



State of Delaware 9th Annual Hazardous Materials Training Workshop



◆◆◆◆◆ Workshop Training Sessions

Course Descriptions and Instructor Information

Friday, April 1, 2016

8:00 am: Registration

8:30 am-4:30 pm - Training Sessions

Delaware State Fire School

1461 Chestnut Grove, Dover, DE 19904

See Separate Course Descriptions for Classes to be held Saturday, April 2, 2015
"Educating Responders for Today and Tomorrow"

CHOOSE FROM FIVE MORNING SESSIONS:

Session "A" (8:30am-11:45am)

"Hospital DECON & Ebola" – Part 1, Classroom Theory

Instructor: Joe Leonetti (and staff), Emergency Management Safety & Security, Saint Francis Hospital, Wilmington, DE

Students will review the Incident Command System (ICS) and how it relates to the decontamination process. Students will become familiar with, and learn how to properly use the standardized Personal Protective Equipment used by all hospitals. Hospital Decon Procedures and guidelines will be reviewed so that all students can safely operate in the Control Zones.

Instructor Bio: Joe Leonetti: Joe Leonetti has been a member of the Delaware Fire Service for over 49 years. He has served as a Firefighter/EMT, Captain, Assistant Chief, Deputy Chief and Fire Chief. Joe is an instructor for the National Fire Academy as well as the Delaware State Fire School. He also served as the Emergency Manager for New Castle County, Delaware before assuming the position as Director of Emergency Management, Safety and Security for St. Francis Hospital. He has been the Team Leader for the past 27 years of the New Castle County Special Operations Hazmat/Decon Team. Joe serves on numerous State and County Hazardous Materials and Homeland Security committees.



Session "B" (8:30am-11:45am)

"If You Cannot Measure It, You Cannot Manage It!" – Part 1, Classroom Theory

Instructor: Frank Docimo, CEO, Docimo Associates, LLC, Madison, WI

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 multiple interactive detection devices that will provide the first responder the skills that they will need when faced with a hazardous material incident.

Instructor Bio: Frank Docimo: Frank Docimo has been affiliated with the fire service for over 40 years and formerly served as the Hazardous Materials Coordinator for State of Wisconsin Emergency Management. Frank previously had been with Haz-Mat One in the City of Stanford. He has lectured at many national programs including the Fire Department Instructors Conference, International Association of Hazardous Materials Instructors, Hazardous Materials Team Conference, and the FEMA Region Five Conference. His client list includes the US Army, the US Air Force, the CIA, Several CST teams, the US Capitol Haz-Mat Response Team, and the National Security Agency. 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". In 2001, Frank received the "In the Zone Award" from the Houston Haz-Mat Conference. In the fall of 1998, Mr. Docimo was selected as a subject matter expert (SME) to participate in a needs assessment and formulation of curriculum for the nation's responders to terrorist activities. This project was a joint project of the National Fire Academy, FEMA and the Bureau of Justice. Current

projects include response assessment programs for several DC-based agencies. Mr. Docimo is the CEO of Docimo Associates, LLC, in Madison, WI.



Session “C” (8:30am-11:45am)

TRANSCAER® Presents – “Taming The Tiger In The Tank – Tactics and Response For Anhydrous Ammonia” – Part 1, Classroom Theory

Instructor: David Binder, Director of Quality, Safety & Regulatory Affairs and Lead Trainer in Ammonia Safety & Emergency Response Training (ASERT) program, Tanner Industries

Get prepared to handle ammonia incidents from start to finish, beginning with an overview of anhydrous ammonia properties, transportation/containers, types of releases, trouble shooting incidents, and response recommendations; control and containment tactics from both offensive and defensive perspectives. Lessons learned will be discussed through brief illustrations of case histories involving both stationary facilities and transportation incidents as well as live release training footage.

Following a drill and safety briefing, the second half of the day will be on the drill field with live agent (anhydrous ammonia) release training, primarily performing tarp and cover operations for control and containment.

All students will receive a customized guide card for anhydrous ammonia which follows the sequence of a hazmat incident and provides specific reminders and information for anhydrous ammonia responses.

Instructor Bio: David Binder is the Director of Quality, Safety & Regulatory Affairs and Lead Trainer in Ammonia Safety & Emergency Response Training (ASERT) program with Tanner Industries, Inc. in Southampton, PA. He has been in the ammonia industry and emergency response training and planning since 1992. David facilitates safety and emergency response training programs throughout the world for industry, fire department, emergency response, and emergency management personnel. He also speaks and presents at numerous Federal, State and Industry Association conferences. He is very involved and in leadership positions with various industry associations. David is the Chair of the Philadelphia Local Emergency Planning Committee. He has served in leadership positions with the National Association of Chemical Distributors including the Responsible Distribution Committee. David serves as Vice Chairman of the National TRANSCAER® Task Group and the Executive Committee and chaired the curriculum committee that put together the TRANSCAER® 2011 Anhydrous Ammonia program. David is a long time faculty member of World Food Logistics Organization Institute at the Georgia Institute of Technology (Georgia Tech University).



Session “D” (8:30am-11:45am)

US DOT PHMSA Sessions

Instructors: Anthony Murray, Dave Clark, Hazardous Materials Safety Assistance Team - Eastern Region, Pipeline and Hazardous Materials Safety Administration

DOT Cylinder Recertification Inspections and Cylinder Markings – Compressed Gases are packaged and transported using DOT cylinders. Learn how manufacturers, retesters, and requalifies certify and mark cylinders for compliance with the Hazardous Materials Regulations and Compressed Gas Association standards.

Hazardous Materials Packaging, Marking & Labeling - Learn how to select the proper package to transport a non-bulk hazardous material, properly mark the package, and label the package.

Placarding Requirements – Learn how to determine the required placarding for containers and motor vehicles when offering and/or transporting hazardous materials.

Instructor Bios:

Anthony H. “Tony” Murray III joined the U.S. Department of Transportation (US DOT), Pipeline and Hazardous Materials Safety Administration in August of 2000. He works out of the Eastern Region Field Office located in West Trenton, NJ. As a member of the Hazardous Materials Safety Assistance Team (HMSAT), he is available to help businesses find the resources needed to comply with the Hazardous Materials Regulations (HMR) and to provide compliance assistance to Federal, state and local governments, and the private sector. After high school, Tony sailed aboard a product oil tanker to Vietnam in support of military forces and selected the U.S. Merchant Marine as a sea-going deck officer career. Tony is a 1976 graduate of the State University of New York (SUNY) Maritime College earning a Bachelor of Science Degree in Marine Transportation. He received a commission as an Ensign in the U.S. Navy Reserve and a Third

Mate's license issued by the U.S. Coast Guard (USCG) to sail as a deck officer in the U.S. Merchant Marine. He then sailed aboard U.S. flag ships for 15 years and advanced his merchant marine license to "Master Unlimited" and also advanced to the rank of Captain in the U.S. Navy Reserve. Captain Murray began his federal civil service career in December 1991 as a Marine Transportation Specialist for the U.S. Navy's Military Sealift Command (MSC). After 6 years with MSC, he transferred to the U.S. Coast Guard's National Maritime Center in Arlington, Virginia, where he administered programs related to the certification, training, and licensing of U.S. Merchant Marine officers and seamen. After leaving USCG and before coming to the US DOT, Murray spent 2 years with the National Transportation Safety Board (NTSB) as a Marine Accident Investigator in the NTSB Office of Marine Safety. Tony lives in Doylestown, Pennsylvania with his wife and daughter.

Dave Clark graduated from Penn State University with a degree in Mechanical Engineering and went to work at Textron in engine design, development, and installation. He has been in government service for 33 years, beginning in 1983 when he joined the Naval Air Propulsion Center operation department and was involved with the government certification of engines for Navy aircraft, including the F14; F18; and V22. He assumed the position of base environmental coordinator when the facility went on the Base Closure and Realignment Commission (BRAC) list and assisted with the oversight of environmental issues associated with closing the base. Dave joined USDOT Research and Special Programs Administration (RSPA) in 1997 as a hazmat enforcement investigator for the eastern region. He worked within the eastern region conducting inspections at locations including shippers of hazardous materials, cylinder requalifiers, and manufacturers, and working on special projects. In 2010, Dave joined the PHMSA Certification and Standards Branch and assisted in the development of course material for training new investigators. He currently develops various courses, schedules classes, and teaches courses for the certification of the PHMSA field investigators.



Session "E" (8:30am – 11:45am)

"Meth Labs and Marijuana Grow Labs"

Instructor: Matthew Higgins, Environmental Scientist IV, DNREC Emergency Prevention & Response Section, Dover, DE

Individuals attending this presentation will gain a thorough understanding of clandestine drug labs and the strategic methods used to safely process these labs. During the presentation attendees will understand the methodology of the process, the importance of evidence photography and seizure, and identifying common procedural tactics that put officers and hazmat response personnel in harm's way. Attendees will understand the importance of refusing to tow vehicles containing One Pot meth labs, but rather to process these meth labs on site due to the increased danger these meth labs present on all roadways in the United States. The final training item will include a new trend that is occurring in numerous states that resembles the One Pot meth lab but possesses a very different, but lethal characteristic.

Instructor Bio: Matthew Higgins: Matthew Higgins is an Environmental Scientist IV with the State of Delaware's Department of Natural Resources & Environmental Control's (DNREC) Division of Waste & Hazardous Substance's Emergency Prevention & Response Section. Mr. Higgins is a Hazardous Materials Response Technician and is an On-Scene Coordinator with the DNREC - Emergency Response Team (ERT), which responds to hazardous material incidents in the State of Delaware. Mr. Higgins is a Certified Hazardous Materials Manager and holds a Bachelor's of Science Degree in Environmental Sciences from Wesley College. Mr. Higgins has responded to numerous clandestine meth labs in the State of Delaware and Maryland. He has attended several training seminars on clandestine meth lab response, including Safety Officer training. Mr. Higgins worked with other members of the DNREC - ERT in developing the current methodologies used by the team for clandestine meth lab response and hazard mitigation in the State of Delaware.



CHOOSE FROM FIVE AFTERNOON SESSIONS:

Session “F” (1:15pm-4:30pm)

“Hospital DECON & Ebola – Part 2, Hands-on Training”

Instructor: Joe Leonetti and Staff, Emergency Management Safety & Security, Saint Francis Hospital, Wilmington, DE

In this continuation of Session “A”, students will set up a complete DECON area and understand the need for a DECON line to be operated safely and properly.

Please see Session “A” above for instructor bio.



Session “G” (1:15pm-4:30pm)

“If You Cannot Measure It, You Cannot Manage It!” – Part 2, Hands-on Training

Instructor: Frank Docimo, CEO Docimo Associates, LLC, Madison, WI

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 multiple interactive detection devices that will provide the first responder the skills that they will need when faced with a hazardous material incident.

Please see Session “B” above for instructor bio.



Session “H” (1:15pm-4:30pm)

TRANSCAER® Presents – “Taming The Tiger In The Tank – Tactics and Response For Anhydrous Ammonia” – Part 2, Hands-on Training

Instructor: David Binder, Director of Quality, Safety & Regulatory Affairs and Lead Trainer in Ammonia Safety & Emergency Response Training (ASERT) program, Tanner Industries

The second half of the day will be on the drill field with live agent (anhydrous ammonia) release training, primarily performing tarp and cover operations for control and containment.

Please see Session “C” above for the course description and instructor bio.



Session “I” (1:15pm-4:30pm)

US DOT PHMSA Sessions

Instructors: Anthony Murray, Dave Clark, Hazardous Materials Safety Assistance Team - Eastern Region, Pipeline and Hazardous Materials Safety Administration

Shipping Papers and Emergency Response Information – learn how to properly describe a hazardous material on a shipping paper including additional descriptions and emergency response information.

How to Use the 2016 Emergency Response Guidebook (ERG) – review how the DOT Emergency Response Guidebook is organized and how it can be used during the initial phase of a hazmat incident.

Please see Session “D” above for instructor bios.



Session “J” (1:15pm-4:30pm)

Chemical Suicide

Instructor: *Jamie Bethard, Chief/Manager, DNREC Emergency Prevention and Response Section (EPRS)*

Chemical suicides as we know them came to prominence in Japan in 2007 and have unfortunately migrated to the United States. The numbers of chemical suicides within the U.S. is believed to be drastically under-reported and may even be controversial by definition. Within calendar year 2015, Delaware had at least three chemical suicides. This course will discuss the current trends and discuss how Delaware responds or should respond to these unfortunate events. This program will be using training material acquired from Jacob Oreshan, a national recognized subject matter speaker on this topic. In addition, the Division of Forensic Science will be participating in this course.

Instructor Bio: Jamie Bethard is the Chief/Manager of DNREC’s Emergency Prevention and Response Section (EPRS). Jamie is a third generation Delaware firefighter and life member of the Magnolia Vol. Fire Co. Jamie has worked for the State of Delaware as an Industrial Hygienist, Environmental Health Specialist III, and for the last 27 years with DNREC’s Emergency Response Branch as an On-Scene Coordinator. Jamie is currently the Chief/Manager of the EPRS which is responsible for the Emergency Response, Accidental Release Prevention and Emergency Planning and Community Right to Know programs. Jamie has a Bachelor’s degree in Fire & Safety Engineering and a Masters in Safety Engineering.



Special Presentation (4:45 pm -5:45 pm)

Global HazMat Learnings

Instructor: *Edward Hawthorne, Global Emergency Response Discipline Lead, Shell Oil Company.*

This workshop will be a review of major hazardous material incidents and different types of response systems across the globe including the tragic West Texas Ammonium Nitrate explosion with information from the State of Texas Fire Marshal.

Instructor Bio: Mr. Hawthorne is a Life Member of the Aetna Hose, Hook and Ladder Company, Newark Delaware. He is presently the Safety Officer for the Newark, Texas Volunteer Fire Department. Mr. Hawthorne is a graduate of Oklahoma State University Fire Protection and Safety Program. He is past Chair of the Channel Industries Mutual Aid Association in Houston, Texas. He is also a Charter Member of the National Fire Service Incident Management Consortium, a member of the FEMA Incident Management Working Group, and a member of the San Jacinto Texas Type III Incident Management Team. Mr. Hawthorne has worked with fire departments in Delaware, Oklahoma, Louisiana, California, Arizona, Texas, Singapore, Netherlands, Canada, Argentina, South Africa, and many other areas. He is also a collector of antique fire apparatus.



Keynote Address: *Edward Hawthorne, Global Emergency Response Discipline Lead, Shell Oil Company.*

Increasingly, the fire service, industrial, career, and volunteer community departments are being stretched with reduced resources and increasing response demands in an increasingly-complex environment. We will discuss how this is presently being dealt with across the globe in places such as Singapore, South Africa, Germany, and Australia. We will also discuss the success of joint industry and community emergency services in several areas of the United States, which have been very successful dealing with major fires, gas releases, hurricanes, and tornadoes.

For Questions Regarding this Workshop, Contact Jerry Brennan:
Phone: (302) 739-4773 or via email at jerry.brennan@state.de.us

Thank You to Our Workshop Partners:

