

NATIONAL PARTNERSHIP FOR ENVIRONMENTAL EDUCATION (PETE)



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HMIT GRANT – TRAINING IN PARTNERSHIP WITH
ALLIANCE OF HAZARDOUS MATERIALS PROFESSIONALS CHAPTERS (AHMP),
ARKANSAS ENVIRONMENTAL TRAINING ACADEMY,
THE HERITAGE GROUP, INDIANAPOLIS, IN
GUAM COMMUNITY COLLEGE, GUAM
AMARILLO COLLEGE, AMARILLO, TX
NATIONAL CORVETTE MUSEUM, BOWLING GREEN, KY



3-DAY HMIT WORKSHOP TRAINING SCHEDULE

MORE TO BE SCHEDULED

- January 14-16 – The Heritage Group, Indianapolis, IN
- February 25-27 – Hazardous Materials Society, Rockville, MD
- March 9-11 – Amarillo College, Amarillo, TX
- March 24-26 – GSHMM Chapter, St. Louis, MO
- April 6-8 – GUAM Community College, GUAM
- April 14-16 – National Corvette Museum, Bowling Green, KY
- June 9-11 – AMP Cyber Chapter, Chicago, IL



SCHEDULE CONT.

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- June 15-17 – AHMP – NJ Chapter, Mount Freedom, NJ
 - June 23-25 – AHMP Cyber Chapter, Salt Lake City, UT
 - August 26-28 – AHMP Midwest Plains Chapter, Omaha, NE

ARKANSAS ENVIRONMENTAL ACADEMY:

- February 3-6 – Camden, AR (postponed)
- March 30 – April 2 – Maumelle, AR
- May 11-14 – Blytheville, AR
- June 8-11 – Camden, AR
- July 6-9 – Memphis, TN
- September 14-17 – Maumelle, AR







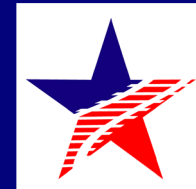
Short Line Safety Institute

HAZARDOUS MATERIALS TRAINING PROGRAM

Mike Bethge – Assistant Director of Hazmat Programs

Jill Medeiros – Director of Administration

Tom Murta – Executive Director



THREE **PROGRAM TYPES**

Train-the-Trainer

Direct Training

Tabletop Exercises

FIVE **KEY TOPICS**

1. General **AWARENESS**
2. Function **SPECIFIC**
3. Safety **PROCEDURES**
4. OSHA, EPA & Spill **NOTIFICATIONS**
5. Homeland **SECURITY**

Learn from some of the most experienced individuals in the industry



HAZARDOUS MATERIALS **TRAIN-THE-TRAINER**

Best for railroads with **IN-HOUSE TRAINERS**
and **ESTABLISHED TRAINING**
PROGRAMS

HAZARDOUS MATERIALS **DIRECT TRAINING**

For railroads that may get more from having
ALL OF THEIR EMPLOYEES IN THE ROOM

Scalable solutions for one or multiple RRs

HAZARDOUS MATERIALS **TABLETOP EXERCISES**

KEY COMPONENTS

1. Hazmat incident **PLANNING**
2. Identifying **BEST PRACTICES**
3. Emergency response **PROTOCOLS**
4. Emergency response **COORDINATION**

Tailored specifically to each railroad

A mobile training tool like no other



SHORT LINE SAFETY INSTITUTE'S **S A F E T Y T R A I N**

AN ALL-IN-ONE MOBILE TRAINING VENUE

APPLYING

Classroom
Training

WITH

Practical
Hands-on Experience



The Short Line Safety Institute's Safety Train parked in Anytown, USA



The Short Line Safety Institute's Safety Train parked in Anytown, USA



TEXAS A&M ENGINEERING



EXTENSION SERVICE

Overview of Training

March 10, 2020

Training Facts & Figures

FY 2019

204,773

Total Trained

8,781

Total Classes
Delivered

105

Countries
Served

100%

Of Texas Counties
Served

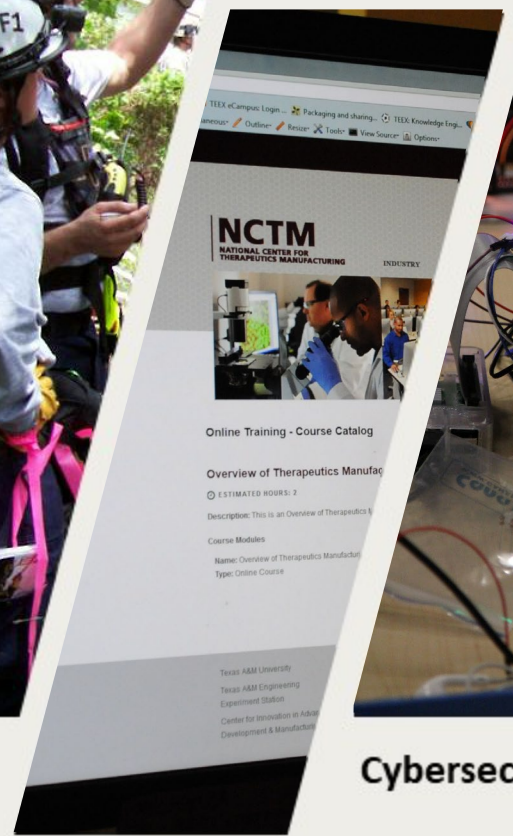
3.3 Million

Total Contact Hours

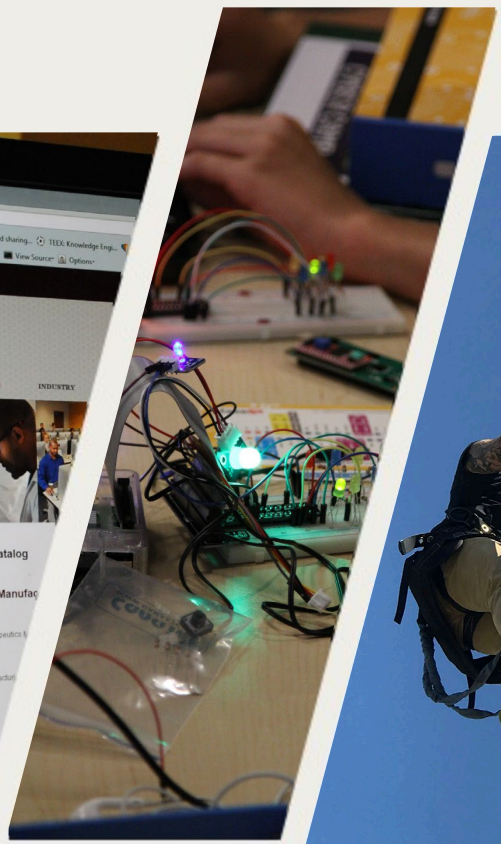




**Disaster
Response
& Recovery**



**Technical
Services**



Cybersecurity



**Infrastructure
& Safety**



**Fire &
Emergency
Services**



**Law Enforcement
& Protective Services**



**Homeland
Security**



**Workforce
Development**





International Chemical Workers Union Council





ICWUC, UAW, AFGE, AFSCME, UFCW WORKERS HAZMAT TOOLBOX

A — Hazmat Basics

- ☐ What are 'Hazardous Materials'?
- ☐ Who is a 'First Responder'?

B — Rules & Regulations

- ☐ DOT, OSHA & PHMSA
- ☐ Hazardous Materials Regulations (HMR)
- ☐ What is a 'Hazmat Employee'?
- ☐ HAZWOPER & Emergency Action/Response
- ☐ Other Hazmat Agencies & Legislation

C — Chemical Properties

- ☐ States of Matter & Properties of Gases
- ☐ Fire & Explosion
- ☐ Ionizing Radiation
- ☐ Corrosives & Water Reactive Chemicals
- ☐ DOT Hazard Classification System

D — Toxicology

- ☐ Health Effects
- ☐ Target Organs
- ☐ Radiological Effects

E — Hazard Recognition/Communication

- ☐ Shipping Papers
- ☐ Placards
- ☐ Truck/Car Shapes & Types
- ☐ Labels & Markings

F — Responder Resources

- ☐ DOT Emergency Response Guidebook
- ☐ NIOSH Pocket Guide
- ☐ SDS & New Jersey Fact Sheet

G — DOT Security Awareness

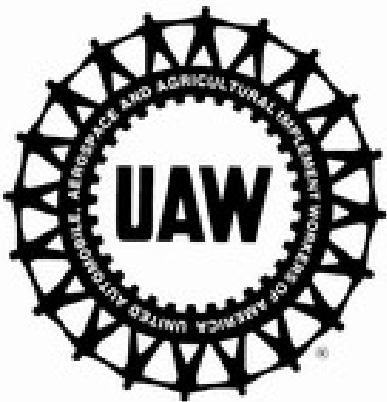
- ☐ The Worker's Role



Conduct Train the Trainer programs for worker/trainer/instructors to conduct toolbox training.



Shipping and receiving of chlorine in chemical plants. At one facility, a weld failed and a 90-ton tanker car of chlorine completely emptied



DOT regulated shipping and receiving of industrial solvents and heavy metal fluids in the auto industry



Packaging and shipping of infectious substances at VA hospitals, some of whom may care for COVID patients.



Shipping and receiving of industrial pesticides used in state, county and municipal parks.



The inadvertent bulk unloading of sulfuric acid into a sodium hypochlorite storage tank resulting in a chlorine gas release.



Zender Environmental Health and Research Group



Zender Environmental, SWAT, & Backhaul AK



SWAT
Solid Waste Alaska Taskforce



Training Opportunities – Hubs, Regionally, Onsite



**Kawerak Regional SWM
Training (Nome)**

Backhaul Alaska Training (Anchorage)



**Backhaul AK Site Visit
(Alakanuk)**



HMR Training Summary

Individuals Trained – 101

- 2018 – 27
- 2019 – 74

HMR Training Opportunities – 10

- 2018 Backhaul Alaska – 1
- 2019 Backhaul Alaska – 1
- 2019 Site Visits – 6
- 2019 Other – 2

Communities Represented – 48

- 2018 – 16
- 2019 – 40



Training Opportunities

Backhaul Alaska Pilot 2 Training



Training Opportunities – Site Visits



Training Opportunities – Regional

**Kawerak Regional
Training - Nome**



Solid Waste & Backhaul Training Bethel







The Sustainable Workplace Alliance



FY2019 Hazardous Materials Instructor Grant



This is our seventh year of conducting HMIT training and over this period, we've directly trained over 5,000 HAZMAT trainers across the country.

These ones have gone back and trained over 30,000 HazMat employees.



HazMat Site Security 2-day

Whether Hazardous Materials are being transported, prepared for transport, stored, or unloaded, they are vulnerable to sabotage or misuse.



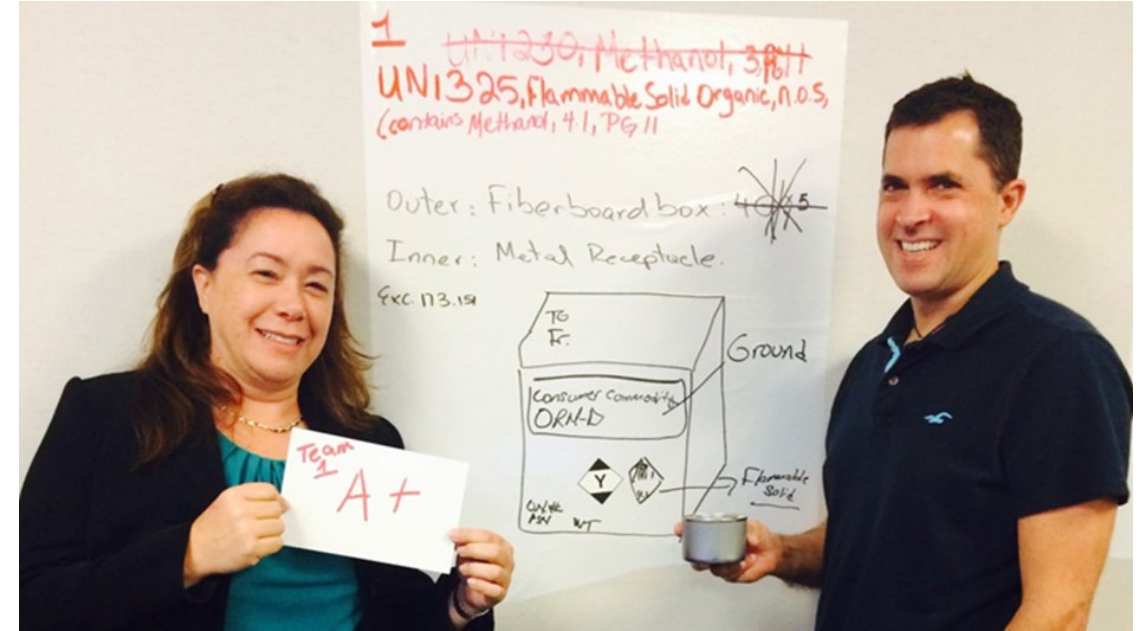
Employee Prep & Response 3-day

The nature of handling hazardous materials or waste makes accidents a continual possibility, no matter how infrequently they may actually occur.



49CFR focused 3-day HMIT

Learn U.S. regulations that apply to the packaging and transportation of hazardous materials, and how to easily teach these complicated regulations



Advanced 5-day HMIT

Everything in the 3-day class PLUS...
student teach-backs and
tour of local shipping facility

