

2018 Ohio Hazmat Teams Conference

*Workshops - Vendors - Demonstrations
Networking*



*FREE Hazmat Technician
Refresher Training*

November 2 & 3, 2018

Register at: www.OhioHazmatConference.com

*Sponsored by Chagrin / Southeast Hazmat Response Team
with support from the PUCO and Cuyahoga County LEPC*

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 Tony Schneider - USDOT/FRA	Lions, Tigers and Bears: The Problem with Post Fire Air Monitoring Connor Hadaway / Steve Clark	Cryogenics: The Cold Hard Truth Nick Zamiska
1215-1300	Lunch - Provided in Exhibit Areas - Exhibit Areas Open		
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, Reno Contipelli, RJ Saponari, Brendan Kilkenny	Class 4 Flammable Solids, Pyrophorics and Water Reactives—Part 2 Barry Lindley
1630	Evaluations and Certificates		

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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 - Exhibit Areas Open		
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 Tanks Barry Lindley
1430-1445	Break — Cookies & Exhibits		
1445-1630	Can Your Response Team Use a RRAT? - Part 2 Frank Docimo	Legal Considerations for Hazmat Teams Paul Filon / Alan Finkelstein	Compressed Gas Cylinders And Liquefied Gases Barry Lindley
1630	Evaluations and Certificates		

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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 / Tony Schneider**

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.

**Cryogenic Emergencies:
The Cold Hard Truth -
Nick Zamiska**

As technicians, we all recognize cryogenics for its extreme cold hazards. In addition to the cold, high pressures, asphyxiation, fire and explosion hazards can lead to a bad day. Even the slightest exposure to cryogenic liquids/gases can place first responders into an IDLH environment.



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**

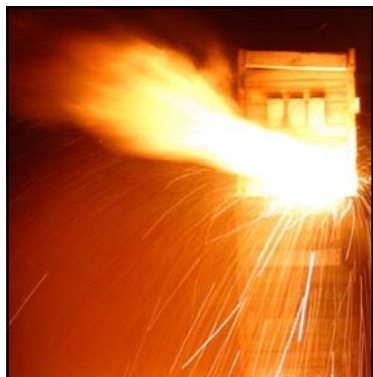
This course will offer detailed operational guidelines for your department or hazmat team operating as RIT. This class will give the hazmat responder the knowledge, skills and ability to follow or form their own guidelines to rescue a downed hazmat tech in a multitude of scenarios. This class will provide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



**Hazmat Teams and Towing Companies - Working Together
Bob Gahr / Reno Contipelli / RJ Saponari / Brendan Kilkenny /
Tom Gary**

This course will offer detailed explanations of how hazmat teams and towing companies as a collaborative partnership 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.

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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.

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**Legal Considerations in Hazmat Response—
Paul Filon and Alan 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 Tanks - Barry Lindley

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.



**Compressed Gas Cylinders and Liquefied Gases -
Barry Lindley**

Cylinders – Have you Heard the one about?

- Employee killed when cylinder turned into a rocket because its valve was knocked off?
- Employee suffocated after entering a space filled with nitrogen?
- Facility damaged when acetylene cylinder heated up and exploded?
- Eyebrows singed when lighting a gas BBQ?
- Family poisoned by propane in their back yard?

This class discusses cylinder construction and response. We will discuss case studies and what can you find in cylinders.



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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.

[Tony Schneider](#)

Tony has served as an Investigator/Inspector for the USDOT Federal Railroad Administration for over 20 years. He was previously a Hazmat Specialist for 10 years with the Ohio PUCO. He is certified with the International Atomic Energy Agency, the International Air Transportation Association, the International Maritime Organization and the Transport of Canadian Dangerous Goods Regulations. He was awarded the 2018 USDOT/FRA Investigator / Inspector of the Year Award.

[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.



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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.



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 Haz-Mat 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, on 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.

Steve Clark

Steve is a director of CBRNE University, on 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

Reno Contipelli

Reno Contipelli is a 27-year Lieutenant –Paramedic with Cuyahoga Heights Fire Department and Firemedic with the Brooklyn Heights Fire Department. A Member of the SERT and Type 1 Hazmat Teams as a Hazmat/WMD Technician and Tank Car Specialist from SERTC

RJ Saponari

RJ is an big truck rescue certified operator with Rich's Towing, serving as the Operations Manager. He is a trainer for Traffic Incident Management and Incident Traffic Control. He is a certified rigger, wreckmaster Level R, has a Mat-Jack Level 1 Master Certification, and received the 2015 Wreckmaster Heavy Duty Recovery Award. He is also a PADI certified master diver with an underwater recovery certification.

Brendan Kilkenny

Brendan is a Big Truck Rescue certified operator with Rich's Towing. He is a Hazmat Technician, holds numerous technical rescue certifications, is trained through NIMS ICS 400, and is trained in Traffic Incident Management. He is a certified Wreckmaster Level 6/7, has a Mat-Jack Level 1 Master Certification, and received the 2015 Wreckmaster Heavy Duty Recovery Award and was also the 2007 Ohio State Driving Champion.



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Instructors



Robert Gahr

Bob has over forty years' experience in the safety profession, twenty-two years as Corporate Director of Safety in chemical manufacturing and prior to retiring, twelve years as Assistant Safety Director for the Ohio Turnpike Commission.



As a member of the Cuyahoga County Emergency Management Board and LEPC Bob has implemented many seminars and training programs that have evolved into programs such as Critical Incident Stress Debriefing, Hazardous Materials procedures for the County's Haz-Mat teams, Clandestine Drug Lab response procedures for Police and Fire, Media training and while with the turnpike Traffic Incident Management procedures now used by the Federal Highway Administration.

Bob has served as President of the Northern Ohio Chapter of the American Society of Safety Engineers, Greater Cleveland Safety Council and Western Reserve Fire Buffs. In 1992, the Cleveland Fire Department honored Bob by making him an Honorary Professor of Fire Technology and in 2000 Bob received the Cleveland Fire Department's highest honor as "Citizen of the Year", for his assistance in developing the Weapons of Mass Destruction program. Bob has been a Firefighter/EMT & Photographer with the Willoughby Hills, Cuyahoga Heights and Munson Fire Departments.

Tom Gary

Tom is a 15-year veteran of the fire service, having served with various local agencies and currently serving with Southwest Special Rescue, among others. Tom is also owner of Southwest Towing & Recovery, with 12-years in the towing & recovery industry. Tom also has two degrees in Public Safety, including Fire/EMS. Tom has been involved with numerous cross-training events between the Fire/Rescue service and Tow Operators.

Tom is also active within the towing & recovery industry, including currently serving as Regional Chair with the Association of Professional Towing of Ohio (APTO) and as a Co-Regional Board Member for the Towing & Recovery Association of Ohio (TRAO). Tom has been involved with numerous incidents and has a diverse background of training, experience and expertise. Tom also works to promote a strong working relationship between the Fire/Rescue/EMS and Towing & Recovery communities, including increased cross-training and understanding of the capabilities that the towing & recovery industry can offer.

Tom holds the following certifications: Firefighter II, Fire Instructor, Fire Investigator, EMT-B, Advanced Vehicle & Machinery Extrication Technician, Urban/Wilderness Search & Rescue, Wilderness EMS, HazMat Technician, HazMat Officer, HazMat Safety Officer, Fire Dept. Incident Safety Officer, Diver/Water Rescue, Ice Rescue Technician, Technical Rescue Technician, Confined Space & Rope Rescue Technician, Traffic Incident Management, Certified Rigger, WreckMaster 6/7, Nationally Certified Tow & Recovery Operator.

Tom was also involved with the 2-day "Raccoon Creek" incident, November 2015, involving a semi rollover from the bridge overpass for the Raccoon Creek in Licking County, Ohio, resulting in the release of acid into the waterway.

