

WAYNE COUNTY
REGIONAL TRAINING FACILITY



2024 HAZMAT SERIES

COURSE CATALOG

Executive Director – Nathan Murphy
Asst. Director of Education - Dick E. Glessner

2725 South Millborne Road
Apple Creek, Ohio 44606
Phone - 330-698-3473
www.wcfra.com



CLASS ANNOUNCEMENT

Hazardous Materials Series

The Wayne County Regional Training Facility is pleased to announce our 2024 Hazardous Materials series. We have selected classes that can be beneficial no matter what your comfort level is. These classes will fulfill needed CE hours along with keeping you abreast of the latest tactics and techniques associated with the Hazmat responses in today's emergency services. So, if you are a part of a hazmat team or planning on it or just want to advance your knowledge in hazmat responses, there is a class for you.

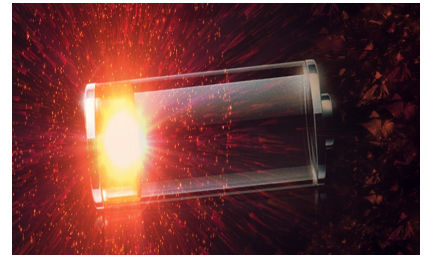
These classes are **free** to you provided by a grant through the PUCO.

- Date:** April 3: Lithium Battery Emergencies Class, with Chief Zamiska
April 20: ToxMedic Training, with Chief Vedder (EMS CE provided)
Lunch Provided by Design Restoration
April 30: Hazmat Ops Refresher
May 10, 11, 12, 18, & 19 Hazmat Technician Course
June 1: Hazmat Refresher Training
June 13: Flammable Liquids Class

See fliers for more details!

- Register:** To Register, go to:
<http://www.wcfra.com/training-facility/registration-courses>

*If you have any additional questions, please contact
Executive Director, Nathan Murphy @ 330-600-9708*



Incident Response Considerations for Lithium Battery Emergencies

Wednesday, April 3, 2024

1800-2200 hrs

Wayne County Regional Training Facility

Training Provided by the Ohio PUCO Grant and Bad Day Training.



Hazardous Materials for EMS

No Cost to Attend!

Tuition Provided Through the Ohio PUCO HazMat Training Grant

Participants in this course begin by recognizing signs and symptoms of Hazmat exposure, routes of exposure, and chemical properties. They will then learn about specific antidotes and their indication/contraindications, dosing and route. This course meets and exceeds NFPA 473: Standard for Competencies for EMS Personnel Responding to Hazardous Materials/WMD Incidents.

KEY TOPICS:

- Classification, identification and verification of known and unknown materials
- The role of the Hazmat Medical Officer
- Assessment of patients exposed to a Hazardous Material
- Toxicology
- Recognition of toxic syndromes (toxidromes)
- Triage considerations
- Decontamination of the Hazmat patient

Saturday, April 20th (0830-1630 hrs)

Wayne County Regional Training Facility

Lunch Provided by Design Restoration





Hazardous Materials Tactical Response Guide FIRST DUE: RESCUE / RECON OPERATIONS



Initial Response Priorities		RESCUE OPERATIONS (FF Turnout Gear SCBA)	
<ol style="list-style-type: none"> 1. Site Management, Isolate Area/Control Access 2. Establish Command & Communications 3. ID Product & Determine PPE 4. Establish Gross Emergency Decision (R0-40psi) 5. Rescue Needed? (See Rescue Response) 6. Implement Protective Downwind Protective Actions 7. Safe Recue: Shut-off? Move Information 8. Confirm HazMat Team Response (See HMRT Info) 9. Brief HMRT, Assign Location 10. Continue Re-evaluation until Incident Termination 		Accountability ... Line of Sight, Visible Victim ... No Complicated Searching <ol style="list-style-type: none"> 1. Quick Product ID if known 2. Command in place with defined Objectives / Goals 3. Emergency Decision in place / RIT 4. Plan Route of Travel / Emergency Exit 5. Approach w/ Mind to Back Incident 6. Stay out of Product if possible 7. Remember Meter / Paper Turn-back Criteria 8. Quick Check -> To Downwind/Upwind -> Nozzle P8 	
Meters / Papers to Keep Us Safe Off the First Due, No Working Turnout Gear (SCBA)		RECON OPERATIONS Enter as SAFELY as Possible	
Meter / Paper Temperature-Gas pH Paper Fluoride (F) Paper LEL Sensor (H2 Gas) RND Detector Dugan (CO) Sensor		ERG Guide Clues Compressive Gas #s: 118, 120, 124, 125 Compressive Liquid #s: 132, 134, 136, 137, 153, 154 180, 184, 187 Radiation #s: 147, 148, 149, 150, 151, 152 Explosives #s: 112, 113, 114 LEL listed -> Flammable, Flammable Today (FV/F) 0% = < 10,000 ppm Blue pH change in air = Flammability potential	
Turn-Back Criteria Rapid Rise in Temp. Observed Color Change (Mold/White) Pink paper turns yellow 10% LEL and Above In Normal RND (Caution at 20) No Turn-back w/ SCBA		<ol style="list-style-type: none"> 1. Objective Determined (Meters, More info, HMRT) 2. Can we turn a valve, upright, turn container, etc 3. Decision in Place / RIT 4. Approach upwind, uphill if possible 5. Stay out of Product 6. Remember Meter / Paper Turn-back Criteria 7. Downrange Life Safety in Mind (Risk/Benefit) 	
Reactions Generate Heat Temperature Clues Remember Distance to Spot Ratio! Air, Water, Chemical reactions Generate Heat Polymerize = reaction Three Clues (MDSR): ERG Guide #s/ %* %* Percent Says So Incompatibilities & Reactivity		HazMat Team (HMRT) Info Info to be provided during Team Activation! * Chemical ID (What you see) * Established Isolation Zones (Victims) * Staging Location (Address / Intersection) * Communications * IC Contact Information	
		Solubility (10%) Less than 10% = Doesn't Mix = Fog PUFF Greater than 10% = Mixes = Fog JABBER Keep in Touch! Find us on Facebook www.BadDayTraining.com	



Bad Day Training's HazMat Tactical Response Guide is protected by copyright. Thank you for respecting this.



HAZMAT Operations Refresher

Tuesday, April 30, 2024

1800– 2200 hrs

Wayne County Regional Training Facility

2725 S. Millborne Rd, Apple Creek, OH

Training Provided by the Ohio PUCO Grant and Bad Day Training



Bad Day Hazardous Materials Tactical Response Guide **Bad Day**
RESEARCH INFORMATION SHEET

Incident Location: _____ Date: _____
 Nature of Incident: ☐ Spill ☐ Explosion ☐ Unknown
☐ Leak ☐ Fire

Substance Involved: _____
 SOLID LIQUID GAS

UN# _____ GUIDE# _____

DOT PLACARDS

Class 1 Explosives	Class 2 Gases	Class 3 Flam. Liquids	Class 4 Solids	Class 5 Oxidizers
Class 6 Poison	Class 7 Radioactive	Class 8 Corrosives	Class 9 Misc.	Special provisions

ERG GUIDEBOOK
 Extinguishment: _____
 PPE: A B C D Spill/Leak: _____ Play # _____
 Evacuation: _____ First Aid: _____ Hot Zone _____ feet

NIOSH POCKET GUIDE

IDLH	MW	UEL	SOL (H2O)
MW	BP	LEL	Sp.Gr
VP	EV (IP)	FLP	

2012 www.BadDayTraining.com Facebook



Ohio Hazardous Materials Technician Course (40-hrs)

No Cost to Attend!

Tuition Provided Through Ohio PUCO Grant Funding

This course addresses the National Fire Protection Association's (NFPA) 470 Chapter 10: Competencies for Hazardous Materials Technicians. This course includes:

- Implementation of the Ohio Emergency Response Plan
- Classification and Identification of Unknown Materials by using field survey instruments and equipment
- Selection of PPE, Technical Decon, Toxicology, and much more!
- This course involves 50% classroom lecture and 50% hands-on training!

Target Audience: Fire Service, Emergency Management, Law Enforcement, Emergency Medical Services, Healthcare, and Industrial Emergency Response.

Certificates will be issued to students who attend all five days of the course.

Wayne County Regional Training Facility

2725 S. Millborne Rd, Apple Creek, OH

May 10 (6p-10p) and May 11, 12, 18, 19 (8a-5p hrs daily)

Training provided by
Bad Day Training

RESEARCH OPERATIONS



Training America's First Due

www.BadDayTraining.com

440-343-4993



Find us on Facebook



Bad Day		Hazardous Materials Research Worksheet		Bad Day	
Chemical Name: _____		Chemical Formula: _____		DOT Guide #: _____	
Physical State		Appearance		Corrosive	
Solid _____		Liquid _____		Yes or No _____	
Gas _____		Appearance: _____		Acid _____ Base _____	
Vapor Pressure		Vapor Pressure (VP):		Flammable	
Yes or No _____		Yes or No _____		Yes or No _____	
Vapor Density		Vapor Density (VD):		Polymerize	
Yes or No _____		Yes or No _____		Yes or No _____	
Toxicity		Toxicity		Radiation	
REL: _____		REL: _____		Yes or No _____	
PEL: _____		PEL: _____		Explosive	
TWA: _____		TWA: _____		Yes or No _____	
TLV: _____		TLV: _____		Solubility	
STEL: _____		STEL: _____		Insoluble: _____	
Oxygen: _____		Oxygen: _____		Soluble: _____	
Flammable		Flammable		Miscible: _____	
LEL: _____		LEL: _____		Reactive With: _____	
UEL: _____		UEL: _____		Specific Gravity (Sp. Gr.): _____	
Flashpoint (FL. Pt.): _____		Flashpoint (FL. Pt.): _____		Water Reactive	
MEC: _____		MEC: _____		Last Name: _____	
				Nitride Carbide Hydride Phosphide	
				Photo Ionization Detector (PID)	
				IP: _____	
				PID Correction Factor: _____	
				Freon Meter	
				Presence Of: Chloride/Chloride, Fluoride/Fluoride, Bromine/Bromide or Iodine in the name: Yes or No _____	
				Presence Of: Cl, F, Br or I in the formula: Yes or No _____	
				Expansion Ratio	
				1 To: _____	
				Organophosphate	
				CHOP in formula: Yes or No _____	
				(TO) target organ is (chol) cholinesterase: acetyl, plasma or blood: Yes or No _____	
				Foam	
				Alcohol Resistant Foam (AR AFFF): Alcohol in the Name, Miscible, Soluble, Solubility more than 10% or Polar: Yes or No _____	
				AFFF: Insoluble, Solubility less than 10% or Non-Polar: Yes or No _____	
				PPE	
				SCBA: _____	
				APR: _____	
				SFFC: _____	
				MTS: _____	
				Level A: _____	
				Level B: _____	

Hazardous Materials Research Specialist (HMRS)

No Cost to Attend!

Tuition Provided by the Ohio PUCO HazMat Training Grant!

The Hazardous Materials Research Specialist (HMRS) conducts research on the chemicals released or potentially released during a hazardous materials incident. Approximately 50% of this course involves scenario-based exercises! Topics include:

- A discussion references sources that are available in hard copy, electronically, and computer-generated models to predict potential hazards.
- Classification, identification, and verification of known and unknown materials
 - Discussion on logistics for deploying this position
- Conducting an analysis and suitability of PPE, metering equipment, and Decon.

Target Audience: Fire Service, Hazmat Team Members, Emergency Management, EMS, Spill Response Team Members, EHS personnel.

Saturday, June 1, 2024 (0800-1400 hrs)

Wayne County Regional Training Facility

2725 S. Millborne Rd, Apple Creek, OH

Training provided by
Bad Day Training



Emergency Response to Flammable Liquids with Foam Operations

No Cost to Attend!

Tuition Provided Through the Ohio PUCO Grant

The transportation and use of flammable liquids is on the rise and with this increase comes the additional potential for related emergencies. This course is like no other course around!

- Classroom discussion on the chemical & physical properties of flammable liquids, uses, and response considerations.
- Discussion about the different types of firefighting foam and their limitations
 - Air Monitoring with Flammable Liquids Emergencies

Target Audience: Fire Service, HAZMAT, Emergency Management, Law Enforcement, Emergency Medical Services, and Industrial Emergency Response.

Certificates will be issued to students who attend the course

Location: Wayne County Regional Training Facility

2725 S. Millborne Rd, Apple Creek, OH

Thursday, June 13th, 2024 (1800-2200 hrs)

Training Provided by
Bad Day Training

We welcome all.

Fire, EMS, Law Enforcement, and
general public to train or hold
meetings / events at the

Wayne County

Regional Training Facility.



All buildings, classrooms, props,
equipment, and the auditorium /
kitchen are available for your use.
Please give us a call to schedule your
next training or event!