



State of Delaware 11th Annual Hazardous Materials Training Workshop



Workshop Training Sessions

Course Descriptions and Instructor Information

Friday, May 11, 2018

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

8:30 am-5:15 pm - Training Sessions

Delaware State Fire School

1461 Chestnut Grove, Dover, DE 19904

See Separate Course Descriptions for Classes to be held Saturday, May 12, 2018

"Educating Responders for Today and Tomorrow"

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

"Hospital Infectious Disease and Chemical Decontamination" – Part 1, Classroom Theory

Instructor: Joe Leonetti and staff, Director 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. (**NOTE:** This is a FULL morning 3-hour class. Hospital personnel who wish to receive DE State Fire School CEU credit must attend both Session A-Hospital DECON Part 1 (Classroom) and also Session G, Hospital DECON Part 2 (Practical) for a total of 8 hours Hospital Hazmat Refresher training for the day. Other (non-hospital) attendees may register for either session.)

Instructor Bio: Joe Leonetti:

Joe has been a member of the Delaware Fire Service for over 50 years. He has served as a Firefighter/EMT, Captain, Assistant Chief, Deputy Chief and Fire Chief with the Elsmere Fire Company. Joe is an instructor for the National Fire Academy, the New Mexico Tech Energetic Materials program, and the Delaware State Fire School. Joe is a United States Army veteran. He has been the Team Leader of the New Castle County Special Operations Hazmat/Decon Team for the past 35 years; and serves on numerous State and County Hazardous Materials and Homeland Security committees.

Joe served as the Emergency Manager for New Castle County, Delaware before going to work at St. Francis Hospital in Wilmington, Delaware, where he is currently the Sr. Director of Operations for Support Services. This position also includes Joe being the Director of Emergency Medical Services, which provides 9-1-1 BLS service to the City of Wilmington.



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

Responding to Railroad Incidents

Instructor: David Schoendorfer, CHMM, System Manager Hazardous Materials, Norfolk Southern Corporation, Atlanta, GA

The goal of this session is to strengthen relationships with the first responders and the railroads consistent with the TRANSCAER® initiative. Participants will be provided a Railroad Emergency Response Planning Guide and access to the railroad mobile apps such as AskRail and Rail Crossing Locator.

The training will include the following topics:

- ✓ Information related to rail operations in DE
- ✓ Railroad 101 and Safety on Railroad property
- ✓ Rail Tank Cars and Locomotive Fires
- ✓ Case studies
- ✓ Phone numbers and points of contact in the event of a Norfolk Southern related incident;

- ✓ Notification procedures in the event of a hazardous materials incident;
- ✓ Flammable liquid unit trains;
- ✓ Information on how to identify ownership of local rail lines;
- ✓ Hazardous materials shipping paper descriptions and examples;
- ✓ Additional resources available to Norfolk Southern and the Local Emergency Planning Committees (LEPCs) in the event of an incident;
- ✓ Training and emergency response exercise opportunities available from Norfolk Southern.

The information will assist local responders and planners to prepare for and respond to any potential rail incident or emergency.

Instructor Bio: David Schoendorfer:

David Schoendorfer has over 27 years of experience in hazardous materials transportation. In his current role as system manager hazardous materials, David oversees all aspects of NS' hazardous materials compliance, risk management, safety training, and emergency preparedness and response across NS' 22-state system. David began his NS career in 1985 in the Transportation Department, where he has held several positions, including assistant trainmaster, supervisor system planning, and chief dispatcher. Prior to joining NS, David served as an artillery officer in the U.S. Marine Corps. David serves as chairman of the AAR Hazardous Materials Working Group and chairman of the AAR AskRail Task Force. He also is a member of the AAR Spent Nuclear Fuel Task Force, AAR Tank Car Committee, and the National TRANSCAER® Committee. David received his undergraduate degree from Georgia Institute Technology and master's degree from the University of Pennsylvania.



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: Dave Binder, Director of Quality, Safety & Regulatory Affairs and Lead Trainer in Ammonia Safety & Emergency Response Training (ASERT) program with Tanner Industries, Inc. in Southampton, PA.

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.

MUST BE CURRENTLY CERTIFIED AS A HAZMAT TECHNICIAN TO PARTICIPATE IN THE LIVE AGENT RELEASE EXERCISE

TO MAXIMIZE THE BENEFIT OF THE LIVE RELEASE EXERCISE IF YOU HAVE YOUR OWN SCBA AND LEVEL "A" SUIT YOU SHOULD USE IT FOR THE EXERCISE

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.

David 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 longtime faculty member of World Food Logistics Organization Institute at the Georgia Institute of Technology (Georgia Tech University) and University of California – Los Angeles (UCLA).



Session “D” (8:30 am - 11:45 am)

“Training for a CBRNE Response: a Safe Perspective”

Instructor: CARRIE A. POORE, Ph.D., Branch Chief Advanced CBRNE Training Branch

This course will begin with a discussion on training CBRNE Responders and examples of programs of instruction designed specifically to address the mission requirements of a particular group of people. Several broad categories fall under the material trained in these classes to include mission planning, site survey, protection, detection, sampling, decontamination, etc. These areas will be addressed to include lessons learned during the training process and implementation of methods and concepts taught. Further discussion will highlight how individual units benefit from these trainings as well as the ability for multiple units to operate more effectively with one another. Most importantly, the importance of safety in all of the above activities will be addressed throughout the lecture.

Instructor Bio: CARRIE A. POORE, Ph.D., Branch Chief, Advanced CBRNE Training Branch:

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 Edgewood Chemical Biological Center. She has over 14 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.



Session “E” (8:30 am – 11:45 am)

“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.



Session “F” (8:30 am - 11:45 pm)
“HazMat Incident Command for Company Officers” – Part 1

Instructors: Mark Dolan, Ron Dietrick, John Clawson

This class will cover the basic 8 step program of how to handle a Hazmat incident while incorporating the State emergency response plan and Bakken fuel as well as include scenarios with interaction from students so that we may better prepare ourselves for handling any Hazmat incident.

Instructor Bios:

John Clawson:

John Clawson retired from the DuPont Company with over 38 years of service in December 2004. During his tenure with DuPont, he implemented the DuPont CAER Car Program in 1989 and he also led the HazMat team at Chambers Works for six years. Mr. Clawson is a Level II instructor at the Delaware State Fire School and a Pro Board-certified HazMat Specialist, a volunteer firefighter, and a Decon team member. He helped to establish the New Castle County Industrial Hazardous Material Response Alliance (NCCIHMR) Team.

Mark Dolan:

Mark Dolan has been an active member of the Delaware Fire Service for over forty-two years, currently serving as the Deputy Chief and the Vice Chairman of the Board of Directors of the Mill Creek Fire Company. Mark is the Training Coordinator and a plank owner of the New Castle County Industrial Hazardous Materials Response Alliance (NCCIHMR), a staff member of the New Castle County Special Operations Hazmat Decon Team, and a member of the New Castle County Special Operations High Angle & Confined Space Rescue Team. Mark is a NREMT, a Pro-Board Certified Fire Officer III and Hazmat Technician, and has been a Delaware State Fire School Instructor for more than twenty-two years. During his thirty-one-year tenure in the chemical and manufacturing industries, he served in engineering, environmental health and safety, emergency response and incident management capacities. Mark has been serving as a State of Delaware Department of Natural Resources and Environmental Control (DNREC), Division of Waste and Hazardous Substances, Accidental Release Prevention Program Engineer for the past five years. He is a member of both the Delaware State Emergency Response Commission’s Planning and Training Committee and the Steering Committee of the Local Emergency Planning Committee for New Castle County.

Ron Dietrick:

Chief Dietrick is the Fire Chief for the Delaware City Refining Company and has worked at the Delaware Refinery since 1998. His experience includes close to 20 years of industrial emergency response, and more than 25 years as a volunteer in New Castle County. Chief Dietrick earned his Associates Degree in Emergency Services Management from Delaware Technical & Community College. He actively serves as a Field Instructor for the Delaware State Fire School, and has been a guest instructor for the Williams Fire and Hazard Extreme schools. He is an active member of the New Castle County LEPC, New Castle County Fire Chiefs Association, and the International Association of Fire Chiefs.



Session “G” (2:00 pm - 5:15 pm)
“Hospital Infectious Disease and Chemical Decontamination” – Part 2, Practical Training”

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

Students will set up a complete DECON area and understand the need for a DECON line to be operated safely and properly.

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 -Hospital DECON Part 1(Classroom) and also Session G- Hospital DECON Part 2 (Practical) for a total of 8 hours of Hospital Hazmat Refresher training for the day. Other (non-hospital) attendees may register for either session.

Please see Session “A” above for instructor bio.



Session “H” (2:00 pm - 5:15 pm)

Briefing: The FBI WMD Coordinator and Hazardous Evidence Response Team and Terrorism Involving the Food, Agro & Defense Industries

Lead Instructor: FBI Special Agent Erik Negrón, Assistant Instructor Leroy P. Pierce III

The Federal Bureau of Investigation (FBI) will deliver information in the classroom for first responders and the food, agro and defense industries concerning the role of the FBI WMD Coordinator, the FBI Hazardous Evidence Response Team, suspicious letters and packages, assisting FBI investigations, and the terrorism threat to the food, agro and defense industries.

Instructor Bios:

FBI Special Agent Erik Negrón:

Mr. Negrón is a Special Agent assigned as the Hazardous Evidence Response Team – Team Leader for the Philadelphia Field Office of the Federal Bureau of Investigation (FBI). In this capacity, he leads a WMD Technical Collection Team providing support to the U.S. Government’s response to Weapons of Mass Destruction incidents and threats, with the main effort being the technical collection of Chemical, Biological, Radiological, or Nuclear (CBRN) materials. Additionally, as team leader, he provides leadership, training, and subject matter expertise in hazardous evidence collection, as well as management and the processing of forensic evidence in CBRN crime scenes.

Mr. Negrón began his FBI career in 1992 as a Special Agent assigned to the Newark, New Jersey Field Office, targeting Caribbean, Mexican, Central and South American drug trafficking organizations and was a member of the Newark Field Office SWAT Team. In 1996, Mr. Negrón was transferred to the San Juan, Puerto Rico Field Office, where he served as a Special Operations Group Team Leader. During his tenure in San Juan, Mr. Negrón was also assigned to work Domestic Terrorism, with an emphasis on investigating Domestic Security threats.

In 1999, Mr. Negrón was transferred to the Philadelphia, Pennsylvania Field Office, where he continued to work Domestic Terrorism matters. Mr. Negrón was selected to be the Coordinator for the Joint Terrorism Task Force and in this capacity, managed a multi-agency task force that was responsible for responding to all terrorism investigations in the Eastern Pennsylvania and Southern New Jersey Area of Operations.

In 2005, while assigned to the Philadelphia Field Office, Mr. Negrón was selected as a member of the Hazardous Evidence Response Team, and as an Assistant Weapons of Mass Destruction Coordinator. In 2008, Mr. Negrón was deployed to Afghanistan to lead an FBI team conducting Sensitive Site Exploitation while embedded with a United States Army Special Forces Operational Detachment. While serving in Afghanistan, Mr. Negrón, the FBI and the SFOD team came under gunfire from Aaffia Siddiqui, a woman on the FBI’s Most Wanted Terrorist List. After her capture, Mr. Negrón rendered lifesaving medical assistance to her and recovered key evidence off the battlefield. For his actions, FBI Director Mueller awarded Mr. Negrón the FBI’s Shield of Bravery.

Mr. Negrón earned a Bachelor of Arts in Latin American History from the University of West Florida in 1991. He enlisted into the U.S. Army in 1982, serving first with the 82nd Airborne Division, where he deployed in 1983 under Operation Urgent Fury to the Island of Grenada. Retiring as a Major from the New Jersey Army National Guard in 2016, with 34 years of military service, he was awarded the Legion of Merit for Exceptional Meritorious Service. His last assignment was with the Office of the Inspector General.

Leroy P. Pierce III

Chief Fire Instructor, Chief of Haz Mat Response and Deputy County Fire Coordinator
Office of the Sheriff / Emergency Services, Salem County, New Jersey



Session “I” (2:00 pm – 5:15 pm)

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

Instructor:

Dave 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.

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.

See Session “C” above for the course description and instructor bio

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Session “J” (2:00 pm -5:15 pm)

“Bio Threat Brief”

Instructor: CARRIE A. POORE, Ph.D., Branch Chief Advanced CBRNE Training Branch

This course will discuss biological agents, characteristics of the different types of bio agents, and the small-scale production of such. Generalized medical effects will be addressed for the main types of bio agents. Basic theory regarding the motivation of using a biological agent will be covered. A discussion on challenges that exist in the development of detection platforms will show what we currently use now and where we are going as technology constantly improves.

Instructor Bio: CARRIE A. POORE, Ph.D., Branch Chief, Advanced CBRNE Training Branch

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 Edgewood Chemical Biological Center. She has over 14 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) Divisible 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.



Session “K” (2:00 pm - 5:15 pm)

US DOT PHMSA Sessions

Instructors: Anthony Murray, Dave Clark, US DOT 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 identify a non-bulk hazardous material package that is properly marked and labeled.

Placarding Requirements – learn how to determine the required placarding for containers and motor vehicles transporting hazardous materials.

Shipping Papers and Emergency Response Information – learn how to properly describe a hazardous material on a shipping paper including emergency response information using the 2016 Emergency Response Guidebook.

Instructor Bios:

Tony Murray:

Tony Murray joined the U. S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) in August of 2000. As a member of the Hazardous Materials Safety Assistance Team (HMSAT) he is available to help business find the resources needed to comply with the Hazardous Materials Regulations (HMR) and to provide compliance assistance to Federal, state, local governments and the private sector.

Dave Clark:

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 35 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 “L” (2:00 pm – 5:15 pm)

“HazMat Incident Command for Company Officers” – Part 2

Instructors: Mark Dolan, Ron Dietrick, John Clawson

See Session “F” above for the course description and instructor bios.



"No Cost" for Workshop Attendees!

State of Delaware – 11th 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 Jerry Brennan:
Phone: (302) 739-4773 or via email at jerry.brennan@state.de.us**

Workshop Partners include:

