24th Annual
Hazardous Materials Seminar
April 28-30, 2017

The New York State
Academy of Fire Science
Montour Falls, NY

All Emergency Responders are cordially invited to the 2017 NY State Hazmat Response Seminar which will be held April 28-30, 2017 starting at 1pm at the NY State Fire Academy, Montour Falls, NY.

Pre-Seminar training will be offered April 28th starting at 8 a.m.
Chlorine Emergency Kits/Midland ERK Hands-on Training
Chlorine remains a very dangerous chemical when released. This program will review use of the Chlorine Emergency Kits (A, B, and C) as well as the Midland Emergency Response Kit. This program will include a lot of hands-on time properly applying the kits. Students are welcome to bring turnout gear, Level A or B training suits, and SCBA if they wish to utilize for the training (you must provide completed Training Authorization Letter provided on page 4), however this equipment is not required. A minimum of work boots, gloves, eye and head protection is required.
PREREQUISITES: Hazardous Materials Technician- Basic or HMT Modules 1 and 2
AUDIENCE: Technicians
PRESENTERS: John Gabryelski, Rich O’Hara, and Troy Scarrow
OFFERING: Friday 8:00am – 12:00pm

LNG for First Responders
LNG is no longer only found in large tanker ships and import/export storage tanks. You may find LNG fueling all types of ships, boats, ferries, trucks, buses, locomotives, and even construction equipment. These LNG fueled vehicles and vessels may also be transporting LNG. This program is designed to familiarize participants about this super cold liquefied gas. Topics covered will include a look at its properties, its benefits and its dangers. This is a classroom only presentation; PPE is not required.
PREREQUISITES: Hazardous Materials Operations or Firefighter I
AUDIENCE: Operations, Command
PRESENTER: Thomas Guldner
OFFERING: Friday 8:00am – 4:30pm

Tank Trailer Incident Response
Initially, a brief classroom discussion will go over the basics of various tank trailers in hazardous materials service along with lessons learned at various incidents. The major focus will be on MC306/DOT406 trailers and MC307/DOT407 trailers. Outside activities will include bonding/grounding, product transfers, and leak mitigation. Students attending will need basic PPE: work boots, gloves, eye and head protection. Students should also be prepared to work in changing weather conditions. There is no need for firefighter turnout gear nor SCBA.
PREREQUISITES: Hazardous Materials Technician- Basic or HMT Modules 1 and 2
AUDIENCE: Technicians
PRESENTERS: Ed Fletcher and Dan Baker
OFFERING: Friday 8:00am – 12:00pm

Mail or fax attached registration form(s)
AND documentation of prerequisites (required) to:
NY State Academy of Fire Science
600 College Avenue
Montour Falls, NY 14865
607-535-4841 (fax)
# Fire Prevention and Control

## Personal Information

**NAME (Last, First, MI)**

**TRAINING IDENTIFICATION NUMBER**

**HOME ADDRESS (Street, PO Box)**

**CITY** [ ] **STATE** [ ] **ZIP** [ ]

- [ ] CHECK IF NEW ADDRESS
- [ ] MALE
- [ ] FEMALE

**DAYTIME PHONE**

**EVENING PHONE**

**FAX #**

**E-MAIL ADDRESS**

## Sponsoring Organization

**FIRE DEPARTMENT ID #**

**COUNTY**

**SPONSORING ORGANIZATION**

**STREET ADDRESS, PO BOX**

**CITY** [ ] **STATE** [ ] **ZIP** [ ]

- **FD PHONE#**
- **FD E-MAIL or FAX**

**NAME/TITLE - HEAD OF THE SPONSORING AGENCY**

**SIGNATURE - HEAD OF THE SPONSORING AGENCY**

**Date** [ ]

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## Choose Check First Choice:

- [ ] **FIRE ACADEMY**
  - [ ] COURSE CODE #
  - [ ] COURSE TITLE
  - [ ] DATES:

**Hazards Materials Pre-Seminar**

**April 28, 2017**

- [ ] Chlorine Emergency Kits/Midland ERK Hands-on Training

- [ ] LNG for First Responders

- [ ] Tank Trailer Incident Response

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## Course Registration -

- **NOTE:** Payment MUST Accompany Registration
- **Registration Fee is MANDATORY AND NONREFUNDABLE**

- [ ] NYS Resident - $25
- [ ] Out-of State - $50

- [ ] Materials Fee (if applicable) payable upon arrival
  - See course description (may not include required text book)

- [ ] Prerequisite Proof (if applicable)
  - Must accompany registration

## Academy Accommodations - payable upon arrival

- [ ] Resident – includes Meals & Lodging
- [ ] Commuter – includes breakfast & lunch
- [ ] Commuter dinner - $9/day (optional)

## Registration, Material and Accommodations Fees:

- **Registration Fee** (include w/registration) $_______
- **Materials Fee** (if applicable – payable upon arrival) $_______
- **Accommodations Fee** (payable upon arrival) $_______
- **Optional commuter dinner(s)** $_______
- **Total enclosed:** $_______
- **Balance due upon arrival:** $_______

## Reasonable accommodation request:

[ ] Share room with: ____________________________

## Payment Method

Make checks, money orders & vouchers payable to: **Academy of Fire Science**

- [ ] Check
- [ ] Signed Voucher
- [ ] Bill Meals & Lodging to Student

**VISA** [ ] **MasterCard** [ ] **Discover** [ ]

**Card #** [ ]

**Expiration Date** [ ] [ ]

**Security Code** [ ]

**Total Charge:** $_______

**Signature** [ ]

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**Please review the application to make certain it is complete and the required payment and prerequisite proof are enclosed.**

**This form is on the web at [www.dhses.ny.gov/ofpc](http://www.dhses.ny.gov/ofpc)** • **MAIL OR FAX APPLICATION TO FIRE ACADEMY ONLY**

**NOTE:** Due to participant demand, the deadline for all Academy course registrations is 20 days before the course start date. If your registration is not received by this deadline, we cannot guarantee placement in the requested course. Call the Academy for further information.
To the Office of Fire Prevention and Control:

The firefighter listed below is an active member of _________________________________ Fire Department, is at least 16 years of age, and is authorized to attend the course indicated below. I understand this training course may contain certain evolutions that simulate and/or create actual firefighting or rescue conditions. The Office of Fire Prevention and Control is not responsible and/or liable for any malfunction or damage to any equipment used during this training program.

<table>
<thead>
<tr>
<th>PLEASE PRINT ALL INFORMATION</th>
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<tr>
<td><strong>Fire Chief Authorization</strong></td>
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<tr>
<td>Fire Department</td>
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<td>Fill in YES or NO</td>
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<tr>
<td>The firefighter listed below has medical clearance to use Self Contained Breathing Apparatus, (SCBA), in accordance with 29 C.F.R. part 1910. 134.</td>
</tr>
<tr>
<td>The firefighter listed below is authorized to use SCBA and participate in interior/exterior firefighting evolutions.</td>
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</table>

If you cannot answer the questions above because you do not know the requirements of 29 C.F.R. Part 1910 or do not know whether the firefighter listed below is authorized to use SCBA, please contact your County Fire Coordinator or OFPC.

<table>
<thead>
<tr>
<th>Print Chief’s Name</th>
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<td>Course Information</td>
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<td>Course Record #</td>
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<th>Student Information</th>
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<td>Address</td>
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<td>Home Phone</td>
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I, ______________________, have read, fully understand and agree with above information. I understand and acknowledge the importance of safety during the training course and further acknowledge that if an instructor believes that my behavior or abilities may cause a safety risk to myself or another, the instructor has the authority to remove me from the simulation or course.

SIGNATURE OF FIREFIGHTER DATE

And, if firefighter is 16 or 17 years old, the following consent must be provided:

I, ______________________, parent or legal guardian of ______________________ consent to his/her participation in the training listed above. I have read, fully understand, and agree with the above information. I understand and acknowledge that safety is important during the training course and further authorize the instructor to remove ______________________ from the simulation or course if the instructor believes that his/her behavior or abilities may cause a safety risk to himself/herself or another.

SIGNATURE OF AUTHORIZED LEGAL GUARDIAN DATE

PRINTED NAME RELATIONSHIP TO FIREFIGHTER

Please Note: No persons under the age of 16 may attend or participate in any training course delivered by the Office of Fire Prevention and Control. Additional copies of this form are available at http://www.dhsses.ny.gov/ofpc
Carfentanil and the Emergency Responder
This presentation will address the hazards posed by Carfentanil, a synthetic opioid with a clinical potency 10,000 times greater than morphine or pure heroin and 100 times that of standard fentanyl. Posing a grave danger to first responders in emergency medical situations due to its extreme potency and ability to be absorbed into the skin, as little as a grain of it - 20 micrograms can kill a human being. This lecture will cover topics including the dangers associated with this new drug, signs of exposure, field treatment options, and how to protect yourself.

AUDIENCE: Operations
PRESENTER: Dave Sayles
OFFERINGS: Saturday 8:00am – 9:30am, Sunday 8:00am – 9:30am

Chlor-Alkali Products: Chemical Properties and Safe Handling
The presentation will cover basic chemical properties and safe handling of chlorine, hydrochloric acid, and sodium hydroxide (caustic) for hazardous materials responders.

AUDIENCE: Technicians
PRESENTERS: John Gabryelski and Rich O’Hara
OFFERINGS: Friday 3:00pm – 4:30pm, Saturday 8:00am – 9:30am, Saturday 10:00am – 11:30am

Dangerous Mail Investigations
This presentation will provide an overview of the Postal Inspection Service - who they are and what they do. It will also provide a description of the portable screening equipment that they utilize along with Bio-Hazard Detection System equipment in use in the processing facilities. Information will be shared about their past responses and response protocols.

AUDIENCE: Operations, Command
PRESENTER: Landen Hawkins
OFFERINGS: Saturday 10:00am – 11:30am, Saturday 1:00pm – 2:30pm, Saturday 3:00pm – 4:30pm

Emerging Technologies for HazMat/CBRNE Response
The threats to which you must be prepared to respond have evolved significantly over the past few years. This presentation will focus on the evolving threat (CBRNE, drugs, HMEs, suicide methods, etc.) and how you, as responders, must evolve in your response capabilities to meet this threat. Finally, the presentation will also identify new and emerging technologies under development to address these threats in the areas of detection, decontamination, protective equipment, decision support tools and training.

AUDIENCE: Operations, Command, EMS
PRESENTER: Dr. Christina Baxter
OFFERINGS: Friday 1:00pm – 2:30pm, Friday 3:00pm – 4:30pm, Saturday 8:00am – 9:30am, Saturday 10:00am – 11:30am
Hazardous Materials Chemistry and Risk Based Response
This presentation will help students to understand the dynamic and graphic tendencies of flammable liquids and explosive flammable gasses as well as VCE (Vapor Cloud Explosion) properties and demonstrations. Additionally, the lecture will focus on the importance and fundamentals of atmospheric monitoring during responses to hazardous materials and WMD events. Some of the topics covered include vapor pressure, boiling point, explosive limits, flash point, vapor density, reaction rate, correction factors, molecular weight, understanding PPM, and risk based response. These high energy, fast paced demonstrations will leave you with a keen awareness of street smart chemistry of hazardous materials and how to apply physical and chemical properties to risk based emergency response.

AUDIENCE: Technicians
PRESENTER; Brian Ramsey
OFFERINGS; Saturday 8:00am – 9:30am, Saturday 10:00am – 11:30am, Saturday 3:00pm – 4:30pm, Sunday 8:00am – 9:30am

HazMat Problems in the Flood Environment
Hazardous materials are a consistent part of flood response, but are often overlooked by rescuers who must work in contaminated water. This session will cover common hazmat problems and their sources during floods. This session will include a description of storm and sanitary systems and how these can mix when overstressed during floods. The type of PPE used in flood response and simple on-scene decontamination practices will be discussed.

AUDIENCE: Operations
PRESENTER; Joseph Gribbins
OFFERINGS; Saturday 3:00pm – 4:30pm, Sunday 8:00am – 9:30am

HazMat Response: A Systematic Approach to Working the Incident
This presentation can assist a person with any level of experience as a hazardous materials technician to systematically run the incident. Organization is one of the key components for technicians because of the many areas that need to be covered. The presenter is the author of the field operations guide titled, “HazMat Response”, and will take participants through each team assigned on the incident and discuss their roles and responsibilities. Regardless of a departments SOP’s/SOG’s, each team assigned during the incident (IC, Research, Recon, Decon, Entry, etc) have benchmarks/guides that need to be addressed in their area. This program will review those roles and provide a guide to ensure they are completed properly.

AUDIENCE: This program is being offered twice. The ‘BASIC’ offering is meant for Operations and Command, the ‘ADVANCED’ offering is meant for Technicians.
PRESENTER; Jeffrey Zientek
OFFERINGS; Basic- Friday 1:00pm – 2:30pm, Advanced- Saturday 1:00pm – 4:30pm

HazMat Tech Role at Structural Collapse Incidents
A building collapse rescue is a dynamic scene that brings many disciplines together with the common goal of victim search and rescue. This session will focus on the functions a hazmat technician’s presence can enhance. It also will introduce to any hazmat worker, a different approach to adapt at a building collapse with rescue operations. This sort of scene is dramatically different from a “normal” hazmat call. This session will benefit anyone at a building collapse who might be told, “here...hold this meter”.

AUDIENCE; Operations
PRESENTER; Joseph Gribbins
OFFERINGS; Friday 1:00pm – 2:30pm, Saturday 1:00pm – 2:30pm
Hey Doc, is there an antidote for that?
This presentation will outline how to develop medical pre-plans and treatment priorities for known, high risk hazards for substances such as chlorine, ammonia, cyanide, hydrogen sulfide, radioisotopes, and others found in your community. Discussion topics will include a review of what treatments are lifesaving and which are not, methodologies for researching the unknown and subsequently identifying medical risk assessments and treatment priorities, appropriate care in the hot zone and essential steps to rapid removal and decontamination of the affected rescuer, ways to monitor the health and safety of the team, and techniques for managing infectious disease (ex. Ebola) or chemical suicide decedents.

AUDIENCE: Command, EMS
PRESENTER: Dr. Jeremy Cushman
OFFERINGS: Saturday 10:00am – 11:30am, Saturday 1:00pm – 2:30pm

Integration of EMS and HazMat Operations
This presentation is designed to bring to the table a diverse group of response personnel and stakeholders within the response community. A number of discussion points will be covered to stimulate conversation and perhaps a consideration of re-development of response and operational policies and procedures in regards to EMS integration into hazardous materials operations. Discussion topics will include a review of the history of EMS support for HazMat Teams, Certificate of Need issues, resource availability, underlying theory of EMS at hazardous materials incidents, and requirements for toxmedics.

AUDIENCE: Command, EMS
PRESENTER: Kenneth Peterson
OFFERINGS: Friday 1:00pm – 2:30pm, Friday 3:00pm – 4:30pm, Saturday 3:00pm – 4:30pm

Mad Libs of HazMat
In this unique and unorthodox presentation, the presenters will take you on a journey from the start of a fictional incident all the way to the termination. It will be lead you down the thought flowchart from the formulation of the plan, to implementation, and finally to solving (hopefully) the fictional incident. One instructor will leave the room and the remaining instructor will play a game of “Mad Libs” with the audience to create a scenario. Then the second instructor will be thrust into making decisions while explaining why they chose their move. We will discuss PPE selection, metering, and all other minor aspects of street chemistry that will lead to termination of the incident. Audience input will be welcomed and encouraged. The audience will also have various reference books to help the instructor in the hot seat, and come to a final answer.

AUDIENCE: All
PRESENTERS: Bobby Salvesen and Mike Monaco
OFFERINGS: Friday 3:00pm – 4:30pm, Saturday 8:00am – 9:30am, Sunday 8:00am – 9:30am

Natural Gas Incidents & The Fire Department
Natural gas incidents are one of the most common incidents that occur across the nation. Some departments do not get involved, some get minimally involved, and some work very closely on the incident with their local gas provider. This presentation discusses the issues seen at natural gas incidents, what a first-in company can do, what a hazardous materials unit can do, and what a department can do by teaming up with the local gas provider to increase awareness of the true hazard, help keep gas utility members and firefighters safe, work towards safe mitigation, and keep the public safe.

AUDIENCE: Operations, Command
PRESENTER: Jeffrey Zientek
OFFERINGS: Friday 3:00pm – 4:30pm, Sunday 8:00am – 9:30am
Oxidizers
Understanding the cause and effect of oxidizer reactions during hazmat incidents can be crucial to responder safety. This program will build a strong chemical understanding of oxidizers. Case studies will be presented to emphasize recognition of oxidizers and the ability to predict harm to responders. The program will help with developing SOG’s to take into account various types and strengths of oxidizers. It will give the foundational understanding to hazmat technicians to recognize oxidizers in hazmat situations, predict the harm, and anticipate potential outcomes.

AUDIENCE; Technician
PRESENTER; Mike Monaco
OFFERINGS; Saturday 1:00pm – 2:30pm, Saturday 3:00pm – 4:30pm

Preview of LNG for First Responders
LNG is no longer only found in large tanker ships and import/export storage tanks. You may find LNG fueling all types of ships, boats, ferries, trucks, buses, locomotives, and even construction equipment. These LNG fueled vehicles and vessels may also be transporting LNG. This program is designed to familiarize participants about this super cold liquefied gas. Topics covered will include a look at its properties, its benefits and its dangers. This is an abridged version of the 8 hour program offered as a pre-conference.

AUDIENCE; Operations, Command
PRESENTER; Thomas Guldner
OFFERINGS; Saturday 8:00am – 9:30am, Saturday 10:00am – 11:30am, Saturday 1:00pm – 2:30pm

Responding to Hydrofluoric Acid Emergencies
This program will cover emergency response to HF and other chemical emergencies. Incidents that have occurred around the globe, along with US Chemical Safety Board reports will be discussed. The presentation will review some industrial incidents at Corning Incorporated, as well. In depth information regarding handling HF incidents and medical treatment for victims will be discussed.

AUDIENCE; Technician, EMS
PRESENTER; Ben Hall
OFFERINGS; Friday 1:00pm – 2:30pm, Saturday 3:00pm – 4:30pm, Sunday 8:00am – 9:30am

Responding to Pressurized Container Emergencies
This program will describe pressurized container responses and provide an overview of how to respond to pressurized drums or other containers based on a number of technical publications. Included will be several videos of pressurized container incidents, commercially available equipment used to safely manage pressurized drum incidents, along with a few tricks learned in industry over the years. This program will include live demonstrations of remote bung opening equipment.

AUDIENCE; Technician
PRESENTER; Ben Hall
OFFERINGS; Saturday 8:00am – 9:30am, Saturday 10:00am – 11:30am
Taming The Tiger - Tactics and Tabletops, Response for Anhydrous Ammonia

Be ready and prepared to handle anhydrous ammonia incidents by attending this session which will review an emergency response guide card specifically generated for anhydrous ammonia. The guide card provides valuable quick reference information for ammonia incidents from size-up through response tactics, including live release footage. Short interactive tabletop scenarios will be worked through with team play, providing some fun and entertainment, but more importantly allowing for some practical application in dealing with the tiger when it gets out in real life incidents.

AUDIENCE: All
PRESENTER: David Binder
OFFERINGS: Friday 1:00pm – 4:30pm, Saturday 8:00am – 11:30am

Transfer of Fuels: From the Tank to the Drum

Fuel leaks or spills on the roadway are easily one of the most common responses that we encounter on a daily basis nationwide. We regularly have to deal with both civilian and member complacency when dealing with these fuels and their associated hazards. This presentation will discuss the various methods of addressing a scene, selecting PPE, selecting a method to move the fuel, where to put the fuel and various other chemical and physical properties that may need to be addressed in the selection of our strategy and tactics.

AUDIENCE: Operations
PRESENTER: Bobby Salvesen
OFFERING: Saturday 3:00pm – 4:30pm

Using Digital Media to Better Communicate with Your Members

One of the most common things heard in hazmat is, “I wish I had more time to learn hazmat,” or, “It’s too much to learn, I can’t read that much.” This presentation will show supervisors, managers, and training officers how to reach members with valuable information whenever the member is available to learn. In today’s world, people learn in various ways. Training is not necessarily tied to the traditional classroom setting anymore. This session will teach personnel how to leverage communication tools such as Podcasts and YouTube to increase availability of training tools to their membership. Topics will include using basic computer equipment to create video and audio content, available software to edit content, and steps to publish the content on an intranet/internet.

AUDIENCE: Command
PRESENTER: Bobby Salvesen
OFFERING: Saturday 1:00pm – 2:30pm

US DOT CBR Final Rule and 2016 ERG Update

The US DOT regulates the safe and secure transportation of hazardous materials in commerce and also publishes the Emergency Response Guidebook (ERG) for First Responders. Crude Oil by Rail has been on the rise with the increase in hydro-fracking production of the Bakken Shale Oil Fields in the mid-western states. These High-Hazard Flammable Train Units are transiting through New York State Railways. Learn about the US DOT Final Rule for Crude Oil by Rail and the soon to be published major rule “Hazardous Materials: Oil Spill Response Plans and Information Sharing for High-Hazard Flammable Trains” (HM-251B). The 2016 ERG updates and new changes will also be reviewed along with what Guide Pages apply to Crude Oil.

AUDIENCE: All
PRESENTER: Anthony Murray
OFFERINGS: Saturday 1:00pm – 2:30pm, Sunday 8:00am – 9:30am
Weather for HazMat and First Responders
Weather plays critical roles in every facet of jobs as first responders. Whether it’s our morning commute, our response times, the wear and tear from temperature extremes on our bodies and equipment, or the interaction with hazardous materials incidents, you can blame weather for quite a bit. Far too often, weather and basic atmospheric conditions are taught and understood at only a very basic level. Hazardous materials responders are in a unique position where weather, physics, chemistry, and bad situations blend together all too often. By increasing a hazmat responders understanding of weather and environmental factors, we can add “another tool to their toolbox” in order to make their operations safer and more effective. Attendees of this presentation will get a primer in pertinent weather terminology, how forecasts are made (and how they should be interpreted), what effects on hazardous materials can be expected based on different weather conditions, and learn about the effects of weather extremes on our bodies. A comprehensive list of resources and links will also be made available for all attendees allowing them to access the best forecast data, phone/tablet apps, and other educational information.

AUDIENCE: Operations, Command
PRESENTER: Bob Metcalfe
OFFERING: Sunday 8:00am – 9:30am

GENERAL SESSION

Utica Gasoline Tanker Rollover
On 12/06/2016, a gasoline tanker was involved in a rollover motor vehicle accident on the Route 8 and 12 Arterial at the Utica/New Hartford line. The tanker was leaking into a storm drain that discharged into Sauquoit Creek as a result of the accident, but the gasoline did not catch fire. It is estimated that less than 15 gallons of the 12,500 gallons onboard were lost into the creek. Nearly two dozen agencies were involved in the safe mitigation of this hazardous materials leak, including both public agencies and private contractors. This presentation will review the incident, including the roles and actions of each major responding agency, along with lessons learned.

AUDIENCE: All
PRESENTERS: Representatives from the Utica FD, Oneida County, OFPC, DEC, and DOT
OFFERING: Sunday 10:00am – 11:30am

Closing Remarks
Closing remarks for attendees to the 2017 NYS HazMat Seminar.

AUDIENCE: All
PRESENTER: Chief Jim Cable
OFFERING: Sunday 11:30am – 12:00pm

Exhibitors
The exhibitors area will be open Friday 04/28 from 12:00 until 17:30 and Saturday 04/29 from 08:00 until 17:30.

Banquet
A banquet dinner at the Fire Academy Friday night, which is a great opportunity to meet and greet fellow hazardous materials responders from across the state.
Personal Information

NAME (Last, First, MI) 

TRAINING IDENTIFICATION NUMBER 

HOME ADDRESS (Street, PO Box) 

CITY STATE ZIP 

☐ CHECK IF NEW ADDRESS ☐ MALE ☐ FEMALE 

DAYTIME PHONE EVENING PHONE 

FAX # E-MAIL ADDRESS 

Sponsoring Organization 

FIRE DEPARTMENT ID # COUNTY 

SPONSORING ORGANIZATION 

STREET ADDRESS, PO BOX 

CITY STATE ZIP 

FD PHONE# FD E-MAIL or FAX 

NAME/TITLE - HEAD OF THE SPONSORING AGENCY 

SIGNATURE - HEAD OF THE SPONSORING AGENCY Date 

☐ FIRE ACADEMY COURSE CODE # COURSE TITLE DATES: 

01-09-0036 Hazardous Materials Seminar April 28 - 30, 2017 

Course Registration -

NOTE: Payment MUST Accompany Registration

Registration Fee is MANDATORY AND NONREFUNDABLE

☐ NYS Resident - $25 ☐ Out-of State - $50

☐ Materials Fee (if applicable) payable upon arrival

See course description (may not include required text book)

☐ Prerequisite Proof (if applicable)

Must accompany registration

Academy Accommodations - payable upon arrival

☐ Resident – includes Meals & Lodging

☐ Commuter – includes breakfast & lunch

☐ Commuter dinner - $9/day (optional)

Registration, Material and Accommodations Fees:

Registration Fee (include w/registration) $_______

Materials Fee (if applicable – payable upon arrival) $_______

Accommodations Fee (payable upon arrival) $_______

Optional commuter dinner(s) $_______

Total enclosed: $_______

Balance due upon arrival: $_______

Reasonable accommodation request:

Share room with:______________________________

Payment Method

Make checks, money orders & vouchers payable to: Academy of Fire Science

☐ Check ☐ Money Order

☐ Signed Voucher ☐ Purchase Order

☐ Bill Meals & Lodging to Student ☐ Bill Meals & Lodging to Sponsoring Organization

☐ VISA ☐ MasterCard ☐ Discover Total Charge: $_______

Card #: ____________ ____________ ____________ ____________

Expiration Date ____________ Security Code ____________

Signature __________________________

Please review the application to make certain it is complete and the required payment and prerequisite proof are enclosed.

This form is on the web at www.dhses.ny.gov/ofpc ▪ MAIL OR FAX APPLICATION TO FIRE ACADEMY ONLY

NOTE: Due to participant demand, the deadline for all Academy course registrations is 20 days before the course start date. If your registration is not received by this deadline, we cannot guarantee placement in the requested course. Call the Academy for further information.
PRESENTER BIOGRAPHIES

Dan Baker OFPC
Dan was the Hazardous Materials Coordinator for Washington County before working in the Special Operations Branch of OFPC for ten years as a hazardous materials instructor and responder. His specialty area is highway emergencies, and he draws heavily on his previous experience in emergency services and the trucking industry. Promoted in May of last year, Dan is currently Deputy Chief of the OFPC Standards Unit.

Dr. Christina Baxter Combatting Terrorism Technical Support Office
Dr. Baxter is the Program Manager for the CBRNE subgroup at the Technical Support Working Group (TSWG), a program element within the DoD’s Combatting Terrorism Technical Support Office (CTTSO). The TSWG CBRNE subgroup works closely with the interagency user community from all levels of government and with various international partners to provide timely solutions in the areas of CBRNE attribution, protection, detection, consequence management and information resources. She is currently the chairperson of the NFPA Hazardous Materials Protective Clothing and Equipment Technical Committee and is a member of many others. She has over 20 years of fire and hazmat experience.

David B. Binder Tanner Industries
David Tanner is the Director of Quality, Safety & Regulatory Affairs for Tanner Industries Inc. in Southampton, PA. He leads the Ammonia Safety & Emergency Response Training program known as ASERT program. He has been in the ammonia industry and doing emergency response training and planning since 1992. David facilitates safety and emergency response training programs throughout the world for industry, fire departments, emergency response and emergency management personnel. He is very involved with and in leadership positions in various industry associations including the National Association of Chemical Distributors, World Food Logistics Organization, and the National TRANSCAER® Task Group. He is also a part of national standards associations such as the American Water Works Association and the Compressed Gas Association. David also chairs the Philadelphia LEPC.

Dr. Jeremy T Cushman, MD MS EMT-P University of Rochester Medical Center
With more than 20 years in Emergency Medical Services, Dr. Jeremy Cushman is an Associate Professor of Emergency Medicine and the Chief of the Division of Prehospital Medicine at the University of Rochester. A paramedic, emergency and EMS Physician, and Medical Director of fire, EMS, and law enforcement agencies in the Monroe County area, he routinely provides scene response and support to hazardous materials teams.

Ed Fletcher OFPC
Ed is a Fire Protection Specialist with the New York State Office of Fire Prevention and Control. He has been assigned to the Special Operations Branch since 2002 and is an instructor for the HazMat Technician and Specialist programs. Ed has been in the fire service since 1984 and started doing hazmat response and clean-up in 1993. Ed has an AOS degree in Fire Protection Technology and a BS degree in Ceramic Engineering. He is a Nationally Certified Fire Instructor II and a Nationally Certified HazMat Technician.

John Gabryelski and Rich O’Hara Olin Corporation
John and Rich work for Olin Corporation in Niagara Falls, NY. They have been hazardous materials responders for over 25 years. They are also the home coordinators for CHLOREP Sector 4 through the Chlorine Institute. They each have extensive knowledge regarding responses to chlor-alkali products.
Joseph Gribbins  *West Windsor Fire and Emergency Services*
Joe is a career Lieutenant with West Windsor Fire & Emergency Services in New Jersey. He is also a member of NJ Task Force 1, a type 1 USAR team. Joe is a Hazmat Specialist and one of the Flood Rescue Managers on the team.

Thomas Guldner  *FDNY (ret.)*
After retiring from the FDNY as a lieutenant with 33 years of experience in structural and marine firefighting, he has been training first responders in Florida on dealing with LNG transportation fires and emergencies. He is a certified fire instructor and acted as the FDNY Marine Division Training office and as the Office-in-Charge of a fire boat. He held a USCG license as a Ships Master and has been training firefighters and mariners in all aspects of marine firefighting and LNG for the past 17 years. He is a principal member of the NFPA technical committee on merchant vessels.

Benjamin Hall  *Corning Research and Development Corporation*
Ben works as the Lead Engineer at Corning Research and Development Corporation’s Thin Films & Surfaces Research and Development Lab. There, he is the Captain of the Sullivan Park HazMat Emergency Response Team. He is also an active member of Tri-county Chemical Hazard Information Team and a volunteer Firefighter/EMT with the Hornby Volunteer Fire Department. Ben is an Advanced HazMat Technician with 18 years of experience working with highly hazardous process materials in R&D and another 25 years of industrial experience. Ben is an advisory member of the R&D process hazard review board and Hydrogen Fluoride/Hydrofluoric Acid Users Group (safety program) and is considered a subject matter expert on HF processing, safety and emergency response.

Landen Hawkins  *US Postal Inspection Service*
Landen was appointed as a Postal Inspector in 2012 where he has investigated mail theft, identity theft, illegal narcotics, and dangerous mail cases.

Bob Metcalfe  *St. Paul Blvd FD*
Bob is a career firefighter at the St. Paul Blvd Fire District in Rochester, NY. Before his career in the fire service, he attended SUNY Oswego and obtained a degree in meteorology, leading to a five-year stint as an on-air broadcast meteorologist. Despite surviving and escaping the cruel TV world for the best job on the planet, he still has the “weather bug” and enjoys continuing to learn about the weather and help educate those who will listen.

Mike Monaco  *FDNY*
Mike joined the fire service in 1998 as a volunteer firefighter. He enrolled in the State University of New York at Stonybrook, graduating with a BS in Neurological Physiology (study of the Nervous system). He later became a career firefighter as well as an ALS (Advanced life support) provider in 2002. In 2004, he joined HazMat Company 1 and became a Hazardous Materials Technician. He started teaching in 2008 and in 2012 he became a local instructor with the International Association of Firefighters. In 2013, he was made a Master Instructor with the IAFF and has since taught in various jurisdictions. Mike has also taught private classes as well as industry based hazmat.

Anthony Murray  *US DOT*
Tony joined the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration in August of 2000. 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.
Kenneth Peterson  *Erie County*
Currently the ALS Systems Coordinator for Erie County, he has been an EMT since 1995, a Paramedic since 2006, and has worked in both volunteer and career capacities within emergency services since 1993. One of his passions is hazardous materials response and the integration of EMS operations to support and create a self-sufficient Hazardous Materials Response Team during times of disaster.

Brian Ramsey  *Industrial Response SME*
Brian has over 25 years of emergency response experience in industrial, municipal, and emergency response contracting roles. In addition to providing emergency response chemistry/hazardous materials training, he currently works as an emergency response manager in the chemical industry and part-time high hazard emergency response specialist for HEPACO Inc. He is an IFSAC Journeyman Firefighter, Emergency Medical Technician, Hazardous Materials Specialist, and Emergency Response Transportation Specialist. He has been providing hazardous materials training to various emergency responders for over 15 years.

Bobby Salvesen  *FDNY*
Having served 19 years as a member of FDNY, he is currently assigned as a HazMat Specialist for HazMat Company 1. He is also an Ex-Chief of the East Meadow Volunteer Fire Department, currently serving as a Training Officer. He is Co-Host of “The HazMat Guys Podcast” and “The HazMat Guys Nation Roundtable”, which can be found at www.thehazmatguys.com. Bobby has also served for 10 years as an instructor with the Nassau County Fire Service Academy and was just recently hired as a part-time state fire instructor.

Dave Sayles  *OFPC*
Dave works for the Office of Fire Prevention and Control, having served 4 years as an Adjunct Instructor prior to becoming a Fire Protection Specialist in 2000. For the last 17 years, he worked in the Special Operations Branch but recently transferred to the Fire Operations and Training Branch. Dave has served for over twenty-eight years in the fire service, both as a career firefighter and as a volunteer. He currently serves as a life member of the Cincinnatus Volunteer Fire Department. As an instructor, Dave’s background began in the US Military where he taught advanced chemical and biological courses. Since leaving the military Dave has taught for a host of organizations including the Department of Defense, National Fire Academy, State Office of Emergency Management, and more.

Troy Scarrow  *Midland Manufacturing*
Troy has been with Midland Manufacturing for the past 4 years as a Regional Sales Manager for Canada and trainer for the Midland ERK capping kit. He brings a breadth of knowledge from the railway industry as he has 20 years of experience in various roles, including: Railcar Repair Carman, Conductor, Operations Manager, and Commercial Sales for refined products.

Jeffrey Zientek  *Phoenix FD*
Jeff is a certified Technical Rescue Technician, Hazardous Materials Technician, and Helicopter Rescue Crew Chief. When not responding and working special operations incidents, his responsibilities include evaluation, purchasing and inventory of all the hazardous materials equipment used by the 6 Phoenix Hazardous Materials Teams. Jeff is a 30-year veteran Fire Captain with the Phoenix Fire Department. He is the responding Safety Officer and responds to all hazardous materials and technical rescue incidents as well as any greater alarm fires. He responds not only in Phoenix, but the surrounding 27 fire departments in the Phoenix automatic aid system, which covers approximately 2000 square miles.