

OHIO HAZ-MAT TEAMS CONFERENCE

19th Annual Haz-Mat Technician/Specialist Refresher Training

Friday, November 02, 2018

Time	Room A	Room B	Room C
0800-0830	Registration, Coffee and Visit Exhibits		
0830-0845 0845-1015	Welcome and Opening Remarks: Mark Vedder KEYNOTE: How Did We Get Here? The Evolution of Hazmat Response and Regulation Tobias Frost, Lafayette (IN) Fire Department		
1015-1045	Break—Visit Exhibits		
1045-1215	Rail Cars 101 Thomas Bartfai PUCO	Lions, Tigers and Bears: The Problem with Post Fire Air Monitoring Connor Hadaway / Steve Clark	Flammable Liquid Spills and Class B Foam Operations Phil Mclean / Nick Zamiska
1215-1300	Lunch - Provided in Exhibit Areas - <i>Exhibit Areas Open</i>		
1300-1430	If You Can't Measure It, You Can't Manage It - Part 1 Frank Docimo	Hazmat Rapid Intervention Teams Tobias Frost	Class 4 Flammable Solids, Pyrophorics and Water Reactives—Part 1 Barry Lindley
1430-1445	Break—Cookies and Exhibits		
1445-1630	If You Can't Measure It, You Can't Manage It - Part 2 Frank Docimo	Hazmat Teams and Towing Companies - Working Together Bob Gahr	Class 4 Flammable Solids, Pyrophorics and Water Reactives—Part 2 Barry Lindley
1630	Evaluations and Certificates		

Sponsored by the Chagrin / Southeast Hazmat Response Team
with the generous support of the Ohio PUCO and the Cuyahoga County EMA & LEPC

All schedules, speakers and topics are subject to change without notice.

OHIO HAZ-MAT TEAMS CONFERENCE

19th Annual Haz-Mat Technician/Specialist Refresher Training

Saturday, November 03, 2018

Time	Room A	Room B	Room C
0800-0830	Registration, Coffee and Visit Exhibits		
0830-0845 0845-1015	Welcome and Opening Remarks: Mark Vedder KEYNOTE: Emerging Threats and Operational Response Considerations Christina Baxter		
1015-1045	Break—Visit Exhibits		
1045-1215	Reigniting the Fire in Your Hazmat Training Program Tobias Frost	Zeroing: The Problem with Pentane Connor Hadaway / Steve Clark	The Truth About PPE for Synthetic Opioids Christina Baxter
1215-1300	Lunch - Provided in Exhibit Areas - <i>Exhibit Areas Open</i>		
1300-1430	Can Your Response Team Use a RRAT? - Part 1 Frank Docimo	Lions, Tigers and Bears: The Problem with Post Fire Air Monitoring Connor Hadaway / Steve Clark	Introduction to Intermodal Containers - Part 1 Barry Lindley
1430-1445	Break — <i>Cookies & Exhibits</i>		
1445-1630	Can Your Response Team Use a RRAT? - Part 2 Frank Docimo	Legal Considerations for Hazmat Teams Paul Filon / Alan Finkelstein	Introduction to Intermodal Containers - Part 2 Barry Lindley
1630	Evaluations and Certificates		

Sponsored by the Chagrin / Southeast Hazmat Response Team
with the generous support of the Ohio PUCO and the Cuyahoga County EMA & LEPC

All schedules, speakers and topics are subject to change without notice.

OHIO HAZ-MAT TEAMS CONFERENCE
19th Annual Haz-Mat Technician/Specialist Refresher Training
Friday, Nov 02, 2018, 0830 - 1630 hrs and Saturday, Nov 03, 2018, 0830-1630 hrs
Class Offerings

Friday Keynote: “How Did We Get Here? The Evolution of Hazmat Response and Regulation”

Tobias Frost, Lafayette (IN) Fire Department

How did hazardous materials response get to where it is today? A look back in history at some of the key events that helped to drive the evolution that became hazardous materials response and the regulations we know today. The Love Canal; Times Beach, MO; Texas City, TX; Kingman, AZ; Crescent City, IL; Shreveport, LA. These are just a few of the events that helped to drive the change that would lead to hazardous materials regulations and response practices. Join us as we follow the road through history stopping along the way to look at the key events that were the catalyst for



Rail Cars 101—Thomas Bartfai

Hazmat responders need to understand rail car construction and design in order to safely evaluate the potential course and harm posed by an incident. This workshop will cover how to identify and evaluate rail cars to aid in critical decision making.

Lions, Tigers and Bears: The Problem with Post Fire Air Monitoring - Connor Hadaway and Steve Clark

Many fire departments are using air monitoring and atmospheric detection post-fire to determine if it is safe to remove SCBA, typically when performing overhaul operations. Carbon monoxide (CO) and hydrogen cyanide (HCN) have become the standard two gases that are typically monitored, since they are present at every fire. When air concentrations of these gases reach acceptable levels, personnel are removing their SCBA. We will discuss why this practice is extremely dangerous, as there are thousands of other gases present in the post fire atmosphere, and many are more hazardous than CO and HCN. We also discuss the specifics of gases enter and affect our systems.

Flammable Liquid Spills and Class B Foam Operations - Phil McLean and Nick Zamiska

This workshop will review emergency response considerations for large flammable liquid spills and class B foam operations. Discussion will include gasoline, ethanol and other hydrocarbons involved in highway incidents, industrial incidents and tank farms.



If You Can't Measure It, You Can't Manage It! - Frank Docimo

When responding to a chemical event, it's critical that the material be identified as soon as possible. The thought process should involve protecting oneself and detecting the product or agent of harm. Most responders under-utilize their detectors in standard hazmat response and seem to get away with it. But in a true chemical event, the importance of monitoring is critical in making key decisions, such as identifying a hoax, establishing zones, making evacuation decisions, mandating PPE and determining decontamination needs. This is a hands on program using tabletop scenarios and multiply interactive detection devices that will provide the first responder the skills that they will need when faced with a hazardous material incident.

Hazmat Rapid Intervention Teams - Tobias Frost

This course will offer detailed operational guidelines for and department or hazmat tech operating as RIT. This class will give the hazmat responder the knowledge, skills and ability to follow or form their own guidelines to rescue a downed hazmat tech in a multitude of scenarios. This class will provide students with the most up-to-date industry practices.



Hazmat Teams and Towing Companies - Working Together Bob Gahr and

This course will offer detailed explanations of how hazmat teams and towing companies can work together at an incident. Each group brings unique tools and skill sets that can complement each other to reach a common goal at challenging incidents.

OHIO HAZ-MAT TEAMS CONFERENCE
19th Annual Haz-Mat Technician/Specialist Refresher Training
Friday, Nov 02, 2018, 0830 - 1630 hrs and Saturday, Nov 03, 2018, 0830-1630 hrs
Class Offerings



Class 4 Flammable Solids, Pyrophorics and Water Reactives - Barry Lindley

Understanding the properties of Flammable Solids, Pyrophorics and Water Reactives is critical to successful response. This class covers Chemistry, Toxicology, Containers and Emergency Response to these unusual and highly reactive materials.

Saturday Keynote: Emerging Threats and Operational Response Considerations - Christina Baxter, CEO Emergency Responder TIPS

The threats to which you must be prepared to respond to have evolved significantly over the past few years. This presentation will focus on the evolving threat (Chemical Warfare Agents, Drugs, Homemade Explosives, Chemical Suicides, Ebola, etc.) and how you, as responders, must evolve in your response capabilities to meet these threats. Recognizing and understanding the threat and the risk that it poses is critical to determining the appropriate response. Using the known facts about the threats (such as solubility, toxicity, degradation pathways, and others), operational response protocols, and technology solutions will be presented for detection, identification, protection from, decontamination, and destruction of threat materials.

Reigniting the Fire in your Hazmat Training - Tobias Frost

Tired of the same training over and over? Here are some low cost training ideas that will put the spark back in your hazmat training with the spirit of competition.



The Truth about PPE for Synthetic Opioids - Christina Baxter

Debunk the myths and the hype. Learn the truth about risk based decision making in selecting PPE for response to incidents involving synthetic opioids. Learn how to use the free app FentaTIPS as a job aid for response.

Zeroing: The Problem with Pentane - Connor Hadaway and Steve Clark

We discuss the hazards of using pentane as a calibration gas for LEL sensors. Most fire departments and hazmat teams use pentane as it has long been thought of as the safest choice for air monitoring. We will discuss how the use of Pentane is actually dangerous and may cause gas detectors to fail in explosive atmospheres. We also discuss solutions to this problem, such as alternative technologies or the use of Methane as the number one calibration gas.

Can Your Response Team Use a RRAT? - Frank Docimo

The effective control of a chemical incident is based on a good working understanding of the physical and chemical properties of the product or agent. This does not make a chemist out of a firefighter. But he has to know how the enemy will behave in order to effectively deal with a hazardous material. Responders cannot begin to deal with a hazardous materials incident without a basic grasp of chemistry. Using the Docimo model role and the RRAT technique anyone can understand the basic aspects of chemical behavior. Using this knowledge may save your life. The behavior of a chemical and the sequential events of a hazardous materials incident are crucial to dealing with the incident in a safe and effective manner.



Legal Considerations in Hazmat Response—Filon and Finkelstein

This workshop discusses legal aspects of dealing with hazardous materials. It will familiarize participants with some of the legal underpinnings of the hazmat response and planning community. This is a little understood and examined part of our operations, but also vital to them.

Introduction to Intermodal Containers - Barry Lindley

Know the difference between FEU and TEU? The fastest growing mode of transportation with over 6 million containers in transportation at any one time. We will discuss basic anatomy, construction and response.

OHIO HAZ-MAT TEAMS CONFERENCE

19th Annual Haz-Mat Technician/Specialist Refresher Training

Friday, Nov 02, 2018 0830 - 1630 hrs and Saturday, Nov 03, 2018, 0830-1630hrs

Instructors

Christina Baxter

Dr. Christina Baxter is the CEO of Emergency Response TIPS, LLC which provides practical, evidence based solutions for emergency response through the development of next generation tools for situational awareness and responder safety. She also develops instructional materials in the areas of CBRNE, hazardous materials and clandestine laboratory response. She was previously the program manager over the CBRNE program at the DoD Combating Terrorism Technical Support Office where she was responsible for negotiating and managing CBRNE research and development programs. She is chairperson of the NFPA technical committee on CBRNE PPE. She has more than 20 years experience in the CBRNE/hazardous materials response community.



Tom Bartfai

Tom Bartfai – Hazardous Materials Specialist for the Public Utilities Commission of Ohio since October of 1994. Conduct roadside inspections on commercial motor vehicles transporting hazardous materials. Perform safety audits on trucking companies. Additionally, perform shipper audits on hazardous material manufactures and hazardous waste generators. Became FRA certified in August of 2015 to conduct rail hazardous material inspections.

Alan Finkelstein

Alan recently retired as the Assistant Fire Marshal for Strongsville Fire and Emergency Services in Strongsville, Ohio and where he was responsible for fire prevention, hazardous materials and disaster planning. He has been a certified hazmat technician/specialist since 1992 and belonged to the Southwest Emergency Response Team (SERT). He is certified as a CAMEO Suite instructor by USEPA and NOAA and teaches CAMEO throughout the country for Louisiana State University in conjunction with the Department of Homeland Security. He is also chair of the Emergency Response Subcommittee and Vice Chair of the Cuyahoga County Local Emergency Planning Committee.

Nick Zamiska

Nick has been in the fire service for 16 years, and was recently appointed as Chief of the Brecksville Fire Department in Brecksville, Ohio. Nick is the Director of the Southwest Emergency Response (SERT) Hazmat Team and a Deputy Team Leader for the Cuyahoga County Type 1 Hazmat/WMD Team. He has a Bachelor of Science degree in Emergency Management from the University of Akron and a Master of Public Administration degree with a concentration in emergency services management. Nick is a fire instructor and Hazmat/WMD technician instructor. He also teaches hazmat classes all around the US as a Hazmat IQ instructor for Federal Resources. He is also the owner of Bad Day Training which specializes in emergency response training.

Barry Lindley

Barry Lindley is a Senior Chemist with Specialized Professional Services, Inc. (SPSI). He was employed with the Chemours and DuPont Companies from 1979 till June 2016 and was a responder / team leader / instructor for the Integrated Emergency Response teams. He is a NBFSPQ Level I and II fire instructor, HAZMAT Awareness, Operations, Technician, Branch Officer, and Branch Safety Officer. Barry was a Member of NFPA 472, 1072 Committees and currently works on IFSTA's Hazardous Materials Publications Committee.

Mark Vedder

Mark is a 44 year veteran of the fire service, recently retiring as Battalion Chief for Solon Fire-Rescue in Solon, Ohio. He currently serves as Assistant Fire Chief with the Chagrin Falls Department, and has been Hazmat Coordinator for the Chagrin/SE Hazmat Team in Cuyahoga County, Ohio for over 28 years. He serves on the county Hazmat Committee and chairs the Ohio Hazardous Materials Technical Advisory Committee. He has a Bachelor of Science degree in Fire Safety Engineering from the University of Cincinnati and is an Ohio Fire Service Instructor, Paramedic Instructor, Advanced Hazmat Life Support Instructor and Hazmat/WMD Technician Instructor.

Phil McLean

Phil McLean is the Chief of the Richfield, Ohio Fire Department He is a fire instructor and HazMat Technician. Chief McLean has a fire protection degree from the University of Akron and served as the Director of Training for the University of Akron for 15 years.



OHIO HAZ-MAT TEAMS CONFERENCE

19th Annual Haz-Mat Technician/Specialist Refresher Training

Friday, Nov 02, 2018 0830 - 1630 hrs and Saturday, Nov 03, 2018, 0830-1630 hrs

Instructors



Paul Filon

Paul is a Captain/Paramedic with the Strongsville Fire Department and Hazmat Technician with the Southwest Emergency Response Team. He is also an attorney at Buckingham, Doolittle & Burroughs, LLC specializing in business law and intellectual property. He has a BA from Case Western Reserve University and graduated from the University of Akron Law School in 2009.



Steve Clark

Steve is a director of CBRNE University, an online based training platform for hazmat response in the police, fire and emergency medical fields, specializing in common problems faced by all responders. Steve is an Acting Captain and hazmat technician with the City of Hamilton, Ontario Fire Department, and previously worked as a Private Contractor for one of North America's largest hazmat response companies. Steve has instructed hazmat courses across Canada and the United States, both in the Public and Private industries, and has published articles on hazmat response internationally. Visit www.cbrneu.com or email steve@cbrneu.com

Tobias Frost

Captain Toby Frost is a member of the Lafayette (IN) Fire Department. He is a Team Leader for their HazMat Team and founder of their Illicit Lab Response Team as well as a Team Leader for the Lafayette Fire Tactical Rescue Team and Dive/Water Rescue Team. He is DEA certified in clandestine lab responses. Toby serves as a department instructor for fire fighters, recruits, and local industry teaching fire science, technical rescue and hazardous materials. He is a lecturer at Purdue University and has presented across the country at hazmat conferences including the IAFC International Hazardous Materials Conference, The Hot Zone, and at the Fire Department Instructors Conference (FDIC). In 2018 he received the Level A Award from the IAFC Hazardous Materials Committee. Toby serves as a HazMat Specialist for FEMA -IN TF-1. He is a current Board Member for the Indiana Alliance of Hazardous Materials Responders. Capt. Frost is a graduate of Eastern Kentucky University with a BS in Fire Science Engineering Technology and is currently in the NFA Executive Fire Officer Program.

Connor Hadaway

Connor is a director of CBRNE University, an online based training platform for hazmat response in the police, fire and emergency medical fields, specializing in common problems faced by all responders. Connor worked as a full time firefighter and hazmat technician with the City of Hamilton, Ontario Fire Department, before switching to the Ontario Provincial Police, where he works as a Provincial Constable. Connor has instructed hazmat courses across Canada and the United States, both in the Public and Private industries, and has published articles on hazmat response internationally. Visit www.cbrneu.com or email connor@cbrneu.com.

