



State of Delaware 17th Annual Hazardous Materials Training Workshop



Workshop Training Sessions

Course Descriptions and Instructor Information

Friday, May 10, 2024

7:15 am – 8:30 am: Registration and Continental Breakfast

8:45* am – 4:00 pm: Training Sessions

*Special Note: Session "E" will start at 8:00 am

Delaware State Fire School

1461 Chestnut Grove, Dover, DE 19904

See Separate Course Descriptions for Classes to be held Saturday, May 11, 2024

"Educating Responders for Today and Tomorrow"

Sessions "A" and "H" (8:45 am – 4:00 pm)

Chemical, Biological, Radiological, Nuclear, High Yield Explosive (CBRNE) Decontamination" – Part 1, Classroom Theory

Instructor: Joe Leonetti, New Castle County Hazmat/Decon Team Leader and Staff

Part 1 of CBRNE decontamination will explain the proper use, donning and doffing of Personal Protective Equipment (PPE). Students will be taught how to effectively work in the standardized PPE used by all hospital's EMS and First Responders. Decontamination procedures for victims and animals of a CBRNE event will be reviewed so that all students can safely operate in a Hazard Control Zone.

NOTE: This is a FULL morning 3-hour class. Hospital attendees who wish to receive DE State Fire School CEU credit must attend both Session A-CBRNE Decontamination Part 1 (Classroom) and Session H, CBRNE Decontamination Part 2 (Practical) for a total of 6 hours. This will serve as Hospital Hazmat Refresher training per hospital regulations. Other (non-hospital) attendees may register for either session.)

Instructor Bio: Joe Leonetti, New Castle County Hazmat/Decon Team Leader

Joe has been a member of the Delaware Fire Service for over 57 years. He has served as a Firefighter/EMT, Captain, Assistant Chief, Deputy Chief, Fire Chief and President of the Elsmere Fire Company. Joe is an instructor for the National Fire Academy, the New Mexico Tech Energetic Materials program, and with the Delaware State Fire School. Joe currently serves as a Commissioner with the Delaware State Fire Commission. Joe is a United States Army veteran. Joe has been the Team Leader of the New Castle County Special Operations Hazmat/Decon Team for the past 40 years. He serves on numerous State and County Hazardous Materials and Homeland Security committees. Joe formerly served as the New Castle County Emergency Management Coordinator and the Sr. Director of Support Operations and Emergency Management for the Saint Francis Hospital in Wilmington, Delaware. Joe presently is a Planner V for the Delaware Department of Public Health, Office of Emergency Medical Services, Preparedness Section.

"Chemical, Biological, Radiological, Nuclear, High Yield Explosive (CBRNE) Decontamination" – Part 2, Practical Training"

Instructor: Joe Leonetti, New Castle County Hazmat/Decon Team Leader and Staff

Practical Training - Students will set up a proper Decon line, don PPE, and decontaminate a victim and an animal safely and properly. Emergency rapid, and mass decontamination operations will be discussed along with animal decontamination.

NOTE: This is a FULL afternoon 3-hour class. Hospital personnel who wish to receive DE State Fire School CEU credit must attend both Session A -CBRNE Decontamination Part 1(Classroom) and Session H- CBRNE Decontamination Part 2 (Practical) for a total of 6 hours. This will serve as Hospital Hazmat Refresher training per hospital regulations. Other (non-hospital) attendees may register for either session.

Instructor Bio: See Session A bio above



Sessions “B” and “I” (8:45 am – 4:00pm)

Advanced Meters Program Part 1 – Rapid Risk Assessment Techniques™

Instructor: Frank Docimo, CEO Docimo and Associates, LLC

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 responder. But responders have to know how the enemy will behave in order to effectively deal with a hazardous material. Responders cannot begin to deal with hazardous materials incidents 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.

Advanced Meters Program Part 2– Understanding Air Monitoring Devices

Instructor: Frank Docimo, CEO Docimo and Associates, LLC

Air monitoring devices have become essential tools for safe and effective response in many hazardous environments, but if the user doesn't have a basic understanding of how these devices operate, they may not be effective. Based on the METERS™ Program, this workshop will explain the technology at work in various metering devices on the market today so that hazmat responders can make informed decisions in choosing, maintaining and using them in the hot zone. Mr. Docimo's discussions will include sensor technologies, tube devices, PID/FID and IR Technologies. A sample matrix on what tools might be used for a chemical terrorist attack will also be discussed.

Instructor Bio: Frank Docimo, CEO Docimo and Associates, LLC

Frank Docimo has been affiliated with the fire service for over 40 years. During his career he has held the position of Special Operations Officer for the Turn of River Fire Department and was assigned to HAZMAT 1 in the City of Stamford, Connecticut. Mr. Docimo has served as the co-chairperson of Stamford's Local Emergency Planning Committee and team leader for one of the city's Response Teams.

Frank has been an adviser to several state legislative committees on the hazardous materials problems in Connecticut. As the Chief Instructor in charge of the Hazardous Materials Program for the Connecticut State Fire School (1988—89), Mr. Docimo was instrumental in the development of the Hazardous Materials Technician Program.

During the year 1992, Mr. Docimo was honored with two prestigious training awards. He received the Connecticut Instructor of the Year award and was also recognized for his expertise and skills as a teacher when he was awarded the National Instructor of the Year for 1992. During the year 2001, Mr. Docimo was the recipient of the Hot Zone's "In the Zone" Award, for his life-long commitment to first responders' safety.

In the fall of 1998, Mr. Docimo was selected as a subject matter expert to participate in a need's assessment and formulation of curriculum for the nation's responders to terrorist activities. The workshop entitled "Emergency Response to Terrorism; Tactical Considerations" was a joint project of the National Fire Academy, FEMA and the Bureau of Justice. As a result of his involvement both Mr. Docimo's four stages of Decon method and his advanced risk assessment process (known as the Docimo Model Role™) have been incorporated into the core curriculum.

Frank also holds the following certificates and accreditations,

- ❖ National Fire Protection Association (NFPA) Certified Firefighter One, Two and Three
- ❖ NFPA Certified Instructor One and Two
- ❖ Certified Hazardous Material Technician
- ❖ Certified Hazardous Materials Specialist
- ❖ Certified Hazardous Materials Safety Officer
- ❖ Certified Haz-Mat Planner SARA III program

Presently, Mr. Docimo is working on his Master Degree in Homeland Security.



Sessions “C and J” (8:45 am – 4:00 pm)

"Biological Warfare Agents (BWA): From the Past to the Present and What Does It Mean For Our Future" – Part 1 & 2

Instructor: Carrie A. Poore, Ph.D., Branch Chief Advanced CBRNE Training Branch

This course will provide an overview of traditional biological warfare agents such as bacteria, viral materials and toxins. In depth case studies from various biological agent events throughout history. Both naturally occurring and bad actor biological examples will be discussed. Students will be shown simulated laboratory processes that could be employed by bad actors to enhance visual recognition of the most-likely synthesis routes for clandestine and sophisticated preparation of biological agents. Instructors will place special emphasis on the clandestine synthesis and terrorist employment of biological agents. In addition, future methodologies for the genetic manipulation of biological materials will be proposed.

Instructor Bio: *Carrie A. Poore, Ph.D., Advanced CBRNE Training Branch Chief, Biologist, Research and Operations Directorate, DEVCOM Chemical Biological Center (CBC) at Edgewood*

Dr. Poore serves as the Branch Chief for the Advanced CBRNE Training Branch within the Directorate of Research and Technology for the U.S. Army Combat Capabilities Development Command Chemical Biological Center. She has over 16 years of postgraduate experience at ECBC. As the Branch Chief, she leads the execution of training programs and also trains the biology portions of the courses for customers throughout Department of Defense, Department of Justice, Department of State, National Guard Bureau and other federal, state, and local assets involved in the counter-WMD fight. Dr. Poore led the training program for the 20th Support Command's Heavy Mobile Expeditionary Laboratory that covered the entire suite of analytical instrumentation, shelter, and supporting equipment. She also has experience in the development of biological agent detection platforms and has evaluated existing bio detection systems including: a DHS funded program for the development of a microtiter screening tool for the screening of biological agents in suspicious powders, an FDA funded method of validation study for the detection of biological material in various food matrices using electrochemiluminescence, a Smiths Detection funded *Ricinus communis* DNA method evaluation, and a DHS funded evaluation of three generic screening tools for the analysis of biological agents in suspicious powders. She had the lead scientific role in the development of several mobile laboratories and kits for the following customers: 20th Support Command DNA Identification Lab, New York City Public Health All Hazards Receipt Facility (BSL-2/3), Defense Threat Reduction Agency (DTRA) Divable Chem/Bio Sampling Kit, and DTRA Biological Assessment Mobile Laboratory (BAML). She operated and validated the BAML as the lead biologist during an Advanced Test Demonstration.



Sessions “D” and “K” (8:45 am – 4:00 pm)

“High Pressure Cargo Tank Emergency Response Workshop” Part 1 & 2

Lead Instructor – Michael Moore

Supporting Instructor – Dave Wolf

Course Description

“High Pressure Cargo Tank Emergency Response Workshop”

If you are looking for good street-smart advice to apply to your next compressed gases cargo tank incident, this class was made for you! Come along with us as we discuss the MC-330, 331, 338 and other high-pressure cargo tanks, their construction features, emergency devices and considerations that must be considered in the event of a roll-over, fire or other emergency involving these vessels. If you have ever enjoyed an episode of “How It Is Made”, you are going to love this class. Join the Pros at Safe Transportation Training Specialists for an enlightening demonstration that includes the use of unique cargo tank models and simulators, designed to educate and entertain. This multimedia presentation will begin by focusing on unique properties and behavior of compressed gases and the application of this knowledge to incidents and accidents involving cargo tanks. The instructor will take the class on a journey of lessons learned throughout the history of the fire services and the tragic consequences that should never happen again. The program will then progress to cover everything from construction features of the vessel to emergency devices and the application of this information to better decision-making; roll-overs, fires and other incidents involving this vessel. The presentation will conclude with hands-on review of unique cargo tank models.

Course Objectives

Understand the significant differences between the MC-330 and MC-331 Cargo Tanks. Understand the critical nature of cargo tank identification and application of specification information to each incident. Understand the function and purpose of safety devices associated with gasoline cargo tanks. Understand specific response actions that may be applied to rollovers, fires and varying incidents involving various high-pressure cargo tanks. Understand the unique qualities and behavior of compressed gases and application of proper actions to mitigate the incident safely.

Instructors Bios:

Michel A. Moore - Michael is the Operations Manager and a founding partner of Safe Transportation Training Specialists (STTS); a Carmel, Indiana based company established in 1999 that specializes in cargo tank emergency response training models, simulators, tools and other associated products.

Michael is primarily responsible for the design and development of STTS's unique training models, curriculum development and instruction. Formerly, he served with Chemical Leaman Tank Lines (CLTL) in the Mechanical and Tank Cleaning Division, overseeing process steam generation and waste management for the St. Louis, MO Terminal from 1979 to 1994. In 1994 Michael joined the Chemical Leaman Tank Lines Safety Department at the Corporate Training Center and instructed new employee orientations and continued to serve as on the corporate emergency response team where he responded to hundreds of cargo tank accidents and incidents. Michael concluded his career in the bulk transportation industry in 1999 to become a founding partner at STTS.

Along with his tenure at CLTL and STTS, Michael continues his 42nd, year in Public Safety and Emergency Response by serving as a Part-time Firefighter with the City of Westfield Fire Department and Hamilton County, IN Emergency Response Team.

As an active member of his community Michael has also served as a Chairman of the Hamilton Co. LEPC Resource Committee and has served as a TRANSCAER & Operations Respond Instructor. Additionally, he teaches on behalf of the Indiana Propane Gas Association and the Indiana Alliance of Hazardous Materials Responders.

A lifetime goal for Michael is to practice this –Ralph Waldo Emerson quote “It is one of the most beautiful compensations of this life that no man can sincerely try to help another without helping himself.”

Dave Wolfe - Dave is the General Manager and a founding partner of Safe Transportation Training Specialists (STTS); a Carmel, Indiana based company established in 1999 that specializes in cargo tank emergency response training, props, simulators, tools and other associated products.

Dave oversees the day-to-day operations of STTS, curriculum development, instruction and product development. Formerly, he served with Chemical Leaman Tank Lines as a Division Safety Manager and Director of Training and Emergency Response from 1991 to 1999.

During his tenure at Chemical Leaman, Dave was responsible for the development and training of the largest driver workforce in the cargo tank industry and an emergency response team consisting of 80+ personnel. As a veteran of the emergency response community Dave has responded to countless cargo tank incidents and became a benefactor in coordinating the corporate response to many others.

As an active member of his community Dave has also served as a State Coordinator for TRANSCAER and spent significant amounts of his time training members of the fire service across the US and Canada. He has served as a Chairman and Vice -Chairman of the Hamilton Co. LEPC and member of that county's emergency response team. Additionally, he has served on the Indiana Emergency Response Commission's Training Committee and is the former Treasurer of the Indiana Alliance of Hazardous Materials Responders.

Among life goals Dave would like to achieve “World Peace” however, he is willing to settle for everyone returning from their last call safely!!



Sessions “E” and “L” (8:00 am – 4:30 pm)

“Risk-based Response to Battery Emergencies” Parts 1 & 2

Instructor – Toby Frost

This 8-hour course includes classroom and hands-on training to prepare responders to conduct risk-based response to battery emergencies for multiple types of batteries including Lithium-Ion (Li-Ion). The course covers batteries found in transportation including passenger vehicles, ground transport, air and sea shipping, as well as residential, commercial, and industrial settings.

COURSE TOPICS:

- Battery construction and chemistry
- Recognition and identification
- Understanding direct current (DC)
- Battery hazard and risk assessment

- Recognizing and responding to thermal runaway
- Response considerations
- Air monitoring
- Battery fire strategy and tactics

Instructor Bio:

Tobias Frost

Toby Frost began working in the hazmat industry in 1987 as a remediation project manager in university and industrial settings. After transitioning to commercial construction, he joined the fire service in 1999. Toby Frost is currently a Battalion Chief with the Lafayette Fire Department in Indiana. He is a Team Leader for their HazMat Team and is the founder of their Illicit Lab Response Team. He is a department instructor for fire fighters, recruits, and local industry teaching fire science, technical rescue and hazardous materials. He is a continuing lecturer at Purdue University in the School of Natural Resources and Environmental Sciences. He 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, Toby was recognized by the IAFC Hazardous Materials Committee with their "Level A" Award and in 2019, the "In the Zone Award", at the Houston Hot Zone Conference. As a contract instructor Toby has helped train federal, state and local responders across the country and internationally, including at the National Fire Academy. Toby serves as a HazMat Manager and Rescue Specialist for FEMA -INTF-1. Toby is a principal member of the NFPA Hazardous Materials Committee and a current Board Member for the Indiana Alliance of Hazardous Materials Responders. Toby is a graduate of Eastern Kentucky University with a BS in Fire Science Engineering Technology and a graduate of the NFA Executive Fire Officer Program. Toby is a Training Program Manager for Safeware, Inc./Hazard 3.



Sessions "F" and "M" (8:45 am – 4:00 pm)

"Railcar Capping Kits: Review Railcar Anatomy" Parts 1 & 2 –

This class will review Rail Car designs and fittings. We will also review three different capping kits and students will be able to use all three kits. The kits will be used to stop by liquid and vapor leaks on the DSFS latest prop for rail car. Kits involved: Chlorine C Kit, Midland Kit, Kelso Capping Kit.

Instructor Bio:

Darryl Meade

Darryl Meade has over 40 years in the Fire Service. He currently serves as Assistant Chief for the FMC Company in Newark, Delaware. Meade is HAZMAT, Rope Rescue, Firefighter Pro Board Certified Instructor II. Assistant Chief Meade has been an Instructor at the Delaware State Fire School over 20 years, a member of New Castle County Industrial Hazardous Materials Response Alliance and serves on its training committee. He serves as a trainer and is part of New Castle County Special Operations HazMat Decon Team. Meade served for Nottingham and Oxford townships as Radiological HAZMAT Officer. He formerly was a responder of the Chester County, PA HazMat Response Team, and was past member of West Grove Fire Company. He is currently a member of Chesapeake City Fire Company, MD.



Sessions "G" and "N"

Radiological Game Day (8:45 am – 4:00 pm) Parts 1 & 2 –

Radiological Game Day will provide responders with an opportunity to learn and/or reinforce their radiological response knowledge through "competition". And of course, there will be prizes! Also, "cheating" will be encouraged through the use of provided reference materials! Categories to be discussed during the knowledge competition include common radiological sources, detection devices, dosimetry, PPE, protective action guidelines, radiological zones, shielding, entry times, and radiological survey and decontamination. Skills to be demonstrated during the skills competition include the use of detection devices, implementation of radiological zones, shielding, entry times, and radiological survey and decontamination. This is the only conference class you'll ever attend that utilizes black lights and (not - anatomically correct) blow-up dolls!

Instructor Bio:

Cheryl Weaver-Docimo

When she was a teenager, the incident at Three Mile Island on March 28, 1979 was a life - changing event for Cheryl Weaver - Docimo. One factor that became apparent to Cheryl was the fear of the event on the part of the citizens, as well as the responders, which resulted from a lack of understanding of radiation. When the crisis ended, Cheryl made a decision to learn as much as she could about radiation. Years later, during her senior year of high school, Cheryl was given the opportunity to do independent studies in physics and biology, and she spent her senior year experimenting with radiation.

Following graduation, Cheryl attended a school of radiological technology, and after working in the field for about one year, she accepted her first faculty position with the School of Radiological Technology at Penn State University Hospital. But the first responder community always held a special place in Cheryl's heart and she continued to volunteer in emergency services. In January of 2000, she joined the staff of Docimo & Associates, LLC to work as an educator for first responders. Through 2012, she held the position of Vice President of Operations and was the company's radiological trainer. Cheryl also established her own business, "RadResponse, LLC" in August of 2009 which she still runs today. The sole focus of RadResponse is to provide first responders with an education in radiological response. In October of 2011, she was selected as a recipient of the "In the Zone Award" at the 2011 Hotzone Conference. She was the first woman to receive the award which was presented to her in recognition for her "contributions and commitment to responder health and safety through education and training". In April of 2010, her career came full - circle when she accepted a position as a contract FEMA Radiological Emergency Preparedness (REP) Evaluator and she continues as an evaluator today. The REP program was developed and implemented as a result of the Three Mile Island incident in 1979. Cheryl has remained active in emergency services, from her early years as a junior member to her later years, holding multiple operations and administrative officer positions. A 34-year veteran of the fire and EMS services, Cheryl also served as a specialist with a regional hazardous materials response team in south central Pennsylvania and she currently participates as a subject - matter expert for the team.



"No Cost" for Workshop Attendees!

State of Delaware – 17th Annual Hazardous Materials Training Workshop

Hosted by

Delaware State Fire School – 1461 Chestnut Grove, Dover, DE 19904



"Educating Responders for Today and Tomorrow"

For Questions Regarding this Workshop, Contact Kim O'Malley :
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Workshop Partners include:

