HMEP
Hazardous Materials Emergency Preparedness Grant (HMEP)

Hazardous Materials Response Training
Tomorrow’s Responders

OKAY, EVERYONE CAN CALM DOWN

HAZMAT IS ONSCENE
HMEP Training History

• Since the beginning of the Federal program over 2,266,000 responders and others have been trained nationally, in part so far with HMEP grant funds

• The training program here in Washington has seen over 40,000 responders trained with HMEP grant funding since the inception of the program
Training Classes

• Hazmat training classes provided to responders are usually training associated with the work to be done or assigned to the responder.

• **Awareness** 8-hours
  – Identification, Isolation, Notification

• **Operations** 40-hours
  – Defensive, Diking, Diverting, Damming, Identification

• **Technician** 40-hours
  – Offensive, Hands-on in Hot Zone to mitigate the situation. (Not Recovery or Clean-up Work)
Training Classes

• HM-On Scene Incident Command  24-hours
  – Incident Command training with a Hazmat spin

• HM Safety Officer   16-hours
  – Incident Safety Officer with a Hazmat spin

• HM-Chemistry       40-hours
  – Complete understanding of how Hazmat and Chemistry go together

• HM-IQ Above the Line/Below the Line  8-hours
Training Classes

• **HM-IQ Tox-Medic**
  - HM-IQ class specifically geared towards EMS personnel

• **Hazmat Training that is hazard specific include:**
  - Ammonia
  - Chlorine
  - Crude by Rail/Flammable Liquids
  - Pipeline emergencies
  - Air Monitoring
Training Classes

• **Awareness/Operations Train-the-Trainer**
  – Training provided to agency personnel to provide curriculum and strategies to teach Hazmat Awareness/Operations to their agency personnel.
  – Usually will involve Training Officers or instructors who are tasked with providing Hazmat training for their agency personnel.
  – Provides for a state certification process for the personnel being taught.
Types of Training Delivery

• Direct Delivery
  – Provides for specific hazmat courses to be taught at locations throughout Washington. Usually contract instructors providing training to state responders meeting WAC 296-824-30005, OSHA 1910.120 and NFPA 472/1072 (new)
Types of Training Delivery

• Train-the-Trainer
  – Instructors from specific agencies who have completed the WSP/SFMO’s AWR/OPS Train-the-Trainer program using provided curriculum.
  – Instructors are authorized by the WSP/SFMO and their Authority Having Jurisdiction (AHJ) to teach this specific curriculum to their personnel.
  – State Certificates are issued to responder agencies based on meeting the training hours and curriculum established, being used by the agency
  – This includes Fire, Law Enforcement, EMS, Public Utilities, State Military units and other state responder groups.
2016 Training Snapshot

• Approximately 2,300 responders were trained using HMEP grant funds during 2016.

• This includes all of the levels mentioned prior and includes Direct Delivery and Training-the-Trainer formats.

• Over 24,000 training hours were conducted during 2016.
Responders Trained

Hazmat Training 2016

# of Responders

<table>
<thead>
<tr>
<th>Delivery Method</th>
<th>TTT</th>
<th>DD</th>
<th>total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1594</td>
<td>723</td>
<td>2317</td>
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- Total responders trained: 2317
Training Hours

<table>
<thead>
<tr>
<th>Training Delivery Type</th>
<th># of Training Hours</th>
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<td>TTT</td>
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<tr>
<td>DD</td>
<td>14122</td>
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<tr>
<td>Total</td>
<td>24101</td>
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</table>
Training by Discipline

Training numbers FY2016

- Fire Service: 524
- Law Enforcement*: 1232
- Other: 561
- 237-DD
- 995-TTT
## Training Class Breakdown

### Direct Delivery

<table>
<thead>
<tr>
<th>Training Class</th>
<th>Number of Classes</th>
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<td>HM-Awareness</td>
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<tr>
<td>HM-Operations*</td>
<td>10</td>
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<tr>
<td>HM-On Scene Incident Command</td>
<td>7</td>
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<tr>
<td>HM-IQ Above the Line/Below the Line</td>
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<tr>
<td>HM-Safety Officer</td>
<td>4</td>
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<tr>
<td>HM-Technician</td>
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<tr>
<td>Chemistry</td>
<td>1</td>
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<tr>
<td>Emergency Response Guide Review ERG-2016</td>
<td>1</td>
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</table>

*Awareness/Operations training taught has one class format
Training Classes Available

- Industrial Firefighting—Rail yards, fuel transfer facilities, and ports (not currently conducted)
- Confined Space (not currently conducted)
- Hazmat BLS/ALS
- Marine Operations—Ship board rescue, firefighting or hazmat (not currently conducted)
- Airport Rescue Fire Fighting (aircraft rescue and response) (not currently conducted)
- Explosive Ordinance Disposal/Explosives in transportation (not currently conducted)
Training Classes Available

- Radiological (sources in transportation, Not WMD)
- Specialty classes
  - Tank car
  - Intermodal Tank
  - Flammable Liquid Bulk Storage
  - Crude Oil
  - Ammonia, Ethanol, Chlorine
  - Decontamination, Mass, Technical
  - Haz-Cat Training
Training Scheduling

• Training is scheduled in several different formats.
  – Scheduling of Awareness, Operations and Technician classes held at the Fire Training Academy (FTA)*. There are usually 2-3 Awareness/Operations classes and 1-2 Technician classes annually.
  – HM-On Scene Incident Command classes are usually scheduled at the WSP Training Academy, usually 3-4 annually
  – *Not held has part of FTA Firefighting 1 training @ FTA
Training Scheduling

- Requests are submitted by agencies to host Hazmat training classes
- Agency “Point of Contact” (POC) will outline the need and schedule for the training based on the class required and the hours established for the training.
- Instructors are confirmed and scheduled for the training class
- Training requests are submitted to the Chain of Command for approval for the training.
Training Scheduling

Example:

- HM Awareness/Operations  48-hours
  - Conducted on 3 consecutive weekends with homework and reading in-between.
  - Monday Through Friday/Saturday 8-9 hours a day
  - Any combination established by the requestor to accomplish the required training hours
Challenges

• Meeting current OSHA and NFPA regulations and Standards.

• Time Constraints, both Career and Volunteer

• Changing regulations and/or standards
  – Competencies
  – Preparedness

• Changing need for specific hazard training
  – Flammable Liquids, Ethanol, Ammonia, Chlorine, Crude Oil etc.
Challenges

• Need by Fire Service for expanded HM training
  – Meeting State and Federal regulations and standards established by the AHJ
  – Need for advanced training for Leadership personnel
    • Ex. HM On Scene Incident Command and HM Safety Officer
  – HM Technician course to support IFSAC certification process-means more hours and robust written and hands-on components
Challenges

• Meeting the new NFPA 1072 requirements for Mission Specific tasks for Operations and Awareness personnel.

• Any reductions of funding will cause a possible reduction in the number of classes provided

• An increase of training costs to local agencies or the lack of training altogether.
Goals

• Continue to conduct Hazmat training per our Statement of Work within the HMEP applications process based on available funding.

• Listen to the State Responders needs regarding Hazmat training to meet their goals.

• Continue to match up Hazmat training with response needs of the local jurisdiction and community.
Questions

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