



State of Delaware 10th Annual Hazardous Materials Training Workshop



◆◆◆◆◆ Workshop Training Sessions

Course Descriptions and Instructor Information

Friday, April 7, 2017

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 8, 2017
"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), 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 E, 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 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, Shippensburg, PA

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 Docimo Associates, LLC, Shippensburg, PA



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 is the Director of Quality, Safety & Regulatory Affairs and Lead Trainer in Ammonia Safety & Emergency Response Training (ASERT) program with 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 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” (8:30am-11:45am)

“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” (8:30am – 11:45am)

“CBRN For Beginners”– Part 1, History & Fundamentals

Instructor: Miranda Mal, Emergency Manager

This session will teach introductory level “open-source” Chemical, Biological, Radiological/Nuclear and Explosives information. It will discuss a brief history of CBRN agents as well as their precursors. There will be discussion regarding hazard behavior and the best methods to rapidly identify and protect emergency responders without endangering lives or destroying resources. The objective is to remove some of the mystery regarding CBRN agents to better equip emergency responders at all levels. **Attendees are encouraged to bring smartphones/tablets to facilitate future research.**

Instructor Bio: Miranda Mal: Miranda Mal has been an emergency manager in the US Air Force for fifteen years. In that capacity, she has served as a Chemical, Biological, Radiological/Nuclear (CBRN) emergency response team leader and exercise planner/evaluator. She has served as an instructor for Hazardous Materials Awareness and CBRN defense survival skills over ten years. Mrs. Mal specializes in contingency planning and served as lead emergency manager for Dover Air Force Base. She has previously served on the DE Family Emergency Preparedness Day and Kent County Local Emergency Planning Committees.



Session “F” (1:15pm-4:30pm)

“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 E- 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 “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, Shippensburg, PA

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: Dave Binder is the Director of Quality, Safety & Regulatory Affairs and Lead Trainer in Ammonia Safety & Emergency Response Training (ASERT) program with 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.

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



Session “I” (1:15pm-4:30pm)

“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) 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 “J” (1:15pm-4:30pm)

“CBRN For Beginners”– Part 2, Case Studies and Research

Instructor: Miranda Mal, Emergency Manager

This session will expand on introductory “open-source” Chemical, Biological, Radiological/Nuclear and Explosives information. Part 1 is recommended but not required. It will examine case applicable case studies of agent exposure and emergency response. There will be opportunity for cross-talk regarding hazardous materials research methods and response procedures. The objective is to rapidly identify and respond, as well as know what *not to do* on a suspected CBRN response. **Attendees are encouraged to bring smartphones/tablets as well as copies of the DOT Emergency Response Guidebook to facilitate future research.**

Instructor Bio: Miranda Mal: Miranda Mal has been an emergency manager in the US Air Force for fifteen years. In that capacity, she has served as a Chemical, Biological, Radiological/Nuclear (CBRN) emergency response team leader and exercise planner/evaluator. She has served as an instructor for Hazardous Materials Awareness and CBRN defense survival skills over ten years. Mrs. Mal specializes in contingency planning and served as lead emergency manager for Dover Air Force Base. She has previously served on the DE Family Emergency Preparedness Day and Kent County Local Emergency Planning Committees.



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Hosted by

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“Educating Responders for Today and Tomorrow”

***For Questions Regarding this Workshop, Contact Jerry Brennan:
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Workshop Partners include:

