National Transportation Stakeholders Forum
Transportation Emergency Preparedness Program (TEPP) Update

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Discussion Topics

- TEPP’s Mission
- FY 2021/22 Training Activities
- Upcoming Training Activities
- Program Improvements
- Agency Cooperation
- Website Resources
To ensure that federal, state, tribal, and local responders have access to the plans, training, and technical assistance necessary to safely, efficiently, and effectively respond to transportation accidents involving DOE-owned radioactive materials. To accomplish this mission, a suite of tools have been developed to aid the response jurisdictions in their readiness activities.
DOE Shipping Routes

Office of Environmental Management

[Map of the United States showing shipping routes with various symbols representing sites and changes along the routes.]
DOE Shipping Routes

Waste Isolation Pilot Plant
National Nuclear Security Site
### FY 2021/22 Training Activities

<table>
<thead>
<tr>
<th>Region</th>
<th>State Trained</th>
<th>State # of Classes</th>
<th>TEPP Trained</th>
<th>TEPP # of Classes</th>
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<td>109/201</td>
<td>10/11</td>
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<td>4/1</td>
<td>452/549</td>
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<td>8/4</td>
<td>580/279</td>
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<tr>
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<td>1/4</td>
<td>29/0</td>
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# MWCSG Numbers by Class

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<tr>
<th>Type of Class</th>
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<th>Illinois FY2022</th>
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Upcoming Training Activities

MWCSG

- 6/22-23/22, MERRTT TtT, Columbus, OH
- 9/17/22, CMERRTTT, Youngstown, OH

Radiation Specialist

- 7/25-29/22, Zachary (Baton Rouge), LA
Program Improvements

• Online MERRTT Refresher Training
• Updated PPE Donning and Doffing Model Procedure
• New Armed Law Enforcement Officer Decontamination Dressdown Model Procedure
• New bunker gear donning/doffing (dress up/dress down) practical exercise
• Creating a Medical Examiner course based on the TEPP Model Procedure
  • Delivered pilot to the SC Coroner's Association
Program Improvement

• New Job Aid “Flatsheet” for Decontamination Corridor Dressdown
• New Job Aid “Flatsheet” for Armed Law Enforcement
**Program Improvements**

- New Job Aid “Flatsheet” for Patient Handling

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### Radioactive Material Contaminated Patient Handling and Packaging Job Aid

**Transport Considerations**

- Emergency care providers transporting the patient should work that the receiving hospital has been notified in advance and is ready to receive and treat the patient in a radionuclide-contaminated condition.
- Follow the hospital’s radiological control procedures. At the minimum, emergency medical care providers should remove the patient from the ambulance and then establish a contamination control zone in or around the ambulance.

**Technical Considerations**

- Medical treatment always has priority over radiological concerns.

**Safety:**

- Conduct is handled in accordance.
- Only expose the patient’s body for assessing and treating.
- Contact with the patient must be kept to a minimum change, giving access to necessary.
- Patient’s condition permits a through radiological survey prior to contact.
- Additional documentation may be necessary if the patient was exposed to additional hazards.

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### Radioactive Material Contaminated Patient Handling and Packaging Job Aid

**Arrival and Ambulance Preparation**

If you are the first arriving unit, notify the EBR to conduct an initial survey and establish contamination control zones.

**Emergency Containment**

- A valid emergency medical care provider should report to the incident commander for a secure Arrival Meeting.

**Radiation Actions**

- Assisted medical personnel to minimize risk to the patient.
- Avoid unnecessary exposure.
- Ensure the patient’s body is covered if possible.

**Chemical Agents**

- If the patient is in a radiological or respiratory area and the X-ray exposure, they should be immediately radiographed at the cold zone.
- Avoid unnecessary exposure.

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### Radioactive Material Contaminated Patient Handling and Packaging Job Aid

**Prepare the Rescue Vehicle**

- 24/7 protective barrier (ERB).
- 24/7 decontamination barrier (ERB).
- 24/7 decontamination barrier (ERB).
- 24/7 decontamination barrier (ERB).

**First Aide:**

- Assume the body is covered if possible.
- Avoid unnecessary exposure.

**Patient Care Documentation**

- Immediately document on the patient’s body.
- Notify the medical provider of the time the patient was removed.

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### Radioactive Material Contaminated Patient Handling and Packaging Job Aid

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### Radioactive Material Contaminated Patient Handling and Packaging Job Aid

**Special Considerations**

- Assist medical personnel to minimize risk to the patient.
- Avoid unnecessary exposure.
- Ensure the patient’s body is covered if possible.

**Chemical Agents**

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• DRAFT New Job Aid “Flatsheet” for Hospital Care Providers
NNSA – Office of Secure Transportation

- Provides safe and secure transportation of nuclear weapons, nuclear weapons components, and special nuclear material in support of the national security of the United States of America
Agency Cooperation

FEMA/CDP in Anniston, AL

• Continue to offer MERRTT as a part of the FEMA Radiological Instructor Series
TEPP continues to work with the National Fire Protection Association (NFPA) through the Technical Committee on Hazardous Materials Response Personnel.
• 472 and 473 identified the specific competencies expected of a responder functioning at a specific level or with a specialized hazard-specific skill
  • Competence means possessing the knowledge, skills, and judgement needed to perform indicated objectives

• 1072 addressed the specific job performance requirements (JPRs) for service at an incident based on the responders level or specialized hazard-specific skill
  • Ability to complete or perform each requirement must be evaluated by personnel approved by the AHJ
  • Was NOT all inclusive of every level and specialized skill
• What’s missing from the body of 472 is Annex D, Competencies for Operations Level Responders Assigned Radiological Agent–Specific Tasks

• **Annex material was NOT part of the requirements of the standard but was included for informational purposes only**

• Over the years, TEPP training material has been developed to include both the fundamental radiological competencies for Awareness, Operations, and Technician levels as well as the additional and more advanced competencies found in Annex D
Agency Cooperation

- Integrates NFPA 472, 473, and 1072 into a single standard
- Consolidates and unifies NFPA standards with similar content
- Goal is to increase usability, reduce errors and conflicts, and ultimately produce higher quality standards
- Important changes...
Agency Cooperation

- Where appropriate, changes radioactive material hazard to radiological hazard
- Enables inclusion of X-ray and other machine produced radiation hazards to be included in response considerations
Agency Cooperation

- NFPA 472, Annex D, Competencies for Operations Level Responders Assigned Radiological Agent-Specific Tasks, was converted to mandatory text and moved to Section 8.10, Mission-Specific Competencies: Radiological Hazard-Specific Tasks
- 1072 equivalent language for Professional Qualification was also added into Section 9.10
Chapter 32, Competencies for Hazardous Materials/WMD Technicians with a Radiological Hazard Specialty now includes specific competencies for Evaluating Progress and Terminating the Incident.
• A new section, Chapter 33, Professional Qualifications for Hazardous Materials/WMD Technicians with a Radiological Hazard Specialty, has also been added

• Currently, this is the ONLY Technician Level with a Hazard-Specific Specialty to have defined Professional Qualifications
TEPP web site provides one-stop for information

- National Training and Exercise Schedule
- State 24-Hour Points of Contact
- Needs Assessment
- Model Procedures
- Exercise Planning Resources
- TEPP Regional Coordinators

energy.gov/em/tepp or teppinfo.com
Questions