State of Delaware
7th Annual Hazardous Materials Training Workshop

Workshop Training Sessions

Course Descriptions and Instructor Information

Saturday, April 26, 2014

7:00 am-8:30 am: Registration-Continental Breakfast-Exhibitor Booths
8:30 am-4:15 pm - Training Sessions
Delaware State Fire School
1461 Chestnut Grove, Dover, DE 19904

See Separate Course Descriptions for Specialized Pre-Workshop Classes to be held Friday, April 25, 2014

“Educating Responders for Today and Tomorrow”

Session #1: “The Paulsboro Train Accident: Lessons Learned”:
Instructor Chief Alfonso G. Giampola, Fire Chief and Councilman, Paulsboro Fire Department

On November 30, 2012, at approximately 7 am EST, a southbound Conrail freight train, consisting of two locomotives and 82 cars derailed seven cars while traveling over a movable bridge spanning Mantua Creek in Paulsboro, NJ. Four tank cars, three containing vinyl chloride and one containing ethanol, came to rest in Mantua Creek. One of the derailed tank cars was breached and released approximately 20,000 gallons of vinyl chloride into the creek and surrounding area. No fatalities resulted from the accident; however, the accident became the focus of intense public scrutiny that resulted in an exhaustive investigation by the National Transportation Safety Board that resulted in a 2-day NTSB hearing in Washington, DC. In opening the hearings, the NTSB released nearly 6,500 pages of investigative documents.

Chief Giampola will present his first-hand account of the challenges that he and other first responders faced during this incident, and the lessons he and his company learned from this experience. (3-hour session)

Instructor Bio: Fire Chief Alfonso Giampola:
Alfonso Giampola has been with the Paulsboro Fire Department since 1977, and currently serves as Paulsboro Fire Department Chief and Paulsboro Councilman. Chief Giampola has more than 35 years of extensive hazardous materials training, including numerous certifications in emergency firefighting response, Incident Command management and industrial fire protection strategies and tactics.

Session #2 “Ethanol Safety and Response Seminar” (Part 1) and Session #8 “Ethanol Safety and Response-Hands-on Training” (Part 2)
(Co-Instructors: Ron Dietrick, Delaware City Refinery, Fire Chief; and Bill Kelly, Sunoco Emergency Response, Safety & Security)

Topics in the morning session (Part 1) will discuss safety and response techniques involving ethanol and ethanol blended fuels, the chemical and physical properties of ethanol and hydrocarbons, transportation and transfer of ethanol-blended fuels, storage and dispensing, firefighting foam principals, health and safety considerations for ethanol blended fuel emergencies, and tank farm and bulk storage issues. A live burn will be conducted in the afternoon (Part 2 - Session #9). NOTE TO REGISTRANTS: Bring your turnout gear if you wish to participate with the live burn evolutions. (Note: Part 1 is a 3-hour morning session; Part 2 is a 3-hour afternoon session)

Co-Instructor Ron Dietrick Bio: Chief Dietrick is the Fire Chief for the Delaware City Refining Company and has worked at the Delaware Refinery since 1998. His experience includes 13 years of industrial emergency response, and more than 20 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.
Co-Instructor Bill Kelly Bio: Chief Kelly is a Certified Fire Protection Specialist through the NFPA. He has 25 years of refinery fire chief experience with Sunoco, Inc. and presently employed by Sunoco Logistics as the Emergency Response, Safety and Security supervisor. He is a life member, past chief and chief emeritus of the Claymont Fire Department and presently serves as the deputy fire chief with the Hartly Fire Department. He also actively serves as a field instructor with the Delaware State Fire School and has done so for twenty five years. He also served as past president of both the New Castle County Fire Chiefs Association and Delaware Valley Fire Chiefs Association. The Chief authors the “Saving Fireman Ryan” articles in the Delaware Fire Service News.

Session #3 “Poultry Industry Chemical Safety”
Instructor Panel: Perdue Farms and Mountaire Farms representatives; Moderator: Charles (Chip) Stevenson, Sussex County LEPC

The Chemical Safety Course, being taught by leading Safety, Health and Environmental managers of the Delmarva Poultry Industry will cover several vital topics.
- Mitigation- Our capability for a safe response
- Bulk chemical deliveries - Lessons learned
- Ammonia-Near misses/Incidents/Ammonialingo

Panel Members: Perdue Farms:
Tanya Rogers-Vickers: Ms. Rogers-Vickers started her career at the Perdue Georgetown facility in 1997, transferred to Corporate in 2002 and to the Perdue Salisbury Plant in 2007. Sixteen years later, she is working again at the Perdue Georgetown facility as the Environmental Manager, responsible for one processing facility, two hatcheries, two feedmills, two grain facilities and 2 breeder farms on Delmarva.

Joe Bedard: Mr. Bedard is the Safety & Security Manager at the Perdue Foods, LLC Georgetown DE Processing Complex. He has a Bachelors Degree in Mechanical & Electrical Engineering from Union College in Schenectady, NY, and a Masters Degree in Business Administration from St. Francis University in Loretto, PA. Joe has over 30 years of experience in Process Automation and Control, Program Management and Workplace Safety in the Automotive, Industrial Chemicals, Broadband Electronics and Food Industry. He is a Lean Six Sigma Master Black Belt and is a Green Belt Certified Trainer through AlliedSignal – Honeywell International. He is also a trainer for Hazardous Waste Operations and Emergency Response (Hazwoper) and Incident Commander Response Protocols

Brian Hughes, CSP – Mr. Hughes serves as Corporate Divisional Safety Manager for Perdue Farms and is a graduate of Slippery Rock University with a B.S. in Occupational Safety and Health Management in 1987. He began as a Loss Prevention Representative with large Multi-state and Multi-line business insurance industry from 1987 to 1992 before moving into private manufacturing of paper products for the private label market and then onto join Perdue Farms in 1995. He has worked as a Safety & Security manager in three slaughter operations from Georgetown, DE, Dothan AL & Milford, DE. Promoted into his corporate safety position in 2001, Brian currently has responsibility over two divisions of operation encompassing about 8,000 Perdue Associates.

Panel Members - Mountaire Farms
Bob Kendall – Mr. Kendall began his safety career in 1980 with Esskay Meats in Baltimore. Since then, he has worked largely in the food manufacturing sector. For the past 18 years, he has been with Mountaire Farms. Currently, Bob serves as the Delaware Complex Safety and Health Manager, responsible for a processing plant, feed mill, hatchery, nine grain facilities and a resource recovery plant, all on the Peninsula.

Joe “Safety” Beyerl – Mr. Beyerl served 15 years in the Marine Corps followed by 20 years of industrial safety experience in poultry and bottling facilities. Joe is currently responsible for one poultry processing complex, 2 feed mills, 1 hatchery and grain elevators, spread over the Delmarva Peninsula.

Session Moderator:
Charles “Chip” Stevenson: After 22 years in the food industry, Chip retired and transitioned into a new career with Sussex County as a 911 dispatcher. After several years in this role, he accepted a position as the Chairman of the Local Emergency Planning Committee. He works with industry, local and state first responders and concerned citizens to provide a forum for emergency preparedness.
Session #4 “HazMat Incident Management: Problems, Pitfalls and Solutions”
Instructor: Gregory G. Noll, CSP, CEM
This workshop will consist of two integrated parts: Part One will review the Eight Step Process as a framework for the tactical management of a HM/WMD emergency, and Part Two will focus on the interpersonal and organizational dynamics associated with the management of hazardous materials and special operations emergencies. Using a facilitated discussion process, the workshop will provide a forum for discussion with an emphasis upon incident problems, solutions, and lessons learned. (3-hour session)

Instructor Bio: Greg Noll. Mr. Noll serves as the Program Manager for the South Central PA Regional Task Force (SCTF), one of nine regional task forces established throughout Pennsylvania. Greg is also a senior partner with Hildebrand and Noll Associates, a consulting firm specializing in emergency planning, response and incident management issues. Greg has 43 years of experience in the fire service and emergency response community, and is the co-author of nine textbooks on hazardous materials emergency response and management topics.

In 2011 he was the recipient of the John M. Eversole Lifetime Achievement Award by the International Association of Fire Chiefs (IAFC) for his leadership and contributions to further and enhance the hazardous materials emergency response profession. He currently serves as Chairperson - NFPA Technical Committee on Hazardous Materials / WMD Response Personnel and as State/Local Co-Chair for the InterAgency Board (IAB) Training and Exercise SubGroup. Greg also serves as a member of the IAFC Hazardous Materials Committee, the Fire Engineering Magazine Editorial Advisory Board, and the Fire Department Instructors Conference (FDIC) Advisory Committee.

Note: Mr. Noll will also be presenting the Workshop Keynote Address at the Teambuilding Dinner on Friday, April 25th at 6:00 pm. Title of his keynote address will be “Is Mediocrity the New Excellence?”

Session #5 - “HazMat Emergency Medicine”
Co-Instructors: Dr. James Flowers, Saint Francis Healthcare Emergency Medicine Department and Fred Haas, Paramedic District Supervisor, Sussex County EMS

Dr. Flowers and Mr. Haas will present an overview of patient care management based on common hazmat incidents. (3-hour session)

Co-Instructor Bio: James Flowers, D.O.: Dr. James Flowers completed his undergraduate degree at La Salle University. Shortly after, he attended Des Moines University, College of Osteopathic Medicine and Surgery. He received his MBA at Saint Joseph’s University. In 2013, Dr. Flowers was recognized by the American Osteopathic Association as a Guardian of the Profession, and he received a Delaware Today Top Doc award for Emergency Medicine. He was named Medical Director of the Year for TeamHealth East Region in 2012.

Prior to joining Saint Francis Healthcare, Dr. Flowers was the CEO of Saint Agnes Continuing Care Center. At Saint Francis Healthcare, Dr. Flowers is currently the President of the Medical Staff, the Chairman/Medical Director of Emergency Medicine and Emergency Services, and the Chairman of the Emergency Preparedness Committee. He is Board Certified in Emergency Medicine. He is also a board member for the American College of Emergency Physicians, the Medical Society of Delaware, and the Delaware State Osteopathic Medical Society.

Co-Instructor Bio: Fred Haas: Mr. Haas is a Paramedic District Supervisor for Sussex County EMS. In addition, he is a member of the department’s Hazardous Materials Medical Response Team and their Tox-Medic coordinator. He also works for the Delaware Office of EMS as their Domestic Preparedness Coordinator. Finally, he is the EMS Captain for Selbyville Volunteer Fire Company.

Session #6: “Hospital DECON Part 1 - CLASSROOM TRAINING”
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. (Total 3-hour session)

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 #6-Hospital DECON Part 1 (Classroom) and also Session #12, 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 47 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 25 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 #7 – “Rapid Risk Assessment Techniques” (Risk-based Air Monitoring)
Instructor Bio: FRANK DOCIMO:
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 firefighter. But he has to know how the enemy will behave in order to effectively deal with a hazardous material. Responders cannot begin to deal with a hazardous materials incident without a basic grasp of chemistry. Using the Docimo model role and the RRAT technique any-one can understand the basic aspects of chemical behavior. Using this knowledge may save your life. The behavior of a chemical and the sequential events of a hazardous materials incident are crucial to dealing with the incident. (3-hour session)

Instructor Bio: Frank Docimo: Frank Docimo has been affiliated with the fire service for over 40 years and currently serves as the Hazardous Materials Coordinator for State of Wisconsin Emergency Management. Frank previously had been with Haz-Mat One in the City of Stamford. 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.

Session #8: “Ethanol: Hands-on Training” (Part 2)
See Session #2 above for course description of Part 1 and Part 2 of this Ethanol training course.

Session #9: “Ammonia: Hands-on Training” (Instructor Dave Binder, Tanner Industries)
TRANSCAER® presents ‘Taming The Tiger In The Tank’ – emergency response control and containment techniques for Anhydrous Ammonia – by letting the Tiger Out. This is a hands-on intensive session with live release anhydrous ammonia drills. It is not often that response personnel get to train with live agent chemicals -- this is an opportunity for live release exercises with anhydrous ammonia. The Session will focus on training personnel on implementing and using “tarp and cover” methods for controlling and containing an anhydrous ammonia leak. There will be a short classroom session in regards to the methodology as well as a drill safety briefing and role assignments. This will be followed by hands-on training on the drill field with live ammonia releases. A debriefing following the exercises will complete the session. (3-hour Session) NOTE: This Class is limited to 25 Students

Instructor Bio: David Binder, of Tanner Industries Inc in Southampton, Pennsylvania, is the Director of Quality, Safety & Regulatory Affairs, and leads the Ammonia Safety & Emergency Response Training program known as ASERT program. He has been in the ammonia industry and emergency response training and planning 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 also speaks and presents at numerous Federal, State and Industry Association conferences. He is very involved and in leadership positions with various industry associations, including National Association of Chemical Distributors (NACD), World Food Logistics Organization (WFLO), National Transcaer Task Group; 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 LEPC) and other associations.
Session #10: “One Pot Meth Labs Update – Delaware’s Response to a Growing Problem”
Co-Instructors John “Jake” Kelton, Merit Training, and Matthew Higgins DNREC Emergency Prevention & Response Section

Individuals attending this presentation will gain an expert understanding of “One Pot” meth labs and the strategic methods used to safely process these meth 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 which resembles the One Pot meth lab but possesses a very different, but lethal characteristic. (3 hour session)

Instructor Bio: JOHN “JAKE” KELTON: John “Jake” Kelton is owner and main instructor for MERIT Training programs LLC, and has certified more than 5000 officers in 30 states in the safe response to meth labs. Mr. Kelton holds Bachelors of Science degrees in both Biology and Chemistry, and has completed additional training from the DEA, Pennsylvania State Police and Several Meth Lab training seminars. As a Forensic Scientist assigned to the Clandestine Lab Response Team with the Pennsylvania State Police he responded to more than 450 meth lab incidents. In addition to processing the meth lab sites, he conducted the laboratory analysis of the evidence and presented the laboratory results in a formal report and as an expert witness during prosecution in State, County and Federal investigations. He has aided in the writing of several parts of legislation regarding meth labs. Mr. Kelton worked for the Pennsylvania State Attorney General’s Office in 2006 as a Narcotics Agent specializing in the investigation of illegal methamphetamine labs. He has investigated more than 120 meth labs and filed criminal charges against more than 200 individuals involved in meth manufacturing, while managing a Federal Task Force assigned to investigate meth labs. As a Narcotics Agent he was assigned as an academy instructor with the Attorney General of Pennsylvania. He has briefed SWAT members and planned meth lab raids in more than 150 incidents. Mr. Kelton has authored 20 manuals focusing on processing, responding to, raiding, recognizing, and overall understanding of clandestine meth labs.

Co-Instructor Bio: Matthew Higgins, DNREC Emergency Response Team: 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 Bachelors 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.

Session #11: “Advanced HazMat Life Support (AHLS) for Toxic Terrorism, Bioterrorism and RAD Terrorism”
(Instructor: Lt. David Mick, BA, NREMT-P - Kent County Public Safety)

The AHLS for Toxic Terrorism: Chemical, Biological, Radiological and Nuclear Casualties program is derived from the AHLS Provider course and is intended for those who need the information, but are unable to attend a 2-day Provider course. Course consists of didactic lecture and tabletop exercises. No exams or pre-requisites are required. The course focuses on the assessment and medical care for exposed patients, however, even non-care giving responders can gain an understanding of how to recognize the symptoms of a hazmat exposure. The target audience includes (but not limited to) EMTs, Nurses, Physicians, and Industrial Hygiene professionals. Participants of AHLS for Toxic Terrorism will be able to:

- Rapidly assess toxic terrorism patients
- Recognize toxic syndromes (toxidromes)
- Identify and administer specific antidotes, antibiotics and vaccines for toxic terrorism patients
- Apply the Poisoning Treatment Paradigm™

(3-hour Session) NOTE: This Class is limited to 25 Students!

Instructor Bio: Lt. David Mick, BA, NREMT-P: Lt. Mick has been a practicing Paramedic since 1990, and has been a Fire Service EMT since 1974. In addition, he has served as an AHLS Instructor since 2001 and Course Director for Delaware Hazmat Tech at the Delaware State Fire School. Lt. Mick is currently the Special Operations officer, Kent County Department of Public Safety, Division of EMS.
Students will set up a complete DECON area and understand the need for a DECON line to be operated safely and properly. (3-hour session). **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 #6-Hospital DECON Part 1(Classroom) and also Session #12- 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.

**Instructor Bio: Joe Leonetti:** Joe Leonetti has been a member of the Delaware Fire Service for over 47 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 25 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 #13: “PPE Survival Obstacle Course”**
*(Co-Instructors, Bruce Galloway, Darryl Meade and William “Bill” Jack, DuPont Experimental Station)*

This course is designed to make the student aware of the effects that physical activities have on the haz-mat technician while working in a Level “A” suit. Participants will first be given a brief classroom orientation on the different aspects of the physical demands of the class and then they will suit up and go through a series of physical activities. After each station the participant will take Oxygen readings from inside the suit to demonstrate to them the direct relationship that work has on the environment inside the suit. *(3-hour Session) NOTE: This Class is limited to 20 Students*

**Co-Instructor Bio: Bruce Galloway:** Mr. Galloway has worked for DuPont for 41 years, and for the past 28 years served as DuPont Experimental Station Fire Chief. In addition, Bruce is a certified HazMat Technician, a Delaware State Fire School Instructor, Past Deputy Chief at Wilmington Manor Fire Company and a Member of the New Castle County Industrial Hazardous Materials Alliance.

**Co-Instructor Bio: Darryl Meade:** Mr. Meade has worked with Emergency Response at DuPont for 28 years as a Fire Fighter and Hazmat Technician. He is currently Assistant Chief of the DuPont Experimental Station’s response team. He is a certified HazMat technician, Delaware State Fire School Instructor, Past member of Chester County’s HAZMAT response team, New Castle County Industrial Hazardous Materials Alliance, Technical Decontamination team and West Nottingham Townships Radiological Safety Officer.

**Co-Instructor Bio: Bill Jack:** Bill Jack is an Associate Investigator at the DuPont Experimental Station and has served more than 20 years as a member of the Experimental Station Emergency Response Team. He is trained in Hazardous Material Response, Fire, Confined-Space/Rope/Vehicle Rescue & Fire. In addition, Bill is a Pro-Board Level II Fire Instructor, and is also a part-time instructor at the Delaware State Fire School and member of New Castle County Industrial Hazardous Material Alliance.

**State of Delaware – 7th Annual Hazardous Materials Training Workshop**
*Hosted by*

**Delaware State Fire School - 1461 Chestnut Grove, Dover, DE 19904**

**“Educating Responders for Today and Tomorrow”**

**For Registration Form and/or Questions Regarding this Workshop Contact:**
Lois Mathews @ Delaware Emergency Management Agency at Phone: (302) 659-2225 or via email at lois.mathews@state.de.us

**Workshop Partners include:**