16. Teaching Scenario Based Haz-Mat Training

This 7 hour course will utilize a combination of teaching techniques designed and intended to give the student an understanding of how to develop and use simple to complex "Risk Based Response" scenarios to teach and/or reinforce mission critical thinking needed when dealing with emergencies involving hazardous materials. Students will work in groups on various scenarios and will be challenged to work at their certification level - from Awareness to Incident Commander - as part of a broader response group. Each student will receive valuable resources (2024 ERG, NIOSH Guide to Chemical Hazards, Haz Mat Glossary, etc.) that they can take back to their departments for use in setting up and delivering drills, exercises, and other programs. This course meets the requirements of OSHA 1910.120(q)(7) for Instructors who wish to teach hazardous materials.

Instructor

Tom Miller is a 38-year veteran of the West Virginia fire service. He is a Pro-Board-certified Firefighter II, Fire Instructor III and as a Hazardous Materials Technician & Incident Commander, as well as State certified to the Technician Level in various aspects of Technical Rescue including Vehicle, Machinery, Rope, Swiftwater, and Confined Space. He has been an Adjunct Instructor with West Virginia University Fire Service Extension since 1990 and has written numerous courses on specialized topics on hazardous materials and emergency response and delivered them across the country. Tom has been published in trade publications including Firehouse and Fire Engineering magazines. He is the West Virginia Director to the NVFC and serves as the Chair of its Hazardous Materials Response Committee and its Pandemic Response Task Group, as well as serving as an SME on the various Technical Committees and with COVID-TAC, NFPA, PHMSA, the U.S. D.O.T., the National Security Council, and the D.O.D. Tom also serves on the NVFC Homeland Security; Standards & Codes; and Health, Safety & Training committees. He is a Principal on the NFPA 470 (formerly 472/473/475/1072) Technical Committee and served on the Joint 1001/472 Task Group. Tom has a Bachelor of Science degree from West Virginia State University and a Master of Arts degree from the School of Education and Professional Studies at Marshall University.