - iii. Steve notes that the DNSRB oversight brings him a lot of comfort and confidence in the process.
- c. **Nuclear Regulatory Commission, Amy Snyder – TMI Project Manager**
  - i. Amy begins by noting that the previous presentations are reflective of the amount of work being done at the site, as well as the NRC's involvement and oversight of the project.
  - ii. Before TMI-2 *Solutions* can perform decommissioning activities, we need permission from the NRC through the licensing and regulatory submittals.
    1. Amy discusses the meanings of PDMS/DECON and the regulatory transition between them.
  - iii. Separate from the standard licensing application review, the staff will perform another review for the Post-Shutdown Decommissioning Activities Report (PSDAR). (Not a licensing action)
  - iv. Exemption Request for Records
    1. Acceptance review letter is in concurrence, and Amy hopes the review can be completed by the end of the fiscal year.
  - v. Future near-term licensing submittals – Emergency Plan
    1. Updated Emergency Action Levels will be submitted by the end of July 2022.
  - vi. Steve speaks on behalf on the panel that we appreciate NRC's involvement in the decommissioning project and thanks them for all of their hard work.



- vii. Amy concluded by emphasizing that there is a lot of work on-going, and that the NRC, TMI-2 and PADEP are busy on all fronts.

**VI. Community Advisory Panel Business, Steve Letavic**

- a. Next Meeting Date
  - i. Steve proposes next meeting date of 14 September 2022 from 6:00pm-7:30pm.
    - 1. Hannah recommended a hybrid option for the next meeting; Marie-Louise stated no preference. No other suggestions from CAP members.
    - 2. Steve and Hannah will coordinate logistics.
- b. December 2021 Meeting Minutes
  - i. Steve motions to accept meeting minutes from December, Marie-Louise seconds.
  - ii. December 2021 CAP Meeting Minutes have been accepted by voice vote.

**VII. Community Advisory Panel Open Discussion, Steve Letavic**

- a. No questions or open discussion from CAP members.

**VIII. Public Question and Answer Period, Steve Letavic and Hannah Pell**

- a. No questions from virtual attendees.
- b. Meeting adjourned, 6:56pm.