

2016 Ohio Hazmat Teams Conference

*Workshops - Vendors - Demonstrations
Networking*



*FREE Hazmat Technician
Refresher Training*

November 4 & 5, 2016

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

17th Annual Haz-Mat Technician/Specialist Refresher Training

Friday, November 04, 2016

Time	Room A	Room B	Room C
0800-0830	Registration, Coffee and Visit Exhibits		
0830-0845 0845-0945	Welcome and Opening Remarks: Mark Vedder Keynote : “Lessons Learned in the Derailment and Ethanol Fire in Downtown Columbus, OH” - William Brobst		
0945-1015	Break—Visit Exhibits		
1015-1200	First Receiver: Hospital Decon Greg Smith/Greg Ivanovic	Plume Modeling: CAMEO vs Real World Silverio Caggiano	Ohio EPA: Hazmat Case Studies Ohio EPA Staff
1200-1300	Lunch - Provided in Exhibit Areas - <i>Exhibit Areas Open</i>		
1300-1430	Ammonia: Properties and Emergency Response—Part 1 Dave Binder	Flammable Liquid Spills and Class B Foam Operations Phil Mclean/Nick Zamiska	Chlorine: Properties and Emergency Response—Part 1 Barry Lindley
1430-1500	Break—Cookies and Exhibits		
1500-1630	Ammonia: Properties and Emergency Response—Part 2 Dave Binder	SITSTAT for HAZMAT Gary Sharp	Chlorine: Properties and Emergency Response—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

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Saturday, November 05, 2016

Time	Room A	Room B	Room C
0800-0830	Registration and Visit Exhibits		
0830-0845	Welcome and Announcements Mark Vedder	Welcome and Announcements Mark Vedder	Welcome and Announcements Mark Vedder
0845-1015	Corrosives: Properties and Emergency Response—Part 1 Barry Lindley	Propane IQ - Part 1 DOT Containers Gary Sharp	Ammonia: Properties and Emergency Response—Part 1 Dave Binder
1015-1045	Break—Visit Exhibits		
1045-1215	Corrosives: Properties and Emergency Response—Part 2 Barry Lindley	Propane IQ - Part 2 ASME Containers Gary Sharp	Ammonia: Properties and Emergency Response—Part 2 Dave Binder
1215-1300	Lunch - Provided in Exhibit Areas - <i>Exhibit Areas Open</i> <i>Visit Outdoor Exhibits, Hazmat Apparatus</i>		
1300-1430	Hazmat Research Resources Alan Finkelstein	Hazmat Suit Emergencies Mark Vedder/Nick Zamiska	
1430-1445	Break — <i>Cookies & Exhibits</i>		
1445-1615	Highway Cargo Tank Construction Thomas Bartfai	Hazmat Antidotes and Medical Support of the Hazmat Team Mark Vedder	
1615	Evaluations and Certificates		

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Class Offerings

Keynote: “Lessons Learned in the Derailment and Ethanol Fire in Downtown Columbus, OH” - William Brobst

This presentation will talk about lessons learned by someone who thought he knew better. As an instructor for railcar classes this incident showed me some areas where what I thought I knew and what actually became important on the scene didn't always jive. This incident renewed my attitude to keep it simple and to train responders on the basics.



**First Receiver - Hospital Decon -
Greg Smith and Greg Ivanovics**

Since OSHA first published the First Receivers document in 2005, new challenges have arisen that challenge hospitals to prepare for their role in an event. National disaster events have led to the revision of standards and regulations that address hospital Emergency Management. We will describe how two area

hospitals have adopted their programs to encompass an All Hazards approach to 'business not as usual events' at their facility. Both First Receivers and First Responders can benefit from understanding each other's capabilities during a community event.

Plume Modeling: Cameo vs, Real World—Silverio Caggiano

This workshop will examine a real life incident which showed that CAMEO / ALOHA Plume Modeling may not always represent actual locations and spread of Hazardous Atmospheres. The incident involves a chlorine release in Youngstown where the hazmat team had to shut down a freeway bridge that was up wind and at a considerably higher elevation.

Hazmat Case Studies— Ohio EPA

The Ohio EPA will discuss some recent incidents which were challenging for emergency responders and happened right here in Ohio. They will discuss the role of first responders, hazmat teams, Ohio EPA and clean up contractors as they work together to resolve the incidents and protect Ohio.



**Anhydrous Ammonia Response—
Properties and Tactics -
Dave Binder**

Be ready and prepared to handle anhydrous ammonia incidents by attending this session which will review an emergency response guide card specifically generated for anhydrous ammonia. The guide card provides valuable quick reference information for ammonia incidents from size up through

response tactics, including live release footage. Short interactive tabletop scenarios will be worked through with team play, providing some fun and entertainment, but more importantly allowing for some practical application in dealing with the anhydrous ammonia when it gets out in real life incidents.

**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.

**Chlorine Emergencies—Properties and Containers—
Barry Lindley**

Understanding the properties of chlorine and containers used for shipping is critical to successful response to chlorine emergencies. This class covers Chemistry, Toxicology, Containers and response to chlorine emergencies. Class will use case studies to help in the planning process for responding to chlorine emergencies.

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SITSTAT—Situation Status for Hazmat—Gary Sharp

Information sharing during a hazmat incident has become a full time job. This work shop will explain the benefits of adding a Situation Status Controller (SITSTAT) to the Hazmat Group/Branch ICS structure. We'll discuss roles/responsibilities, best practices, integration with an Incident Management Team (IMT), and technology tools and apps to support real time information sharing and Decision Support.

Corrosive Materials—Properties and Response - Barry Lindley

What are corrosive materials? They are the largest class of materials covered by DOT regulations. DOT defines these materials as liquids or solids that can cause visible destruction or irreversible alteration in human skin tissue at the point of contact or have a severe corrosion rates on steel or aluminum. This class discusses the issues of understanding the chemistry of corrosive materials and response to these materials in emergency situations.

Propane IQ—Propane Behavior and DOT Containers—Gary Sharp

Propane emergencies remain one of the most common, and most deadly, hazmat incidents responders face. This class includes interactive discussion on propane behavior, DOT cylinder anatomy, and propane hardware/valve identification.

Propane IQ—Propane Behavior and ASME Containers—Gary Sharp

This is Part 2 of the Propane discussion and covers the anatomy of ASME tanks, followed by tactical considerations for assessment of propane vessels, leak control and flaring operations.

Hazmat Research Resources — Alan Finkelstein

This workshop will compare various computer programs currently used for Hazmat/WMD response, including CAMEO, CAMEO Chemicals, MARPLOT, COBRA, CT-Analyst and PEAC. Using scenarios, we will demonstrate the strengths and limitations of each program, so you know how and when to use each one.

Hazmat Suit Emergencies—Mark Vedder and Nick Zamiska

This class discusses the stressors that can impact your PPE and what to do when a suit emergency occurs. Discussion will include low air, SCBA malfunctions, CPE rips and tears, suit degradation, low profile maneuvers, man down emergencies, loss of communications, falls into liquids and other mishaps. Gain the knowledge you need to survive and get out alive.



Understanding Highway Tank Trucks—Thomas Bartfai

Hazmat responders need to understand highway cargo tank construction to safely evaluate damage and make decisions about plugging and patching, off-loading product, up righting of containers. This workshop will cover the physical and structural differences of DOT306, MC406, DOT312, MC412, and MC331 specification cargo tanks to aid in critical decision making. The hazardous material communication differences among them will also be discussed.

Hazmat Antidotes and Medical Support of the Hazmat Team—Mark Vedder

Treating victims exposed to hazardous materials requires correctly identifying the symptoms, decontamination, applying BLS skills, and finally selecting the correct antidote. This course covers the treatment of exposures to cyanide, hydrogen sulfide and hydrofluoric acid., including indications, contraindications, dosing and special considerations. We will also discuss pre-entry physical exams and medical support of hazmat team members.



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Instructors

Bill Brobst

Bill is currently a captain with the Columbus, Ohio, Division of Fire and in-charge of their Hazardous Materials Response team. He has been employed as a professional firefighter for over 34 years. Bill has specialized in the hazardous materials response field and is a contract instructor in both HazMat and Terrorism subjects for the Renewable Fuels Association, Washington DC, The University of Findlay, Findlay, Ohio and The Ohio Fire Academy, Reynoldsburg, Ohio. Bill was also an instructor for the National Fire Academy, Emmitsburg Maryland. He was one of two developers of the Current "Ohio HazMat and WMD Training Series" manuals. He currently resides in Baltimore, Ohio with his wife, Cheryl, and has a daughter and 5 grandchildren.



Greg Smith

Greg Smith is the Emergency Management Coordinator for the Cleveland Clinic facilities located in Brunswick, Medina, and Twinsburg. His responsibilities include planning, training, and responding to 'business not as usual' events. He coordinates the efforts of specialized teams that manage the facilities Command Center and Hospital Emergency Response Teams (HERT). He served thirteen years as a paramedic with the Medina Life Support Team before transitioning into the EMS Outreach Department which encompassed Emergency Management also. He is the Assistant Fire Chief in Valley City where he has over 35 years of experience and is the Team Leader for the Medina County Hazmat Team. He is a past member of the Ohio Division of EMS Homeland Security Subcommittee and the National Fallen Firefighters Foundation Chief to Chief Network. Greg is an instructor in Fire, EMS, ICS, HERT, First Receiver, HICS, and A.L.I.C.E. He has an Associate's degree in Fire Protection and a Bachelor's degree in Emergency Management from the University of Akron.

Greg Ivanovics

Greg Ivanovics is a Lieutenant/EMT-Paramedic for the City of Euclid, Ohio Fire Department and a member of the Chagrin/Southeast Hazmat Team. He has served as Euclid Hospital's EMS/Disaster Coordinator since 2002. He is responsible for the ongoing delivery of EMS/Disaster programs and services for the hospital's EMS Medical Direction, staff, and other allied health professionals. He oversees the Euclid Hospital Emergency Response Team (HERT), Evacuation Team (EVAC), and sits on Euclid Hospital's Disaster Committee, Leadership Council, and Regional EMS Committee. He is a certified ITLS Instructor and holds Instructor credentials through the American Heart Association in BLS, ACLS, and PALS. Additionally, Greg is a certified A.L.I.C.E. Instructor and adjunct instructor for both the State of Ohio Fire Academy and the Federal Emergency Management Agency (FEMA).

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.

Gary Sharp

Gary Sharp is the Training Program Manager for Federal Resources, the parent company of HazMatIQ. Gary leads a team of HazMatIQ instructors teaching the patented HMIQ response system across the country to public safety and military responders. Previously, Gary spent 15 years in the fire service, including working full time for the Independence Fire Department serving as an Engineer, Staff Captain, and Deputy Fire Chief. Gary currently volunteers as a Hazmat Team Leader for the Oakland County, MI hazmat team; and as a Hazmat Manager on Michigan US&R Task Force 1.



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Instructors



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.



Nick Zamiska

Nick has been in the fire service for 15 years, currently serving as a Lieutenant with 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.

Silverio Caggiano

Sil is a Battalion Chief / Paramedic for the Youngstown, Ohio Fire Department with 34 years in the fire service. For the past 25 years he has served with the Mahoning County Hazardous Material Response Agency and is currently the Deputy Chief. He is the YFD District Chief, Department "Special Topics Training" Coordinator / Instructor. Sil also serves as a charter member of the Ohio HazMat TAC Member and is the Region 5 Coordinator.

David Binder

David Binder is Vice Chair of the National TRANSCAER® Task Group and chaired the curriculum committee that put together the TRANSCAER 2011/2012 Anhydrous Ammonia training program. David is the Director of Quality, Safety & Regulatory Affairs for Tanner Industries, Inc based in Southampton, PA. He leads the Ammonia Safety & Emergency Response Training program known as ASERT program. He has been in the ammonia industry since 1992. David facilitates ammonia safety and emergency response training programs throughout the world for industry, fire department, emergency response and emergency management personnel. He speaks and presents at numerous Federal, State and Industry Association conferences. He is very involved and in leadership positions with various industry associations, including the National Association of Chemical Distributors (NACD), World Food Logistics Organization (WFLO), national standards associations such as American Water Works Association (AWWA), Compressed Gas Association (CGA); and public sector organizations such as LEPCs (David Chairs the Philadelphia, PA LEPC).

Phil McLean

Phil McLean has been a member of the Richfield, Ohio Fire Department since 1976. He has held every position including interim Fire Chief. He currently serves as a part time Assistant Chief in charge of Training and Fire Operations. 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. He is also an instructor for Bad Day Training where he delivers a variety of fire and hazmat courses.

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 42 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 26 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.